

european communications office



OUR MISSION

The European Communications Office (ECO) is the permanent office of the European Conference of Postal and Telecommunications Administrations (CEPT), an organisation where policy makers and regulators from 48 countries across Europe collaborate to harmonise telecommunication, radio spectrum and postal regulations.

The ECO provides advice and support to CEPT to help it to develop and deliver its policies and decisions in an effective and transparent way. Its core duties are to provide a European centre of expertise in electronic communications, to contribute to the work of the three CEPT committees and to manage CEPT's day-to-day activities.

The ECO further supports CEPT member countries and other stakeholders by providing a forum to debate and advance European communications policy for the benefit of all Europe's citizens.



CONTENTS

SECTION 1: OVERVIEW

INTRODUCTION

- 4 Countries participating in the ECO Council
- 6 Chairman's Foreword
- Director's Statement 7
- 8 2012 in Brief
- 10 The ECO: our role, our team
- 12 Supporting CEPT

SUMMARY OF SPECIALIST SERVICES

- 14 General (Chairmanships, consultations, questionnaires, facilities for collaborative working)
- Cognitive radio, Numbering and Networks)

SECTION 2: REVIEW OF THE YEAR

MEETING THE OBJECTIVES OF THE ECC STRATEGIC PLAN

- 21 Developing the ECO Frequency Information System (EFIS)
- 22 Improving the ECC's communications
- 23 Supporting the ECC in developing closer business relationships
- 30 Organising key events

MANAGING OUR OPERATIONAL SERVICES

- 32 Supporting the CEPT Presidency
- 32 Supporting Com-ITU
- 33 Managing CEPT's family of websites
- 33 Developing new electronic working arrangements
- 34 Extending the use of the new CEPT Forum
- 34 Enhancing the quality of the SEAMCAT spectrum analysis tool
- 36 Managing the ECO Documentation Database (ECODOCDB)
- 36 Gaining consensus through public consultations
- 36 Providing a forum for debate
- 37 Improving ECC deliverables through questionnaires

SECTION 3: GOVERNANCE

- 38 STRUCTURE AND GOVERNANCE
- 40 FINANCIAL SUMMARY

16 Online information systems (Documentation database, SEAMCAT, EFIS, ECC Work Programme database) 18 Central source of information (ECO bulletin, SAT MoU,T-DAB Plans, Amateur, ESV, AES and ESOMPs,

COUNTRIES PARTICIPATING IN THE ECO COUNCIL

The ECO is governed by a Council, consisting of representatives of the 32 countries contributing to the financing of the ECO. The countries are listed below and shown on the map.



SECTION ONE Overview



CHAIRMAN'S FOREWORD

All year round, the ECO provides advice and support to CEPT and its three business committees. But for most of the time, its knowledge and expertise is centred on bringing maximum value to the ECC across its wide range of activities.

At the start of the year, administrations and industry had a focus on the World Radiocommunication Conference 2012 (WRC 12). The Office played a vital role for the ECC's operations here, providing CEPT/ECC delegates with an essential online messaging system for effective coordination, enabling them to organise meetings quickly and progress parallel internal discussions across an array of agenda items. It also rationalised the huge flow of information, providing delegates with weekly progress reports, as well as summaries of all relevant outcomes for wider circulation in the ECC Newsletter and website.

Throughout 2012, the ECO has also continued to support the ECC with the development of a number of key projects. It has assisted the ECC in its work to free up the 3.4 to 3.8 GHz band for ultra-fast mobile broadband; provided support on the development of a long-term strategy for Programme Making and Special Events applications; worked on a new policy approach for Short Range Devices and for Number Portability, and these are just some examples of the ECO's activities in its ongoing policy partnership with the ECC.

In addition, it has moved forward with some effective changes and upgrades to its specialist online tools and services, such as: the electronic working methods, and the European Frequency Information System (EFIS) – which brings benefits to the whole of the European radiocommunications community.

Mobile broadband in particular, but not exclusively, is continuing to drive a strong demand for bandwidth. I won't repeat these hotly debated numbers here, but the ECO needs to remain focused and effective in supporting CEPT and the ECC during the challenging period ahead. The ECO Council has every faith in its ability to do so and is continually impressed by the hardworking and professional approach that it consistently adopts across all its duties and responsibilities.

Towards the end of the year, we said farewell to Thomas Ewers, Chairman of the ECC. I would like to thank him for his exceptional support and contribution to the ECO and the world of spectrum management over the last five years and to wish him well for the future. Eric Fournier succeeds Thomas as the new ECC Chairman and my Council colleagues and I would like to offer him our warmest welcome. We very much look forward to working with him in the coming years as the technical challenges in spectrum management gain an ever greater impact and momentum.

This year has also seen a change in the Com-ITU chairmanship with Marcin Krasuski succeeding Anders Jönsson, who has decided to step down after five years as Chairman of Com-ITU and its predecessor group 'WG ITU'. I would like to express my gratitude also to Anders and to wish Marcin all the best for this challenging task of leading the coordination of CEPT's engagement with the ITU.

The ECO Council would also like to welcome Latvia as the new signatory to the ECO Convention, becoming the 32nd country which contributes to CEPT's small but effective central office in Copenhagen. I hope this will send an encouraging message to the remaining CEPT countries who are not already members to take on this important responsibility which I believe goes with the benefits of CEPT membership.

Cen an Smith

GEIR JÄN SUNDAL Chairman of the ECO Council



DIRECTOR'S STATEMENT

As 2012 draws to a close, economic problems still dominate much of our thoughts in Europe. It's not surprising that a lot of hope is placed in spectrum. The future profitability of today's service providers is keenly debated, but one way or another the wider benefits that spectrum-based services and facilities bring makes its impact huge.

National regulators have much to do, with ever fewer resources with which to do it. So I am proud of the ECO's work in binding the ECC together and extending its reach. You can read in this report how we did this in 2012.

Our core business of supporting the ECC is as important as ever. Despite the significant impact of a World Radiocommunication Conference in 2012 (WRC-12), the ECC had plenty of its internal European work to do. A lot of this was to work out important details such as whether and how Programme Making and Special Events equipment can work in some new frequency bands, having had their resources in existing spectrum squeezed by the continuing march of mobile broadband.

Our experts in the ECO work seamlessly with our colleagues from national administrations and industry to give a practical technical framework for harmonised decision-making and implementation in national licensing regimes. We have also strengthened our collaboration with academia and research programmes providing advice on the present and evolving spectrum management environment in which new innovations need to work. In all groups, we try to be imaginative and proactive in promoting modern solutions for efficiency – especially with spectrum sharing and a flexible, more generic, approach to spectrum management. But all of this means nothing if it doesn't recognise the practicalities of how equipment works, how it is used and how confident users can be in its quality. An evidence base and expert study has to go hand-in-hand with our ambitions.

In 2012, we put more resources than ever into our key software packages for the ECC within its further improved website. We made a major push forward with the key SEAMCAT spectrum compatibility analysis tool. We aimed at widening participation from a small club of experts who know its quirks and can work with them, to a wider group of spectrum analysis experts from administrations and industry who are now more confident using a more professionalised tool. This has great benefits for the efficiency of the work and helps the crucial consensus process which lies behind so much of what we do, and which is a key value in our contribution to the spectrum management world in Europe.

Building on the initial moves made in 2011, we also made a lot of progress with the EFIS tool which has now become a strategic tool for reviewing spectrum use, as well as being the best way to gain an overview of many spectrum licensing arrangements in Europe (its original purpose). The ability to search meaningfully through a wealth of existing data can tell us a lot about where to look next for spectrum efficiencies and improved use.

In June, our Deputy Director, Marc Le Devendec, left the organisation at the end of his contract period. I would like to thank Marc for his outstanding service over the last eight years and to wish him every success for the future. I am delighted to welcome Bruno Espinosa who joined in June and was appointed Deputy Director in July 2012. In December, our Numbering expert, Jukka Rakkolainen, left at the end of his contract period after eight years of valuable service. I would also like to thank Jukka and to wish him well for the future. Freddie McBride, who joined us in November, succeeds Jukka as our new Numbering expert. Both Bruno and Freddie have a wealth of experience and expertise in spectrum management and numbering respectively and make a welcome addition to our team.

Collaboration is at the heart of what we do and it's gratifying to note that we hosted more meetings here in Copenhagen in 2012. We really like that. It means we get to see more of you and, in the people-based, contribution-driven world of the ECC, that makes a big difference.

