

MONTHLY NEWSLETTER

AUGUST 2012

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UNIVERSAL SERVICE - MODIFICATION AND REPUBLICATION

By determination dated 5 July, the Autoridade Nacional de Comunicações (ANACOM) approved modification and republication of the 23 March determination on the conditions and specifications of each of the provisions constituting

universal service in the scope of the process of designating provider(s) of universal electronic communications service, with respect to the specification of the public payphones offer (second paragraph of point 3.12). (+)

REVISION OF PTC CAPITAL COST RATE CALCULATION

ANACOM approved on 12 July the draft final decision to notify to the European Commission (EC), the Body of European Regulators for Electronic Communications (BEREC) and the national regulatory authorities of the other European Union (EU) member states, concerning revision of calculation of the capital cost rate of PT Comunicações (PTC) applicable to financial year 2011. (+)

REGULATION COSTS FOR 2012 RATES

By determination dated 19 July ANACOM approved the calculation of the cost of regulating the activity of supplier of publicly accessible electronic communications networks and services - the amount of 29,440,460 euros - pursuant to Administrative Rule no. 1473-B/2008 of 17 December, with the reading given by Administrative Rule no. 291-A/2011 of 4

November, and of the Electronic Communications Law (ECL). This Authority likewise decided to contract the provision of audit services for the electronic communications network and service suppliers who in 2011 presented significant profits and variations (over calendar year 2010) of more substantial amounts. (+)

UNIVERSAL POSTAL SERVICE QUALITY CONVENTION

ANACOM decided on 5 July to grant the request submitted by CTT-Correios de Portugal (Portuguese postal service) to deduct the records of normal and priority mail expedition directly affected by the 22 March 2012 general strike, for the purpose of calculating quality of service indicators (QSI) as set out in the

10 July 2008 Universal Postal Service Quality Convention. This deduction affects the following expedition modes: normal mail sent from 19 through 22 March in all national flows; priority mail sent on 21 and 22 March in mainland flows; priority mail sent from 20 through 22 March in MAM (mainland, Azores and Madeira) flows. (+)

DTT - DEADLINE FOR REQUESTING SUBSIDIES IS 31 DECEMBER

Beneficiaries of subsidy programmes have been given four more months, until 31 December, to submit applications to PT Comunicações (PTC).

Beneficiaries of welfare insertion income, retirees or pensioners with a monthly income of up to 500 euros, people with disabilities equal to or above 60 percent and institutions of proven social worth can apply for a subsidy of up to 50 percent in the purchase of DTT or satellite (DTH) decoders, with a maximum of 22 euros. Citizens aged 65 or older, retirees or pensioners with a monthly income of less than 500 euros can apply for a subsidy of 61 euros to realign or install a new antenna (for DTT or satellite reception). (+)

COMMUNICATIONS

NEWS

ADMINISTRATIVE OFFENCE CASE

The Autoridade Nacional de Comunicações (ANACOM) filed on 23 March an administrative offence case against ABASTFROTA - Transportes due that company's failure to submit information about the exercise of its activity, namely the amount of profits and statistics on activity carried out in the third quarter of 2008 and up to 30 October 2008.

TITLES ISSUED BY ANACOM

On 16 July ANACOM issued to Banco BNP – Paribas Personal Finance a registration for the provision of value added services (VAS) based on message sending. (+)

By order dated 10 July ANACOM issued a declaration allowing ONITELECOM – Infocomunicações to offer wireless-lan network, leased line, internet access, data transmission, voice over internet (VoIP) and virtual private network (VPN) services. (+) On 6 July a declaration was issued which allows the company Skylogic to offer public electronic communications network service and satellite broadband internet access service. (+)

ANACOM PUBLIC SPEECHES

A presentation by ANACOM management board member Helder Vasconcelos is now available. It concerned "The Importance of Economic Studies for Regulatory Bodies" and was given on 13 July at the Lisbon conference on "The New Legal System for Competition" promoted by the Competition Authority (AdC) in partnership with the Católica Global School of Law. (+)

CO-OPERATION WITH THE ATTORNEY-GENERAL OF THE REPUBLIC

To achieve more effectiveness in the fight against cybercrime and the obtaining of digital proof, a co-operation protocol was signed on 9 July by the Attorney-General of the Republic and electronic communications operators (Optimus, PT Comunicações, TMN, Vodafone and ZON), framed in the functional co-operation between operators and the Pubic Prosecution Service. (+)