Mark thomas

MARKTHOMAS Director of the ECO

IN BRIEF

652 000

PEOPLE

1785

VISITS a DAY

The ECO is the European centre of expertise in electronic communications.

> The ECO is an integral part of CEPT's ECC and is active across all of its projects and activities.

> > 351 000

OVER

million

DOCUMENTS

PEOPLE

The ECO is 96% financed by its member countries.

The ECO delivers a breadth of professional services for the benefit of the specialist membership that we serve. Here is a summary of our performance over the past year, captured in numbers, across some of these areas of activity.

Our website, under continuous development and improvement, has been used by 652 000 people, with an average of 1 785 visits per day

> downloading over 1 000 000 documents

I 085 people from all around the world have downloaded our SEAMCAT software

We have carried out 33 public consultations and administered 14 questionnaires covering a wide range of topics to enhance and improve ECC policies

MEETINGS

PUBLIC

CONSULTATIONS



We have hosted 43 meetings attracting over 970 participants from all around Europe

4

and ECO experts

351 000 people have used the ECO documentation database

085 PEOPLE

We have organised 5 workshops

tailored to **specialist audiences**



Our EFIS frequency information system, visited by 47 000 people, has been significantly enhanced to make it a unique and high quality information tool on spectrum use and licensing conditions across Europe

THE ECO: OUR ROLE, OUR TEAM

Our role

The European Communications Office (ECO) provides advice and support to CEPT to help it to develop and deliver its policies and decisions in an effective and transparent way. Our core duties are to provide a European centre of expertise in electronic communications, to contribute to the work of the three CEPT committees and to manage CEPT's day-to-day activities.

As well as providing operational support to the CEPT and its three committees (ECC, CERP and Com-ITU), we also have a central duty to maximise the effectiveness of CEPT's Electronic Communications Committee (ECC).

The ECC brings together the 48 CEPT countries to develop common policies and regulations in electronic communications and related applications for Europe, and to provide a focal point for information on spectrum use. Its primary objective is to harmonise the efficient use of the radio spectrum, satellite orbits and numbering resources across Europe. It takes an active role at the international level, preparing common European proposals to represent European interests in the ITU and other international organisations.

In this context, the ECO seeks to complement and support the ECC by:

- improving collaboration across its membership and extending its reach beyond;
- ensuring its communications are open, consistent and effective;
- delivering new initiatives and providing strategic input to its work; and
- helping CEPT's consensus model of working to operate effectively.

Our team

Working from our central office in Copenhagen, Denmark, the ECO operates with a small team of 13. Our team is made up of seven experts in the field of radio and telecommunications, recruited from across Europe, and six colleagues from Denmark who are responsible for managing our support and administrative services.

This provides us with a good combination of expertise and experience to help us achieve a high standard in the specialist services we provide. We work effectively as a team collaborating closely to identify how best to maximise our value across our many specialised activities.



From left to right: Bruno Espinosa, Søren Conradsen, Jean-Philippe Kermoal, Merrete Wagner, Pia Hammer Bloch, Mark Thomas, Stella Lyubchenko, Bente Pedersen, Susanne Have, Thomas Weber, Vibeke Hansen, Freddie McBride, Alexander Gulyaev.

The ECO team and their main areas of responsibility

Mark Thomas Director, United Kingdom

Bruno Espinosa Deputy Director, France (Spectrum Engineering (SE24), Frequency Management (FM50, FM51, FM52), Broadcast Plan Management) - joined organisation in June 2012

Marc Le Devendec Deputy Director, France (Broadcasting; ETSI; Spectrum Engineering (SE24)) - left organisation in June 2012 at end of contract period Alexander Gulyaev Russian Federation (Regulatory issues, Mobile broadband (ECC PTI), PPDR (FM49), Electronic Working Arrangements (EWA)) Jean-Philippe Kermoal France (Spectrum Engineering (WG SE, SE19, STG), SEAMCAT, fixed services, ETSI Coordination, SAT MOU) Stella Lyubchenko Russian Federation (Spectrum Engineering (SE7, SE21, SE40), Cognitive Radio, academic research, WRC preparation) Freddie McBride Ireland (Numbering and Networks (WG NaN), Com-ITU) - joined organisation in November 2012 Jukka Rakkolainen Finland (Numbering and Networks (WG NaN)) - left organisation in December 2012 at end of contract period Thomas Weber Germany (Frequency Management (FM22, FM44, FM48, FM53, SRD/MG), EFIS and Satellites) Pia Hammer Bloch (EFIS, Council)

Søren Conradsen (Office IT, web and mail services technical enquiries) Vibeke Hansen (Website editor, reception, premises)

Susanne Have (CEPT, Council, administration, SAT MoU)

Bente Pedersen (Public consultations, ECC deliverables' library ('DocDB'), EFIS, administration) Merrete Wagner (Finance, premises, Human Resources)



SUPPORTING CEPT

The ECO provides a Secretariat for CEPT (including its Presidency) as an umbrella organisation for its three autonomous business committees.



The Chairmen of the three committees are also co-Presidents of CEPT.





Mr. Eric Fournier, France, co-President of CEPT and Chairman of the Electronic Communications Committee (ECC), responsible for telecommunications harmonisation, as well as European co-ordination and preparation for meetings in the Radiocommunication Sector of the International Telecommunication Union (ITU).



ERP

Mr. Ulrich Dammann, Germany, co-President of CEPT and Chairman of the European Committee for Postal Regulation (CERP), responsible for postal regulation, as well as European co-ordination and preparation for meetings of the Universal Postal Union (UPU).

The CEPT joint Presidency works together to deliver greater efficiency through the effective co-ordination of its work to create a dynamic market in the field of European posts and telecommunications for the benefit of society.

The ECO's support to the Presidency is mainly as a permanent office in the following areas:

- 1) the day-to-day handling of correspondence into and from the Presidency, with some secretarial and advisory support to coordination between the co-Presidents;
- 2) the provision and maintenance of content of the parts of the CEPT website which relate to the Presidency and CEPT as a parent organisation for its three committees;
- 3) the preparation of reports to the membership on the activities of the Presidency and assistance to the Chairmen with other aspects of reporting to the membership;
- 4) the invoicing and collection of CEPT member financial contributions, used to pay for the Office's support and such external expenditure as required, namely the costs of Assemblies, and some of the facilities provided for CEPT delegations at international conferences;
- 5) (as required): technical support to CEPT delegations at some major international conferences (e.g. WRC, WCIT, WTSA), this is usually an SMS-based messaging and chat system; and
- 6) (as required): preparation of facilities and secretariat support for CEPT Assemblies.

The CEPT Assembly is the supreme body of the organisation, and is convened as required. There has been no Assembly meeting in 2012.







Mr. Marcin Krasuski, Poland, co-President of CEPT and Chairman of the Committee for ITU Policy (Com-ITU), responsible for European co-ordination and preparation for meetings of the International Telecommunication Union (ITU).

SPECIALIS

SUMMARY OF SPECIALIST SERVICES

The ECO plays a fundamental role in one of CEPT's leading business committees: the ECC. We do this by providing a range of specialist support to the ECC, and its many working groups and project teams, to maximise its effectiveness across all areas of its work. Some of these services are also provided to the other CEPT committees.

Chairmanship of key project teams

In 2012, we chaired six project teams which support the work of the ECC and its working groups on a range of radio and telecommunications issues. These include:

Project Team SE24 of the Spectrum Engineering Working Group (WG SE) up to May 2012 and **Project Team SRD-MG** of the Frequency Management Working Group (WG FM) responsible for short range devices (SRD);

Project Team SE19 (Fixed Services) of the WG SE;

Project Team STG responsible for the development of the CEPT compatibility tool, SEAMCAT, within the WG SE;

Forum Group on Radio Amateur issues of the WG FM; and

Project Team EFIS-MG responsible for the development of the EFIS tool within the Frequency Management Working Group.

Conducting consultations to deliver better policies

The ECO is responsible for conducting consultations on behalf of the ECC (see at: http://cept.org/ecc/tools-and-services/ecc-consultation) as part of the approval process of ECC deliverables. In addition to bringing together member administrations, our consultation procedures set out the ways in which other stakeholders can get involved.