MORE USABLE COMPLAINTS FORM

The complaints form provided on the ANACOM website and its Consumer Portal has new functions, namely selection via a set of suggestions from real users of this electronic service. (+)

COM.ESCOLHA RECORDS OVER 10,000 VISITS

In the second quarter 'COM.escolha' (*escholha* = choose) recorded 10,012 visits from 7,567 users. Some 54,175 pages were visited, for an average of 5.41 pages per visit. The average time spent per visitor was 5 minutes and 3 seconds, with a repeat user rate of 29.12 percent. Of total accesses, 70.88 percent originated from new users. (+)

ANACOM WEBSITE COUNTS MORE THAN 500,000 VISITS

In the first half-year the ANACOM website recorded 515,826 visits from 357,816 users.

Some 1,807,240 pages were visited, for an average of 3.50 pages per visit. The average time spent by each person was 2 minutes and 48 seconds. Statistical figures also show that the repeat user rate was 34.90 percent, with 65.10 percent of accesses originated by new users. (+)

2011 ANNUAL REPORT AND ACCOUNTS

The ANACOM Annual Report and Accounts for 2011 are now available, after being drawn up and approved per the statutory terms. This annual publication specifically contains information on human resources, assets and investment, along with economic and financial analysis with reference to financial year 2011. (+)

2011 REGULATION REPORT

The Report on Regulation, Supervision and Other Activities of this Authority with reference to 2011 is now available. ANACOM's regulation and supervision activities are an integral part of the report, in compliance with the obligations set out in its statutes. The report comprises five large chapters: context, regulation, supervision, other activities and final considerations. The chapters concerning regulation, supervision and other activities are developed in detail, following the major strategy goals determined in the 2011-2013 Strategy Plan. (+)

18TH MEETING OF THE ANACOM ADVISORY COUNCIL

The ANACOM Advisory Council held its 18th meeting last 25 July, chaired by Álvaro Dâmaso. The session approved the (nonbinding) opinion on the 2011 Report on Regulation, Supervision and Other Activities. (+)

HOUSEHOLDS CABLED WITH FIBRE OPTICS (FTTH/B)

	1T12		2T12			
NUTSII	No. of Cabled Households (FTTH/B)	Cabled Households (FTTH/B) per 100 households	No. of Cabled Households (FTTH/B)	Cabled Households (FTTH/B) per 100 households	Var. 2T12/1T12	Var. 2T12/2T11
NORTE	592	31,7	620	33,2	4,7%	34,4%
CENTRO	164	11,6	173	12,2	5,3%	60,0%
LISBOA	1228	86,3	1249	87,7	1,7%	16,5%
ALENTEJO	13	2,7	13	2,8	4,0%	445,9%
ALGARVE	45	12,9	50	14,2	10,5%	77,6%
RAA	4	4,0	4	4,0	1,1%	7,9%
RAM	23	18,6	23	18,9	1,7%	49,3%
TOTAL	2069	36,0	2132	37,1	3,0%	26,1%

Unit: Thousands of Households, %

Note: The offer of the service by more than one operator in the same region means that a given household may have multiple cabling. The sum of the households cabled by all the operators may therefore result in double counting. This double accounting effect is estimated to be 26.9 percent at most in the case of FTTH/B.

MOBILE SERVICES - NEW STATISTICAL INDICATORS

The Autoridade Nacional de Comunicações decided last 5 July to extend by 10 working days the deadline for stakeholders to submit comments about the draft decision concerning new statistical indicators for mobile services (M2M machine-tomachine and broadband), which the service operators must send to this Authority each quarter. (+)

CREATION OF UNIVERSAL SERVICE COMPENSATION FUND

Decree no. 80/XII of Parliament has been published. It establishes the compensation fund for universal electronic

communications service meant to finance the net costs derived from the provision of universal service.

CHANGES TO THE LLRO AND RELLO

By determination dated 19 July ANACOM decided to extend by five working days the deadline for PT Comunicações to submit information regarding changes in the leased lines reference offer (LLRO) and the reference Ethernet leased lines offer (RELLO) as set out in the determination dated 14 June 2012. (+)

NEWLY ENACTED LEGISLATION

Administrative Rule no. 218/2012 (Series I – *Diário da República* of 19 July) – Proceeds to deliver to state coffers the revenue from the auction to allocate frequency usage rights in the 450, 800, 900 and 1800 MHz bands and the 2.1 and 2.6 GHz bands.