The role of the ECO is not only to launch the consultations but also to perform a detailed analysis of the responses received and to submit proposals to the relevant body within the ECC in order to reflect appropriately the views expressed by stakeholders in the deliverables considered for publication.

Conducting questionnaires for improved regulatory outcomes

Questionnaires are developed within the framework of ECC working groups and project teams. The ECC uses them to gather information from administrations and other stakeholders to improve the development of ECC deliverables. The ECO acts as a contact point in order to distribute the questionnaires, collect responses, summarise and analyse them, and submit the results of this process to the relevant ECC groups.

QUESTIONNAIRE 1) What is the

current use of the band 2300-2400 MHz in your country?

 What is your short, medium and long term plan?



Providing facilities for collaborative working

CEPT's work is based on collaboration between different countries' regulators and industry. Creating a forum for these important discussions is one of our central services. We provide facilities for both physical and electronic meetings and tools for electronic exchanges (e-mail reflectors, forum).

Meeting premises at the Office in Copenhagen

We have four meeting rooms, all of which have internet access for delegates and projection facilities. Their respective capacity is approximately 60, 20, 10 and 8 seats. In addition, the main room has video and audio webcasting features.

Electronic meetings

The Office provides a range of facilities for electronic meetings:

- All-electronic meetings based on audio links, with document visibility to delegates ('Go-to-Meeting');
- Remote audio participation (audibility and interventions) and document visibility for physical meetings, optional management facility for meeting secretary; these facilities have some technical and procedural limitations; and
- Video and audio streaming combined with external audio intervention from the Hamlet meeting room at ECO, Copenhagen.

Meeting management

The CEPT portal hosts a meeting calendar, which allows viewers to see all meetings, or only those of interest, for efficient planning, associated with meeting registration facilities.

This portal includes also a meeting document server for all the Committees. This allows both open and protected document access, and maintains an archive of meeting documents. Access for uploading documents can be adjusted to suit the meeting Chairman's preferences.

SERVICES

Tools for electronic exchanges

The Office hosts an email server where each group can set up email reflectors to exchange and circulate information through correspondence lists. In addition, a Forum, now fully integrated into the CEPT portal, offers many opportunities for groups as an efficient method for correspondence activities.

						企(EPT E
ECC -	Groups	Tools and Sonts. For access	ervices 🔹	Topics •	ECC Mee	ting Documents embers, please g	ECC I
 Filter an 	id search	t ai ea.					
Group Keyword	ECC Archive (Docs up until 1 July 2) Refresh document list	(except CERF	File ext. From) Size	 More than More than	▼	Kb times	
Folder	'S						
					Uple	oad new docume Download selecte	nt

SPECIALIS

ONLINE INFORMATION SYSTEMS

The ECO provides a range of bespoke online information systems on which many of our European stakeholders rely.

Documentation database – ECODocDB

Our documentation database (ECODocDB, http://www.ecodocdb.dk/) is an important online resource. It acts as a library for all ECC deliverables, namely ECC Decisions, ECC Recommendations, ECC Reports and CEPT Reports. It also gives access to the European Commission Decisions related to the ECC activities and provides helpful information associated to each deliverable (e.g. related documents, implementation status).

OUTODOON CO Documentation Data	ommunicatio	Home Info ECC Decisio DOS OFFICO	ns ECC Recommendations EC	C Reports CEPT Reports EC I	ecisions Implementation Overvie
2	- Å	This database is a library of d approved by the ECC . Relevan deliverables approved by the guidance notes developed by On this page your can see the display all the documents in e	cisions, recommendations and re t EC Descisions are also provided f EC, relevant equipment technical RATTE CA can be downloaded fro most popular (downloaded) docum ach category, arranged in date or	ports in the field of spectrum regu information. All rudio spectrum tandards produced by CTSI and te m their respective websites. nents in each category. Click on 's der.	europeon lation communication related IC office chnical ee all' to
1 Carrow P	PLACE			Search in all do	cuments Search
ECC Decisions	ECC Recommendations	ECC Reports	CEPT Reports	Commission Decisions	Implementation
most downloaded	most downloaded	most downloaded	most downloaded	most downloaded	Overview
05.11.2008 ECC/DEC (09)03 Harmonised conditions for MPCN in the band 790-862	03-102002 ERCIPEC 70-03 Short Range Devices (SRD)	05-022011 ECC Report 159 Cognitive radio systems in the 'white spaces' in 4	01001.2008 CEPT Report 019 Least restrictive technical conditions for WAPECS	27-06-2008 EC Decision 2008/432/EC Amending the Decision 2006/771/EC on harmoreisatio	Most widely implemented 16-10-2003 - Implemented is 49 administrations TR-61-01 CEPT Radio Amatrix License
14-12-2008 ECCIDEC(66)13 Designation of GSM-9001800 bands for terrestrial	T.R. 61-01 CEPT Radio Amateur Licence	ECC Report 164 Compatibility between WLAM automative redars in th	CEPT Report 010 The identification of common and minimal deat re-	23.02.2007 EC Decision 2007/131/EC Harmonised use of the radio spectrum for explorment	24-10-1994 - Implemented in 45 administrations ERC DEC (94)03 ERC Decision of 24 October 1994 on
ECC/DEC/(07)02 Availability of frequency bands between 3400-3800	CEPT Novice Radio Amateur Licence ECCREC/005/02	06:07:2013 ERC Report 025 European Common Allocation Table (ECA)	CEPT Report 023 Technical Options for the Use of a Harmonised Sub-	22-06-2009 EC Decision 2009/381/EC Amending Decision 2006/771/EC on harmonisation of	the frequency band to be designated for 15-05-2012 - Implemented in 42 admissionations
00.07.2001 ECCIDEC(05)05 Harmonisation of frequency bands for the implement	Frequency planning and frequency coordination for (Minimized) T.R. 61-02	04-04-2007 ECC Report 096 Compatibulity between UMTS 900 1800 and systems op	CEPT Report 024 Feasibility of fitting new applications services i	11-11-2006 EC Decision 2006/771/EC Harmonisation of the radio spectrum for use by SRD	ECC DEC (01)03 ECC Decision of 15 November 2001 on ERO Frequency Information System (EFIS)
10.10.2000 ECCIDEC((04)08	Harmonised amateur radio examination certificates	ECC Report 123	CEPT Report 071	16-07-2008 EC Decision 2008-477/EC	admension of the second

Spectrum Engineering Advanced Monte Carlo Analysis Tool (SEAMCAT)

SEAMCAT (Spectrum Engineering Advanced Monte Carlo Analysis Tool) is a software tool based on the Monte-Carlo simulation method which permits statistical modelling of different radio interference situations. It has been developed to deal with a diversity of complex spectrum engineering and radio compatibility problems.

It is a generic compatibility analysis tool which is neither system-specific nor service-specific. This enables it to address any interference scenario regardless of the type of victim receiver and interfering radio systems.

The tool is designed for systems that operate in shared or adjacent frequency bands. It can also evaluate radio equipment parameters (e.g. transmitter emission masks, receiver sensitivity and density of interfering transmitters) where all interference mechanisms can be taken into account.

The tool is updated on a regular basis and is downloadable free of charge at: www.seamcat.org.

The ECO organises regular public workshops on SEAMCAT, which are available to administrations, industry and universities for free. Details on our 2012 workshops are set out within the Review of the Year section on page 31.

The ECO also provides an online manual facility which is regularly updated at: www.seamcat.org/xwiki.

In addition, the ECO uses a 'Tractool' management platform to make the development of the tool as transparent as possible. This platform allows SEAMCAT users to report any errors and monitor their processing.



ECO Frequency Information System (EFIS)

On 31 January 2002, the ECO launched a frequency information system called EFIS. EFIS is available to the public on the Internet either via the ECO website or directly under http://www.efis.dk/.

This tool provides a valuable service to all those with an interest in spectrum licensing and utilisation. EFIS also contributes to CEPT's harmonisation and transparency policy objectives, as well as the European Union policy objectives laid down in the Decision of the Council and European Parliament on Radio Spectrum Policy.

Since its launch in 2002, EFIS has expanded considerably. Most of CEPT's 48 national administrations now publish their data in EFIS, the scope of the content is wider and there are many more features and facilities.

In 2007, EFIS became the 'European Spectrum Information Portal', fulfilling EC Decision 2007/344/EC on harmonised availability of information regarding spectrum use in the European Union Member States.