Council of Ministers Resolution no. 66/2012 (Series I – D.R. of 6 August) – Modifies Council of Ministers Resolution no. 50/ 2012 of 22 May, which approves contracting the provision of universal electronic communications service, sets out terms of the respective tender procedures and authorises the inherent expense.

Law no. 35 of 2012, of 23 August – Proceeds to establish the compensation fund for universal electronic communications service envisaged in the Electronic Communications Law and meant to finance net costs derived from the provision of universal service.

ANACOM DETERMINATIONS – SUMMARY OF 2ND QUARTER 2012

DATE	DETERMINATION		
28.06.12	New mobile service statistical indicators: machine-to-machine and broadband (+)		
28.06.12	Statistical indicators for postal services (+)		
18.06.12	Public tender to revise and audit the cost accounting system of PTC and to audit the estimated net costs of		
	universal service (+)		
14.06.12	Changes to the leased lines reference offer (LLRO) and the reference Ethernet leased lines offer (RELLO)		
	approved (+)		
25.05.12	Registration of Mobile Brands to provide value added services (+)		
25.05.12	Declaration to Maritime Communications Partner AS to offer mobile communications service on board vessels (+)		
25.05.12	Declaration to IDT Retail Europe to offer virtual calling card service (+)		
18.05.12	DTT - temporary network licensing (+)		
17.05.12	Transfer of frequency usage right from the Centro de Inspeção Periódica de Veículos Automóveis Castanheirense		
170510	(CIPO) to Fercober- Madeiras e Materiais de Construção (+)		
17.05.12 17.05.12	Filing of administrative offence cases against audiotext providers (+) Final decision to suspend use of access indicators to audiotext services (+)		
17.05.12	Regularisation of service provided by PTC via the '1820' resource (+)		
17.05.12	Filing of administrative offence case for verified non-compliances in use of the number 1820 by PTC (+)		
17.05.12	Decision concerning renewal of frequency usage rights allocated to Optimus in the 900 and 1800 MHz frequency		
17.05.12	bands (+)		
17.05.12	Consultation on modification of the regulation on settling and coverage of fees owed to ANACOM (+)		
11.05.12	Cancellation of the licence of MEEST PORTUGAL, Unipessoal to provide postal services (+)		
11.05.12	Draft decision on revision of calculation of PTC capital cost rate applicable to 2011 - consultation (+)		
11.05.12	Cancellation of licence of CELERIS to provide postal services (+)		
10.05.12	Use of SAP/SAB (services ancillary to programme-making/broadcasting) applications in the 470-862 MHz band (+)		
07.05.12	Declaration to Ar Telecom – Acessos e Redes de Telecomunicações (Ar Telecom) for the offer of public electronic communications network service (+)		
07.05.12	Declaration to the Concourse Communications Group Uk for the offer of public electronic communications network		
07.05.12	service (+)		
04.05.12	Implementation of European Commission (EC) decisions (+)		
04.05.12	Transmission of frequency usage rights for numbers held by Ar Telecom (+)		
30.04.12	Approval of modification of the Portability Specification (+)		
30.04.12	Changes to the LRRO and RELLO - EC notification (+)		
30.04.12	Termination prices in mobile networks (+)		
27.04.12	Administrative costs and amount of fees covered in 2011 for electronic communications (+)		
27.04.12	Public tender to audit the estimated net costs of universal service provision submitted by PTC (financial years 2007 to 2009) (+)		
05.04.12	Decision settling a cross-border dispute between European Directory Assistance (EDA) and Ar Telecom regarding		
05.04.12	telephone directories (+)		
05.04.12	Decision settling a cross-border dispute between EDA and ZON regarding telephone directories (+)		
05.04.12	Decision settling a cross-border dispute between EDA and Cabovisão regarding telephone directories (+)		
05.04.12	Decision settling a cross-border dispute between EDA and Optimus regarding telephone directories (+)		
03.04.12	Delegation of powers from the management board to its members - redistribution of portfolios (+)		
02.04.12	Annotation to authorisation to provide postal services of Byalyk SERVICE, UNIPESSOAL (+)		
02.04.12	Declaration to LIVIN, Consultoria e Serviços top offer electronic communications services (+)		

COMMUNICATIONS AROUND THE WORLD

CYBER-CRIME IN THE EUROPEAN UNION (EU)

The European Commission (EC) released last 7 July a Eurobarometer cyber-crime report based on a survey of European Union (EU) internet users.