A short introduction to EFIS and links to related documents can be found on the ECO website. With EFIS, users can search for and compare spectrum use across Europe as well as related information such as CEPT activities, radio interface specifications according to the R&TTE Directive and other national or international regulations.

Since early 2012, strategic spectrum management information has featured much more prominently in EFIS's development, with the introduction of a 'non-regulatory' section, which incorporates a much wider range of information (see details in the Review of the Year section on pages 21 and 22).



SERVICES

ECC Work Programme Database

The ECC Work Programme Database (ECC WP DB) is a part of the ECO software tools to support CEPT. The purpose of the WP DB is to provide the ECC and its constituent bodies with online facilities for maintaining and updating their work programme on an ongoing basis. The Work Programme (WP) consists of a number of Work Items, allocated to the various groups within the ECC, stored in the Database with the possibility to filter them by reference name, status and by responsible group.

The database is available at http://eccwp.cept.org/.

V	Ecc wo	E R Program In purpose of the ECC Muk Program any point of the ECC Muk Program any point of the State of the State and the State of the State of the State of the State and the State of the State of the State of the State and the State of the State of the State of the State of the State and the State of the State of the State of the State of the State and the State of the State	uropean Co De ee (WP) is to pro instaining and so consists of a m ed in the Work P	ommunications Office Database where the ECC and its constitu- valeing their work where of the Model Works vagenesse Database (WPOB).	1	E	00
lork Program	me - Info -						
Responsible	e Group • WG SE	Recon	ds pr. page: 1	0 V Export to Excel		Repor	tError
Drag a column I	header here to group by that column						
Reference ∇	Subject	Scope	Status	Remarks	Start / Target dates	Trippered By	View
SE19_26 am update 35-02-2013	Guidelines on technical aspects for coordination/licensing conditions currently used for PP systems	ECC Report and/or Recommendation	In Progress	Draft ECC Report 198 sent for public consultation.	S: 31-01-2011 T: 01-09-2013		0
SE19_25 lant update 18-09-2012	FS in Europe - Current use and future trends Post-2011	ECC Report to update ECC Report 003	Finalised	ECC Report 173 published. WI is closed.	S: 01-05-2010 T: 05-03-2012		0
SE19_24 ant update IS-05-2012	Coordinated inputs to ITU-R: WP5C	Coordination of contributions related to FS channel arrangements to ITU-R F series recommendations	In Progress		5: 01-01-2010 T: 05-12-2015		θ
5E19_23 lam update 10-30-3012	Review of ECC/ERC Recommendations	Response to the mandate from WG FM.	Finalised	WI is closed	S: 12-09-2008 T: 05-03-2012		0
SE19_22 am update 10-30-2012	High Altitude Platform Stations (HAPS) in the range 5 850- 7 075 MHz	Support of the WRC-11 CPG-PTD agenda item 1.20. To lase directly to CPG-PTD. Draft ECC Report.	Finalised	ECC Report 156 published. WI is closed.	S: 01-05-2008 T: 01-01-2011		θ
			-				_

SPECIALIS

PROVIDING A CENTRAL SOURCE OF INFORMATION

In addition to the above reference and analysis tools, the ECO works together with CEPT countries and other stakeholders to provide more accurate and up-to-date operational information in a number of key areas. This includes a number of web pages providing information on the ongoing activities within the ECC, as well as the following services.

ECO Bulletin

The Office brings to each ECC meeting (usually three times per year) a bulletin on activities in radio communications in other world regions, where a regulatory dimension is raised (e.g. by innovative services or technology). The primary objective is to identify whether the ECC needs to investigate further or consider possible new actions. A secondary but more frequently addressed objective is to enable comparison to be made with the regulatory approach in other regions to subjects already treated by the ECC (including, where relevant, to the work of the ECC's Conference Preparatory Group).

Satellite Monitoring Memorandum of Understanding

Due to the highly specialised and costly nature of satellite monitoring facilities, national authorities have established an agreement under the Satellite Memorandum of Understanding (SAT MoU) to have access to the monitoring earth station in Leeheim, Germany. The agreement facilitates satellite monitoring activities within CEPT, particularly to investigate interference to and from the satellites.

The ECO provides secretariat support to the management committee responsible for the Sat MoU and manages CEPT's Sat MoU account set up to cover the costs of using the Leeheim facilities. The ECO also provides a link between the ECC activities on satellite and monitoring and the SAT MoU.

Further information on the Sat MoU is available from our website at: http://www.cept.org/eco/groups/eco/sat-mou

The signatories of the agreement are: France, Germany, Luxembourg, The Netherlands, Spain, Switzerland and the United Kingdom.



Terrestrial-Digital Audio Broadcasting Plans

Another of our tasks is to manage two CEPT digital broadcasting plans across Europe. One of these addresses a residual 10 MHz (230-240 MHz) used for T-DAB and not covered by the Geneva 06 (GE06) plan relevant for most T-DAB broadcasting in Europe between 174 and 230 MHz. The other is the plan covering L-Band frequencies between 1452 and 1479.5 MHz, designated for T-DAB with some flexibility available for variants to this system. The plans are available from the ECC website at: (http://www.cept.org/ecc/topics/broadcasting/t-dab). These provide details of the allotments for each country. They also give a list of individual transmitters which have been co-ordinated between CEPT administrations and their agreed characteristics.

Our management of this activity involves developing online tools in order to facilitate the organisation of the data contained in the Plans. We also inform CEPT administrations of any new or potential changes to the Plans through the publication of Circular Letters, updating the Plans when new stations are coordinated, and notifying the administrations.

Amateur Radio

The ECO takes the lead role in the activities of the ECC Frequency Management Working Group (WG FM) on amateur radio issues. We work closely with the International Amateur Radio Union (IARU) Region I.We act as the focal point with regard to the CEPT regulatory framework on amateur radio aspects, such as certificates and licences.

We also work with non-CEPT countries which have inconsistent entries in CEPT deliverables on amateur radio and those non-CEPT members who have expressed an interest in joining the CEPT regulatory framework.

Earth Stations on Vessels, Aircraft Earth Stations and Earth Stations On Mobile Platforms (ESOMPs)

The ECO Documentation database includes technical information on the operators' networks of Earth Stations on Vessels (ESVs), Aircraft Earth Stations (AESs) and Earth Stations On Mobile Platforms (ESOMPs).

SERVICES

We maintain and update these files as prescribed by the regulatory frameworks for ESVs, AESs and ESOMPs. The information is available in the ECO Documentation database in connection with the relevant ECC Decisions. More details are available by clicking here.

Cognitive Radio

The ECO has established a web page on Cognitive Radio (CR) and Software Defined Radio (SDR) (http://www.cept.org/ecc/topics/ cognitive-radio-systems-and-software-defined-radio), which presents an overview of the CEPT activities on these subjects. In order to give a broader context to the information, the website page also presents short summaries and links on activities within ETSI, the EU Research Framework Programme, and some other research institutions.

Numbering & Networks

Efficient numbering and network management contributes to a competitive communications environment and addresses issues such as transparent and non-discriminatory access to numbering and network resources, technology neutrality, consumer protection, transparency and ease of use. Numbering, naming and addressing schemes are managed by administrations at the national level in accordance with national and international legislation and agreements. The ECC and the ECO have been actively involved in assisting national administrations to address numbering policy issues in order to facilitate seamless communication for business and residential users worldwide.

SECTION TWO

REVIEW OF THE YEAR

The ECC published its five year strategic plan in March 2010, outlining its approach to meeting key challenges and priorities that will drive spectrum management over the coming years, and identifying some objectives specifically placed on the ECO. This set of objectives constitutes one of the main drivers of the ECO's activities.

In 2012, the ECO's emphasis was especially placed in four main areas and we report on our performance against these strategic objectives in the pages that follow.

- Development of EFIS in order to respond to the needs of various stakeholders and to contribute towards the bridging of the EC and ECC regulatory frameworks;
- Extension of the process initiated in 2011 towards the development of a communications programme to promote ECC achievements and increase the visibility of its deliverables;
- Support to the ECC in developing closer business relationships with industry, other external organisations, academia and research programmes; and
- Promotion of a regular exchange of views through the organisation of workshops, training sessions and events devoted to newcomers to ECC work.

MEETING THE OBJECTIVES OF THE ECC STRATEGIC PLAN

Here we review our progress on meeting the ECC's strategic objectives in four key areas.