The survey was carried out from 10 to 25 March and involved about 27,000 people from all EU member states. It revealed that there is a close relationship between being informed about the risks of cyber-crime and feeling safe online. Most users who were not afraid of conducting bank operations or purchases online also felt they were informed about cybercrime.

With a growing number of people exploiting internet potentials and benefiting from the digital economy, the security of personal data and online payments has become one of users' main concerns. (+)

CHILDREN SAFE ONLINE - EC REPORT

In the scope of EU Kids Online III, backed by the European Commission's Safer Internet programme, a newly released report examines industries' strategies to protect young internet users against online risks. The report is based on interviews of 25,000 children and parents in 25 European countries and reveals that online reporting tools are not working. One of every five children and youths has had contact with potentially dangerous content, such as websites that promote anorexia or teach suicide techniques. Portuguese parents are the most concerned about internet risks. Portugal stands out as being the European country where more parents express concerns about two online risks: 65 percent about contacts with strangers and 61 percent about problematic content. (+)

EC LAUNCHES TRAVELLER AID PORTAL

The European Commission (EC) via its Directorate-General for Health and Consumers set up a portal with essential advice for travellers heading to London for the 2012 Olympic and Paralympic Games. The webpage offered advice about the best way to plan for the trip and avoid problems. Information was also provided about housing, purchases and online connections to services to help resolve problems. (+)

FINANCING OF STRATEGIC INFRASTRUCTURES

The European Union's Economic and Financial Affairs Council (Ecofin) approved last 10 July the regulation enabling the pilot phase of the plan to finance the Project Bonds Initiative (2012-

2013) to begin. The aim is to mobilise private investment for EU strategic infrastructures in the sectors of transports, energy and information and communication technologies (ICTs).

Of the 230 million euros reserved for the pilot phase of that plan, 20 million will be earmarked for ICT and broadband infrastructures. (+)

SECURITY AND NET NEUTRALITY - EC CONSULTATIONS

Two public consultations launched by the European Commission are under way until 15 October in the scope of Digital Agenda development: one on the legislative initiative concerning network and information security (NIS) and another on net neutrality.

The first consultation aims to gather and compile specific information associated to the occurrence of computer-related security incidents in Europe, in order to strengthen the new legislative proposal on cyber-security.

The second aims to find answers to specific queries regarding transparency, switching and certain traffic management aspects, key questions for net neutrality. (+)

PUBLIC SPEECHES BY NEELIE KROES

The most recent public speeches by Commissioner Neelie Kroes have been posted, of which the following stand out: "Opening EU-funded Research to All", at the press conference on "Open Access to Scientific Information" (Brussels, 17 July); "Enhancing the Broadband Investment Environment", at the Midday Briefing (Brussels, 12 July); "Europe Embracing Change: looking ahead to future and emerging technology flagships", at the FET Flagships Pilots Final conference (Brussels, 9 July). (+)

BEREC OPINION (PROPOSAL FROM THE CZECH REPUBLIC)

The Body of European Regulators for Electronic Communications (BEREC) published last 11 June an opinion concerning the European Commission's notification of the Czech Republic pursuant to article 7 of the Framework Directive. This notification was issued in the scope of serious EC doubts about the proposal submitted by the Czech Regulator (Czech Telecommunication Office - CTU) to revise the wholesale market for broadband access (market 5) and opened an investigation of phase II, submitting for debate the draft amendment of the regulation in accordance with the procedure set out in the Framework Directive. (+)

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 International Telecommunication Union (ITU), the European Union (EU), the International Telecommunications Satellite Organisation (ITSO), the Body of European Regulators for Electronic Communications (BEREC) and the European Regulators Group for Postal Services (ERGP).

CEPT

In the scope of work of the Electronic Communications Committee (ECC), the following meetings were held:

- 14^{th} meeting of project team 43 (PT43) of the working group on Spectrum Engineering (WG SE), on 3-5 July in Utrecht; (+)

- 55th meeting of the Short Range Devices/Maintenance Group (SRD/MG), on 27-29 June in Mainz. (+)

ITU

In the scope of the ITU, the following meetings were held in Geneva:

- 4-13 July meeting of the Council, the body responsible for managing the organisation between Plenipotentiary Conferences; (+) - 2-4 July meeting of the Telecommunications Standardisation Advisory Group (TSAG). (+)

EU

Brussels hosted on 2 July a meeting of the Expert Group on Electronic Commerce. (+)