DEVELOPING THE ECO FREQUENCY INFORMATION SYSTEM (EFIS) AND CONTRIBUTING ON THE EU SPECTRUM INVENTORY PROCESS

Our work against this objective has significantly progressed during 2012 with the inclusion of a broader range of strategic spectrum management information in EFIS and the delivery of a number of important software enhancements to widen and improve its value and useability.

EFIS was conceived and established to enable those with an interest in using radiocommunications at the European level to gain an overview of the regulatory and licensing framework in each European country. This relates also to strategic spectrum management, which is addressed by more recent developments of the tool.

EFIS contains searchable and comparable data from 42 European countries on their national spectrum use; in addition, it contains an ITU table (for Region 1) and the European Common Allocations (ECA) table.

Spectrum management information

Since early 2012, strategic spectrum management information has featured much more prominently in EFIS's development. A 'nonregulatory' section was introduced, which includes a wide range of information, mostly in the form of documents linked to the European Table of Frequency Allocations and Applications (known as the 'ECA table' or simply 'ECA'). The ECA table, which was previously stored in a separate database, was fully incorporated into EFIS in 2012, and the ERC Report 25 (containing the ECA table) is now generated from EFIS. In parallel, a major revision and updating of the ECA Table was conducted under the leadership of the Office, taking into account the results of the World Radiocommunication Conference 2012 (WRC-12). CEPT questionnaire summaries for dedicated spectrum inventory purposes, ECC Reports and other useful information about the actual present and future planned spectrum usage have also been made available. By selecting a frequency range and/or the radio application term, users can find a comprehensive set of relevant documentation for one dedicated frequency range and/or application.

Increasingly, cooperation with third parties, defined as 'partners' of CEPT/ ECC, i.e. those having a Letter or Memorandum of Understanding with CEPT/ECC, has led to further relevant information being included in EFIS. Examples are system reference documents from ETSI and information on RTTE Equipment Classes (in cooperation with TCAM ADCO) or links to the ITU-R broadcast web. Often such information is linked to the ECA table for the purposes of search and display.

Improvements of the tool for administrations and the user

During 2012, a considerable number of software enhancements were made.

Many of these were additional features for and improvement of administrations' interface with EFIS. The issue of user-friendliness and efficiency in EFIS, also for national administrations, is always a matter of high priority in the development of the tool.

- In September 2012, a new ECC Report 180 'Guidance on the interpretation of the requirements of ECC/DEC/(01)03 on EFIS' was published with the aim of providing assistance to administrations to implement this ECC Decision and to upload data to the EFIS database, in similar and comparable ways; and
- For the user, the visibility of information and clarity of display were improved via an increased use of icons/thumbnails. Users can now also get auto-translated search results within EFIS.

shows validity dates for document	-10 5	AS6 MHz	- 459 MHz	DMR/DAMR	
searches ECA frequency allocations for doc. frequency range		450 MHz	- 460 Milz	PHR/PANR	
displays implementation by country for doc		460 MHz	- 970 MHz	PMR/PAMR	
RC/REC 70-03 - Annex 6 Rediodetermination applications	-	30 MHz	- 12.4 GHz	Detection of movement and alert	ECC Decs/Recs
CONDECTION on Recording from individual linearing of disket terminate of Decement comment	\sim	Ches	- 87.5 MHz	DMR/DAMR	ECC Decs/Recs
Implementation status see Appendix 1		·····titz	- 174 MHz	PMR/PAMR	
displays comment		406.3 MHz	- 430 MHz	PMR/PAMR	

Role of EFIS in the EU spectrum inventory

In 2007, EFIS became the 'European Spectrum Information Portal', fulfilling EC Decision 2007/344/EC on harmonised availability of information regarding spectrum use in the 27 European Union Member States. The main idea

behind this was that a single information point – EFIS – would ensure easy access and user-friendly presentation of spectrum information throughout the EU. EU Member States are obliged under this Decision to publish their national frequency data, including radio interface specifications and information on individual rights of use (which may be limited to tradable frequency bands used for the provision of electronic communications services).

EFIS

ECO Frequency Inform

cations S Applications

The European Commission in September 2012 gave CEPT a new 'EFIS Mandate', on inclusion in EFIS of information on rights of use for all uses of spectrum between 400 MHz and 6 GHz. This mandate recognises the existing role of EFIS and the potential to develop it in a way which would enable it to serve as a primary input to the spectrum inventory as defined in the Radio Spectrum Policy Programme 243/2012/EU adopted by the Council and Parliament of the European Union.

In response to this Mandate, the ECC in 2012 has started to produce two new CEPT Reports planned for adoption in the first half of 2013. The ECO, through its leadership of the EFIS Maintenance Group (EFIS/MG), has had a key role in the development of these deliverables. The outcome from this work is expected to further highlight the strategic importance of EFIS and to identify areas for improvements and developments in the coming years.

IMPROVING THE ECC'S COMMUNICATIONS, PROMOTING A GREATER UNDERSTANDING OF ITS ROLE, ITS WORK AND ITS IMPACT

Developing the ECC's communications programme continues to be a priority for the ECO. Throughout the year, we have promoted the ECC's work through the publication of the ECC Newsletter and a series of news releases.

In 2012, we have strengthened the initiative launched in 2011 on the publication of the ECC e-Newsletter to improve awareness and understanding about some of the important issues being considered within the ECC. Across the year, the ECO produced and distributed four e-Newsletters on behalf of the ECC which we sent to some 4 500 stakeholders and which we released on the ECC website.

The articles were written by leading ECC and ECO experts who specialise in the field of electronic communications and spectrum management.

Three of these newsletters were regular editions released in February, June and December 2012. They addressed a large range of topics in order to:

- reflect the ECC results on key issues, such as the release of additional spectrum for mobile broadband, the shift in regulatory approach for short range devices or the development of guidelines to promote number portability;
- describe the initiatives taken to respond to the needs expressed for the availability of spectrum in areas such as Programme Making and Special Events (PMSE) applications, maritime communications for safety purposes and Broadband Direct-Air-to-Ground Communications; and
- improve understanding about the ECC framework by presenting the ECC's actions in relation to the European Union's multi-annual Radio Spectrum Policy Programme (RSPP) and by describing the efforts made by the ECC to streamline its structure and its working methods.

A special edition was also released in February 2012 to present the results of the World Radiocommunication Conference 2012 (WRC-12) from a European perspective.

Individual articles attracted between 150 and 700 views; the WRC-12 special edition attracted more than 1 400 downloads, and the normal February edition was also boosted by an article on the hot topic of mobile broadband at 3.4-3.8 GHz (more than 900 readers).

You can subscribe to the ECC e-Newsletter for free from the following link: http://www.cept.org/ecc/who-we-are/ecc-newsletters. An online archive of past copies is also available from this link.



We have also published news releases covering a number of significant topics such as: an announcement on the key outcomes of WRC-12; invitations to and details of the ECC workshops on Cognitive and Software-Defined Radio and Long Term Evolution of Numbering, Naming and Addressing; an announcement on modernising the regulatory framework in the 2 GHz band for ultra-fast mobile broadband; and on the appointment of the ECC's new Chairman, Eric Fournier.

SUPPORTING THE ECC IN DEVELOPING CLOSER BUSINESS RELATIONSHIPS WITH INDUSTRY AND EXTERNAL ORGANISATIONS AND ENCOURAGING A REGULAR EXCHANGE OF VIEWS

During the year, ECO experts have continued to forge closer business relationships with important stakeholders from across the telecommunications sector through our participation in a broad range of events. We have also continued to contribute to a core set of regular meetings with some of our leading partners. In addition, we have strengthened our links with academia and research programmes to share information on some important technologies which are shaping the spectrum management environment.

Promoting the work of the ECC at key telecommunications events

EU Consultation Workshop 'Moving Life' Health in a Socio-economic Context

Brussels, Belgium, 18 January 2012

In the context of the EU 'Moving Life' Project aimed at delivering roadmaps for mobile Healthcare (mHealth), a Pan-European expert consultation workshop was organised on the topic of mHealth and socio-economic issues.

During this event, Thomas Weber (ECO) gave a presentation on the ECC's activities on Spectrum Needs for Wireless Medical Applications. This highlighted the ECC's initiatives to designate spectrum for Active Medical Implants and provided an update on the activities under development for other wireless medical applications.

360° Surround Automotive Radar

(Gothenburg, Sweden, 7-9 May 2012)

The International Wireless Industry Consortium (IWPC) organised an interactive workshop on automotive radars. Speaking at the event, Thomas Weber (ECO) set out CEPT's spectrum management actions in relation to automotive/vehicular radars.

54th CRAF meeting

Cagliari, Italy, 31 May-1 June 2012

As part of the collaboration process between the ECC and the Committee on Radio Astronomy Frequencies (CRAF), Thomas Weber (ECO) was invited to the 54th CRAF meeting to deliver a presentation on the ECO Frequency Information System (EFIS) Database and the European Common Allocation Table (integrated in EFIS). The ECO and CRAF collaborated concerning an amendment of the entries for the radio astronomy service in the ECA in the most recent ECA Table update.

7th Annual European Spectrum Management Conference Brussels, Belgium, 19-20 June 2012

This leading annual event organised by Forum Europe brought together over 250 attendees from all the main stakeholder groups to explore the current issues and debates concerning EU and global spectrum management. In a session devoted to the EU spectrum inventory, Thomas Weber (ECO) highlighted the role of the EFIS database in the process and described its enhancements to collate the additional information required for the spectrum inventory.

Nordic-Baltic Electronic Communications Regulators' Workshop

Trakai, Lithuania, 29 August 2012

The Annual Baltic Regulators' Meeting was held in Trakai (Lithuania) where delegations from the Communications Regulatory Authority of the Republic of Lithuania (RRT), the Estonian Competition Council and the Latvian Public Utilities Commission shared experiences and discussed market developments and trends. Jukka Rakkolainen (ECO) was invited to the event to present the work of WG NaN's Project Team on Technical Regulatory Issues (PTTRIS) in the area of measuring and comparing the quality of service provided by Internet access service providers. The objective of this work stream is to provide practical guidance to National Regulatory Authorities on the implementation of Articles 22 of the Universal Services Directive which specifically deals with quality of service issues.



Stella Lyubchenko, left, presenting the poster prepared by the ECO at EMC Europe 2012.

Norwegian Post and Telecommunications Authority 'Frekvensforum 2012'

Lillesand, Norway, 12 September 2012

The ECO Director, Mark Thomas, gave the opening presentation at this industry forum held by the Norwegian spectrum regulator in September. He spoke on 'Spectrum Harmonisation in Europe – Trends and Topics'. The presentation outlined the underlying rationale for harmonisation, and how the various regulators cooperate at the European level, before making observations on wider trends, and explaining how the ECC is addressing some of today's major topics in spectrum management.

EMC Europe 2012

Rome, Italy, 17-21 September 2012

EMC Europe is the leading EMC Conference in Europe which this year was held in Rome, Italy. For the third consecutive year, the ECO was invited to contribute to this international forum for the exchange of technical information on EMC.

During this event, Stella Lyubchenko presented an overview of CEPT compatibility studies between safety applications and other services, based on three deliverables recently developed within the ECC. In addition, the ECO prepared a poster displayed in the exhibition hall on SEAMCAT and compatibility studies performed within the ECC.

Mobile Broadband World 2012

London, UK, 26 September 2012

Mobile Broadband World is a traditional annual telecom businesses oriented conference held in London, UK. The conference was attended by about 40 participants mainly representing mobile and fixed operators from all over the world, but also manufacturers and regulators. Alexander Gulyaev (ECO) delivered a presentation on 'Regulatory update: a major step towards enabling mobile broadband' focusing on the then current ECC work on the 3.5 GHz band aimed at enabling advanced mobile services in the future mobile/fixed communications networks (first of all, LTE) requiring much wider frequency channels compared to those used in modern cellular networks. The conference's discussions showed that there is a good synergy between the ECC's 'mobile agenda' and operators' activities, both addressing rapidly growing demand for advanced mobile services mainly by increasing the efficiency of spectrum use.



Alexander Gulyaev (ECO) presenting at the Mobile Broadband World 2012 (September 2012, London, UK)

Radio Communications Expert Group meeting of LEWP

Larnaca, Cyprus, 24 October 2012

In October 2012, Alexander Gulyaev (ECO) attended a meeting of the Radio Communications Expert Group (RCEG) which comprised of representatives from the European PPDR organisations under the auspices of the Law Enforcement Working Party (LEWP). The LEWP reports officially to JHA (Justice & Home Affairs) within the European Council. This meeting took place in Larnaca under the Cypriot presidency in the EU (second half of 2012).

Alexander Gulyaev, at the request of the Chairman of the ECC Frequency Management Project Team 49 (FM49) 'Radio Spectrum for PPDR', gave a presentation on the progress of work on the European harmonisation for the provision of broadband services for Public Safety.

European Utility Telecom Conference 2012

Warsaw, Poland, 26 October 2012

The European Utility Telecom Conference is the largest gathering of telecommunications and technology executives from Europe's utilities and their technology partners. It explores solutions to develop greater intelligence in core infrastructure networks through the deployment of smart grids.

In a session devoted to wireless solutions, Bruno Espinosa (ECO) presented the ECC's activities in relation to utilities, focusing on the regulations applicable to Short Range Devices and the ECC's considerations on smart grids and smart metering applications.

Spectrum Management Forum 2012

Munich, Germany, 5-7 November 2012

In November 2012, Alexander Gulyaev (ECO) spoke at the IIR Telecoms and Technology annual European Spectrum Management Forum (2012) in Munich, Germany, attended by over 50 participants including senior figures from the ITU, the ECC, and the EC as well as leading professionals from telecom businesses worldwide. The focus of the conference was on the gradually changing regulatory environment in the telecommunications sector towards more flexible frameworks and partly on new business strategies enabling more efficient use of spectrum and provision of more advanced services. Alexander Gulyaev delivered a presentation entitled 'ECC is modernising its regulatory framework towards enabling 4G services' which focused on the then recent revision of the European regulation for the 2 GHz core IMT band reflected in the revised ECC Decision (06)01 followed by a new Commission Implementing Decision 2012/688/EU.



Alexander Gulyaev (ECO) presenting at the Spectrum Management Forum 2012 (November 2012, Munich, Germany)

The 4th Annual Internet of Things Conference

Brussels, Belgium, 12-13 November 2012

The principle of connected devices and objects that are uniquely identifiable is increasingly becoming a reality, with related technologies rapidly finding their way into everyday life. In order to discuss a single market for the Internet of Things (IoT) and maximise the advantages that a safe and advanced IoT would bring, the Forum Europe annual IoT conference brought together policymakers, industry and business developers.

Speaking at the conference, Thomas Weber summarised the variety of activities undertaken by the ECC in relation to typical IoT applications such as RFID, smart metering and smart grids, emphasising in particular the application of important principles such as technology and application neutrality; the terminology used in spectrum management. He also outlined that the ECC's principal priority is to achieve efficient regulation and to avoid spectrum fragmentation.

European Forum for Spectrum Coexistence

Brussels, Belgium, 3 December 2012

The ECO Director, Mark Thomas, spoke at this workshop and joined a panel discussion. The event was about the relationship between different users and regulators of spectrum, and the framework for identifying and resolving interference issues which could potentially fall outside the normal spectrum management framework, or comply with that framework but where interference still had consequences which could perhaps be avoided or mitigated. Mark Thomas explained the ECC's role: what it does and can do, and also where it believes the limits of its role lie.

Working effectively and collaboratively with our partners

Improving collaboration across the CEPT membership has always been a central duty for us. We work with the ECC to extend its reach beyond CEPT member administrations to foster effective working relationships with a wide range of stakeholders to improve co-operation, support innovation, and promote best practice in this increasingly global environment.

Throughout 2012, we continued our participation in a significant number of meetings with key stakeholders to improve our own deliverables and to contribute to outcomes in other relevant fora. The most regular of these are set out below.

ETSI

The ECO plays a key role in the close cooperation between the ECC and ETSI. We develop and maintain on the ECC website a dedicated page (http://www.cept.org/ecc/who-we-are/ecc-and-etsi) describing how these two organisations work together.

In October 2012, the ECC-ETSI cooperation meeting approved the update proposed by the ECO of the document describing the cooperation process between the ECC and ETSI for the standardisation and regulation for radiocommunications devices or systems.

The ECO participates at each meeting of the ETSITC ERM, which is responsible for ETSI's interface with the ECC on radio matters. The main goal of this participation is to contribute to the consistency between ECC and ETSI activities and to promote in ETSI an awareness of the ECC's outputs and requirements, and vice versa.