ITSO

The 35th Assembly of Parties was held on 3-6 July in Kampala. (+)

BEREC

In the scope of BEREC's work, the following meetings were held in Brussels:

- meetings of the drafting group of the expert working group on Next Generation Networks (EWG-NGN), on 4 and 10 July; (+)

meeting of the drafting group of EWG Remedies, on 4 July; (+)
meeting of the project team on Termination Rates (PT TR), on 6 July; (+)

- meeting of the EWG chairs with the head of BEREC, on 5 July; (+)

- meetings between the EWG on End Users and the European Disability Forum (EDF) and between the same EWG and the Mobile Manufacturers Forum (MMF), on 5 July. (+)

ERGP

The German city of Bonn hosted on 11 July a meeting of the Access Regulation subgroup. (+)

HIRING IN THE ITU

The International Telecommunication Union (ITU), a specialised United Nations agency based in Geneva, Switzerland, is accepting applications for the following vacant positions: - SAP CRM Project Manager - until 1 October; (+)

- Senior Adviser, Regional Office Cairo until 8 October; (+)
- Senior Adviser, Regional Office Addis Ababa until 8 October; (+)

- Programme Coordinator Regional Office Cairo - until 8 October. (+)

security and indicates potential obstacles to the development

of a European cyber-security market. It presents four

recommendations meant to deal with the issues identified. (+)

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ENISA REPORT ON CYBER-SECURITY

The European Network and Information Security Agency (ENISA) has published a report on "Incentives and Barriers of the Cyber Insurance Market in Europe", which defines and justifies cyber-

ITU PROMOTES WORKSHOP

The Cape Verdean capital Praia hosted last 4-8 June an International Telecommunication Union (ITU) workshop on

"Net Neutrality: regulation and business models". (+)

EMERG WORKSHOP "INTERNATIONAL ROAMING"

A Euro-Mediterranean Regulators Group (EMERG) workshop on "International Roaming" was held last 11-12 July in Berlin, promoted by the German sector regulator (BNetzA). (+)

NEWS FROM OTHER COUNTRIES

GERMANY - Bundesnetzagentur (BNetzA)

• The regulator took part in the opening ceremony of the 2012 London Olympic Games, providing eight BNetzA monitoring service and inspection personnel to help Ofcom carry out those duties. (+)

• The regulator aims to withdraw the provisional prohibition it imposed in early April on Telekom Deutschland (Telekom) concerning the new price model (known as the 'contingent model') for commercialisation of the broadband VDSL high speed line to competitors. (+)

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

• On 6 July the regulator launched a consultation on two draft decrees-law associated to the social component of universal service. (+)

BRAZIL - Agência Nacional de Telecomunicações (ANATEL)

• ANATEL ruled that the fixed telephony concessionaire Telefónica should take preventive steps to lower by 40 percent the number of service interruptions in São Paulo state, bearing in mind the number of failures verified in the last 12 months. This decision was adopted due to the increasing number of interruptions in recent years. (+)

• On 29 July the regulator implemented the '9' digit in area 11 mobile accesses (covering the capital of São Paulo state and 63 municipalities). It should be added to the left of the current numbers, which henceforth have the following format: 9xxxx-xxxx. (+)

SPAIN - Comisión del Mercado de las Telecomunicaciones (CMT)

• The CMT has decided to provisionally establish prices for indirect broadband access over Telefónica's copperwire and fibre optic networks. It also decided to modify the local loop access price as a precautionary measure. (+)

USA - Federal Communications Commission (FCC)

• The regulator has launched a public consultation on access to communication technologies by citizens with special needs, with a view to drawing up the biennial report envisaged in the "21st Century Communications and Video Accessibility Act (CVAA)" of 2010, which also indicates that measures should be taken to ensure that those citizens have access to emergent 21st century technologies. (+)

• On 19 July the FCC held a conference on latest advances in next generation networks (NGNs) and presented a report on the use of white spaces to free spectrum for mobile broadband, as well as the annual report on broadband performance. (+)

• The study on "Measuring Broadband America" was released in July. It includes latest results from the FCC's "Measuring Broadband America Program", showing national broadband performance in more than 80 percent of the residential market. (+)

FINLAND - Finnish Communications Regulatory Authority (FICORA)

• The Finnish Parliament approved last 20 June legislation to implement a new financing model for public broadcasting activities which means the end of FICORA's current responsibilities in that area, starting in 2013 and namely regarding the collection of television fees. (+)