In this context, the ECO maintains a relationship matrix which shows whether there is ongoing cooperation or a potential relationship between specific groups respectively within the ECC and ETSI. We also maintain a spreadsheet listing ETSI Harmonised Standards under development which relate to ongoing ECC activities.

The ECO is also involved in ETSITC SES acting as an interface between the ECC and ETSI on standardisation related to satellite issues.

In 2012, the ECO and ETSI agreed on the precise procedure for inclusion of System Reference Documentation to be contained in EFIS. This includes information about the market such as existing spectrum usage, current regulations, forecasted spectrum usage and a proposal for future spectrum usage as well as future regulation. These documents are in the spectrum inventory section of EFIS.

In addition, the ECO follows ETSI standardisation activities related to next generation telecommunications networks, their infrastructure, security and identification. We also report on ongoing ETSI work items that may be relevant to the work of the ECC's Working Group Numbering and Networks (WG NaN) and its Project Teams.

In 2012, ETSI conducted a review of its structure and decided to discontinue activities in ETSI TISPAN and to set up a new group called ETSI Project End-to-End Network Architectures (E2NA), E2NA will develop and maintain standards in cooperation with relevant stakeholders in next generation and future networks technologies, network architecture, network management, network security, numbering, naming, addressing and routing. The ECO will continue its participation in ETSI through this new forum in order to inform policy development.

ITU

We are involved in a number of key International Telecommunication Union (ITU - www.itu.int) activities in two ways. The first is some participation in relevant ITU-R (Radiocommunication Sector) and ITU-T (Telecommunication Standardisation Sector) study groups where this forms part of our support of ECC Working Groups and Project Teams. The second is some technical (and, for World Radiocommunication Conferences, management) support to CEPT in special events organised within the ITU framework, namely executive conferences.

As part of our support to the ECC's activities on short range devices (SRD), the ECO participates in three spectrum management working groups: WP IA, WP IB, and SG I. Similarly, the ECO is involved in the ITU-R WP 5A to promote the ECC's activities on Public Protection and Disaster Relief (PPDR) communications.

We also contribute to the work of the ECCWG NaN (Numbering and Networks) through our participation in ITU-T SG2, the lead study group for service definition, numbering and routing of telecommunications traffic. Study Group 2 is home to important numbering standards including ITU-T Recommendations E.164 and E.212. E.164 provides the structure and functionality for telephone numbers internationally while E.212 describes a system to identify mobile devices as they move from network to network both nationally and internationally. These recommendations are integral to current work streams within the remit of WG NaN.

ECO support to CEPT during WRC-12

The World Radiocommunication Conference 2012 (WRC-12) was organised by the ITU in Geneva, Switzerland, from 23 January-17 February 2012. During this high level conference – attended by over 3 000 participants, representing 165 out of 193 of the ITU's Member States – the ECO provided some valuable support to CEPT.

In collaboration with the CEPT coordinators of the Agenda Items of the WRC and the ECC Conference Preparatory Group (CPG) Chairman, the Office developed a weekly report providing information on the progress achieved in the course of the week.

The ECO also developed and maintained a messaging/chat system used



The messaging system was designed to dispatch short messages and emails with attachments, sent by CEPT coordinators to their corresponding contacts in administrations in order to keep CEPT members informed of the latest developments for each of the Agenda Items.

The chat system was introduced in order to allow discussion between CEPT delegates involved in different issues which can arise during a meeting.

Statistics for the CEPT messaging/chat system:

- 512 CEPT delegates registered to the system representing the 48 CEPT countries (plus representatives of the European Commission).
- 38 720 emails and SMS were sent from the system during the course of the WRC.
- 33 groups of recipients and 42 chat rooms were established.
- Up to 55 delegates were connected at the same time allowing real-time coordination amongst CEPT members during meetings.

ECC officials during the CEPT coordination meeting room during WRC-12: from left to right, Eric Fournier (CPG-12 Chairman), Steve Bond (CPG-12 Vice-Chairman), Gilles Brégant (France) and Thomas Ewers (ECC Chairman during WRC-12)

European Commission

The ECO continued its task of providing regular support to the ECC Chairman as observer at the Radio Spectrum Committee (RSC) of the European Commission. This meeting is a key interface between the Commission and the ECC in implementing the Radio Spectrum Decision, which defines the relationship between the two. In particular, the ECO prepared the summary report of ECC activity for each RSC meeting. We also prepared a regular EFIS database status report. The EFIS reporting in 2012 in RSC included updates on new developments in EFIS in the context of the spectrum inventory as set out in the Radio Spectrum Policy Programme and the role of EFIS to collect spectrum usage information from administrations for the spectrum inventory process. In addition, we gave a presentation at the EC's spectrum inventory related workshop in May 2012. Furthermore, we have played a leading role in the development of CEPT Reports in response to EC mandates across a range of issues during 2012, such as EFIS, SRDs, 169 MHz and UWB, which are important contributions to the working process in RSC.

The ECO also attends the Radio Spectrum Policy Group (RSPG) with the ECC Chairman. In 2012, we contributed to the detailed activities carried out in two RSPG working groups on sectoral spectrum needs and interference management respectively. Our role was to promote the relevant ECC deliverables and activities and to ensure that they are properly reflected in the draft RSPG Reports under development, thereby ensuring consistency in the approach of Member States to the subject in the EU framework.

The ECO participated in TCAM on a demand basis in 2012. A major achievement was our contribution to the review of the R&TTE Equipment Classes. It was also agreed that information about R&TTE Equipment Classes would be integrated in EFIS in 2012 where this information can be selected and shown together with other relevant information about the respective application and frequency range.

R&TTE CA and ADCO R&TTE

Following the agreement of June 2010 between the ECC, ETSI, R&TTE Compliance Association (R&TTE CA), and Administrative Co-operation in R&TTE (ADCO R&TTE reporting to TCAM) to strengthen the interorganisational co-operation in the R&TTE equipment compliance area, the ECO continued in 2012 to provide the interface for bridging the relevant processes in the ECC and other organisations.

The ECO regularly participated in plenary meetings of R&TTE CA in 2012, enabling us to provide an efficient liaison between the ECC and its specialist groups and R&TTE CA, informing the R&TTE CA about the relevant ECC deliverables and presenting the ECC's views on issues of mutual interest. We also delivered presentations on how the ECC website, document library ECODOCDB and EFIS can be used by Notified Bodies in issuing opinions on the compliance of R&TTE equipment with the 'essential requirements'. The ECO also reports on R&TTE activity to the ECC.

We also continued our co-operation with another major group of the European regulators in the R&TTE compliance area, namely ADCO R&TTE. The principal objectives for the ECO in this co-operation are to monitor the progress within ADCO R&TTE, assess the necessity of informing ECC entities, and to aid the conduct of joint activities, where appropriate. In 2012, we actively facilitated the exchange between ADCO R&TTE and the ECC on various issues related to market surveillance, including those associated with the introduction of risk assessment elements in the routine activities of market surveillance inspectors in European countries.

International Railways Union (UIC)

The ECO participates, as required, in the working group of the International Railways Union (UIC) that deals with GSM-R and other wireless railway applications. This supports the LoU between the UIC and the ECC and ensures a good information exchange between the organisations. For instance, in 2012, Thomas Weber from the ECO updated the UIC working group on the ongoing work within the ECC in relation to GSM-R and other wireless railway applications.

The achievements in 2012 included contributions to the fifth update process for the EC Decision for SRDs, revision of the ECC/DEC/(02)05, and changes in ERC/REC 70-03. Our cooperation with UIC also enables us to access the UIC interference database and this has helped to provide guidance to administrations in WG FM concerning the on-going GSM-R review.



Radio Amateur

In the context of our regular exchange with the International Amateur Radio Union (IARU Region I), the ECO hosted in May 2012 a traditional annual bilateral meeting with the IARU's representative in CEPT, Mr. Peter Frey (SUI). These meetings constitute a unique opportunity to discuss the most prominent issues for the European amateur radio community and also provide the opportunity for IARU RI, with its huge technical and practical expertise, to inform and get involved in the CEPT regulatory work process.

The ECO was also invited, for the second year, to take part in the so-called 'Field Day' of the Danish national radio amateur society 'EDR', a member of IARU, in September 2012. The 'Field Day' is a traditional annual radio amateur competition. This occasional face-to-face contact helps our administration of CEPT's role towards the amateur radio community run more smoothly.