• The Finnish Supreme Administrative Court has rejected the TeliaSonora operator's appeal of the regulator's decision that obliges the operator to offer 1 Mbit internet access service as universal service. (+)

• The regulator's annual report on voice telecommunication, message and data transfer services in fixed and mobile networks showed that they continue to fall. This drop began in 2007, when the price level fell by nearly a fifth and continued in 2011 when it fell almost 10 percent compared to the previous year. (+)

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

• The regulator has published the conclusion of the "Electronic Communications Market Observatory" concerning the first quarter of 2012, which shows a slight fall in turnover in the fixed and mobile service market. (+)

• ARCEP has launched a public consultation concerning its draft decision on controlling the prices of mobile voice call termination abroad. (+)

IRELAND - Commission for Communications Regulation (ComReg)

• The regulator has launched a public consultation on price control in fixed and mobile network call termination, framed in the question of wholesale termination prices practiced in interconnection which are above efficient cost. (+)

UNITED KINGDOM - Office of Communications (Ofcom)

• The regulator published last 5 July a consultation on the financial model applicable to price formation, more specifically proposals for a new leased line service price control framework. (+)

• Ofcom published on 24 July decisions concerning the auction of fourth generation (4G) spectrum licences, including steps to boost competition and increase next generation mobile broadband coverage in the United Kingdom. (+)

USE OF RADIOCOMMUNICATION STATIONS

As there were requests for information about the legitimate use of certain equipment, namely radio scanners (radiocommunication stations that solely receive), without the respective radio licence, the Autoridade Nacional de Comunicações (ANACOM) considered it should publicly explain the sector's legal framework governing the use of such stations, facilitating access to that information by all users. (+)

MODIFICATION OF FEE REGULATION - FINAL DECISION

ANACOM approved by determination dated 2 August modification of the regulation governing the settling and collection of fees owed to this Authority, with the aim of adjusting it to legal changes that have meanwhile occurred and to improve its efficiency and effectiveness. (+)

NATIONAL CUSTOMER SATISFACTION INDEX - 2011

The results of ECSI Portugal 2011, National Customer Satisfaction Index, have been posted. The part of the ECSI concerning the communications sector, sponsored by ANACOM, covers fixed telephone service (FTS), mobile telephone service (MTS), subscription TV, internet access service and postal services. The ECSI ranking of sectors in 2011 ranks the communications sector fourth, with 7.44 points on a 1-10 scale, among the nine sectors examined (the others are banking, insurance, fuels, natural and bottled gas, public passenger transport, electricity and public water supply), two positions higher than the previous year. (+)

ANACOM LAUNCHES TENDER FOR DIRECT INSURANCE ACQUISITION

Announcement of the public tender for direct acquisition of insurance was published on 24 July in series 2 of the official gazette (*Diário da República*). ANACOM had approved its launch

by determination dated 19 July.

Interested parties are asked to submit bids by 4 p.m. on 3 September 2012 via the electronic platform www.compraspublicas.com. (+)

PROPOSED CINEMA LAW

In a final comprehensive vote last 25 July Parliament approved the new Cinema Law, which sets out principles for state action regarding the promotion, development and protection of the art of cinema and cinema and audiovisual activities. The law envisages expansion and diversification of support and financing, with more audiovisual sector participation in direct and indirect investment, strengthened by subscription TV operators and audiovisual service operators, where the telecoms sector is included.

6th CONGRESS OF PORTUGUESE COMMITTEE OF URSI

16 November 2012, Lisbon

Electromagnetic

wave applications:

from energy efficiency

to bioengineering

ANACOM-URSI PORTUGAL PRIZE

The Portuguese Committee of URSI, sponsored by ANACOM, will award a prize for the best research work in bioengineering developed by a portuguese author. Papers must be submitted until **30 September 2012**. The prize of \in 5.000,00 will be delivered during the 6th Congress. Regulation only available in portuguese.

CALL FOR PAPERS

We invite all the interested parties to submit, until **30 September 2012**, scientific papers on "Electromagnetic wave applications: from energy efficiency to bioengineering" or any scientific theme of the Congress. The selected papers will be presented at the 6th Congress of Portuguese Committee of URSI, that will take place on 16 November 2012, in Lisbon.

More informations at www.anacom.pt

ANACOM : ALTORIDADE MACIONAL DE COMUNICAÇÕES





SPECTRU

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