Collaboration with academia and research projects whose work is relevant to the ECC's present and possible future work

As a follow-up from the activities initiated in 2011, the ECO has developed further its relations with academia and research programmes. After consultation with the ECC and its constituent bodies, we decided to focus on five areas of research activity which in the short term could influence the ECC work programme (namely: Ultra Wide Band, Wireless Machine-to-Machine communications, cognitive radio, IMT-Advanced systems, smart metering/smart grids). This process has, across the year, led to an increased and more direct involvement from academia in ECC activities which is one of the strategic goals on which we wish to build.

PROMOTION OF A REGULAR EXCHANGE OF VIEWS THROUGH WORKSHOPS AND TRAINING SESSIONS, AND EVENTS FOR NEWCOMERS

During 2012, the ECO organised workshops for some of our specialist audiences dealing with Cognitive Radio and Software Defined Radio and with Numbering, Naming and Addressing respectively. We have also developed one workshop on European spectrum management and numbering specifically designed for newcomers in the area of regulations and two training sessions for beginners on SEAMCAT®. Some details on these events are given below. Additional information on the workshops is available at: http://cept.org/ecc/topics/cept-workshops.

Workshop on Cognitive Radio (CR) and Software Defined Radio (SDR)

Mainz, Germany, 2-3 May 2012

The ECO coordinated this workshop organised by the ECC in cooperation with the 'COST-TERRA' research project. In addition, ETSI took part in the workshop by leading a session dedicated to standardisation issues. The event was kindly hosted by the German administration in the BNetzA premises in Mainz. More than 130 delegates heard about a wide range of industrial trials and initiatives, research work and regulatory progress towards enabling cognitive radio technology in Europe and elsewhere.

The workshop was arranged in five sessions:

- European and national CR/SDR regulation efforts;
- review of the state-of-the-art in European research and CR/SDR testing;
- practical implementation projects;
- standardisation and industry specification issues (under the ETSI coordination); and
- regulatory efforts regarding CR/SDR outside Europe.

The closing session, including the discussion of a questionnaire and some headline conclusions, was led by ECO Director; Mark Thomas, who summed up the ways in which the workshop would inform the ECC in taking forward its policy roadmap on cognitive radio, and help clarify its further workplan.

SEAMCAT Training Sessions

ECO, Copenhagen, Denmark, 5 June 2012 and 27 November 2012

With the release of version 4 of the SEAMCAT software, the ECO sought to reach new users of the more user-friendly tool and as a result organised two training sessions designed for beginners.

There were 35 and 11 participants for the June and November sessions respectively. The programme included presentations on the basics of SEAMCAT and its key functionalities as well as various exercises and interactive tutorials to get participants more familiar with the tool.

Second CEPT Workshop on European Spectrum Management and Numbering

ECO, Copenhagen, Denmark, 6 June 2012

Following the initiative taken in 2011, the ECO organised in June 2012 a second workshop specifically designed for newcomers in the telecoms area, both working for national regulators and in the industry, as well as for those with an interest in broadening their knowledge of modern regulation of telecommunications in Europe.

The workshop was attended by 30 participants. Presentations were delivered by experts from the Office and by Michael Sharpe (Vice-President, ETSI Standardization Projects). They addressed the following areas:

- General overview of CEPT, the ECC and its operational routine;
- General overview of the ITU-R activities;
- Introduction of the ECC activities on Numbering and Networks;
- Description of the European spectrum regulatory framework;
- ETSI activities on Harmonised Standards and R&TTE Directive;
- ECO activities (EFIS, SEAMCAT, CEPT website); and
- Current spectrum and numbering policy trends (Machine-to-machine communications, cognitive radio, Mobile Communications Network).





Discussion panel during the closing session of the Workshop



More than 130 delegates attended the event



Marc Le Devendec (ECO) left, and Michael Sharpe (ETSI)



Participants to the workshop

Workshop on Green Paper: Long Term Evolution in Numbering, Naming and Addressing 2012-2022 ECO, Copenhagen, Denmark, 7 June 2012

As convergence between traditional telecommunications networks and the Internet continues to gather momentum, the way we consume communications services will be transformed. This will have implications for the development of numbering policy in the years ahead and a coordinated approach to policy development will continue to remain a top priority for the ECC and ECO.

In order to address the policy challenges, the CEPT/ECC Working Group on Numbering and Networks (WG NaN) took the initiative to prepare a strategic plan in the form of a Green Paper for numbering, naming and addressing that sets out a vision for numbering in the year 2022. As part of a multi-stakeholder approach to developing the Green Paper, a workshop was organised and hosted by the ECO in Copenhagen on 7 June 2012. The workshop brought together interest groups, operators, users, ministries and national regulatory authorities involved in numbering, naming and addressing.

MANAGING OUR OPERATIONAL SERVICES

The ECO continues to be highly active across the wide range of professional services we provide for the ECC and CEPT. During 2012, we have focused on identifying opportunities to strengthen some of these services within our ongoing programme of development and enhancement which is tailored to the needs of our member countries and industry partners. Here's a summary of what we have achieved over the year.

Supporting the CEPT Presidency

In order to improve the cooperation between CERP and the Universal Postal Union (UPU), a draft Memorandum of Understanding (MoU) between CEPT and the UPU has been discussed between the two parties. The ECO has provided assistance to the CERP Chairman for the development of the text of the MoU and has conducted the internal approval process by correspondence with the CEPT administrations. The MoU is expected to be signed by the CERP Chairman, acting as CEPT Co-President, and the Director General of the UPU in April 2013.



Supporting Com-ITU

This year, the ECO has started a process, expected to be fully operational in 2013, towards increased support to Com-ITU.

The Committee, under our guidance, has made more comprehensive use of some features (e.g. meeting documents and meeting calendar areas, management of group membership, release of news on Com-ITU activities) offered by its website hosted within the CEPT portal and of electronic working methods developed by the Office (remote participation to meetings, either passive or active).



Com-ITU • Groups • Deliverables Tools & Services Com-ITU Meeting Documents Com-ITU Meeting Com-ITIL > & Com-IT

Com-ITU - Meeting documents Meeting calendar Forum Admin

Com-ITU elects two new Vice-Chairmen

At today's meeting of Com-ITU at the European Communications Office in Copenhagen, Mr. Frédéric Riehl of Switzerland and Dr. Ahmet Erding Çavuşoğlu of Turkey or switzenand and on, anime Eronic Cavagogio of funcey were both ratified as vice-chairmen of Com-TU. Chairman Mr. Marcin Krasuski, acknowledged the expertise and experience of both candidates and the valuable contributions they have made to the work of Com-ITU to date. He wished them every success in their respe terms as Com-ITU vice chairmen

Com-ITU Press Release - 6 December 2012 edit

Com-ITU sets out key outcomes for Europe from the ITU's

World Conference on International Telecommunications (WCIT-12) The WCIT-12 is currently (3-14 December 2012) going on in Dubai, United Arab Emirates.



In the context of the Com-ITU preparation for the World Conference on International Telecommunications (WCIT-12, 3-14 December 2012, Dubai, United Arab Emirates) organised by the ITU, the ECO expert on Numbering and Networks activities (NaN) has participated in a couple of Com-ITU meetings because of the relationships identified between some items addressed by Com-ITU and the ECC WG NaN activities. This fulfils the objective of increasing the synergy between these two Committees of the CEPT family.

edit

During the World Telecommunication Standardization Assembly (WTSA-12, 20-29 November 2012, Dubai, United Arab Emirates) and the WCIT-12, the messaging/chat system implemented by the ECO and already used during WRC-12 was made available to Com-ITU in order to support the CEPT coordination process prior to and during the meetings. The system was used by approximately 220 CEPT delegates. Up to 44 delegates were connected at the same time on the chat system allowing real-time coordination amongst CEPT members during meetings.

Managing CEPT's family of websites

Following the introduction of the new CEPT website in 2011, a series of improvements have been made over 2012. These have been organised in phases, prioritising firstly the Meeting Documents area and then the Meeting Calendar. The improvements have been necessary to make the operation of the websites smoother and easier to understand, and to address some aspects of the site's operation which were not optimal in light of experience in the early months of its use in 2011. Over the summer of 2012, a final round of other functional improvements was introduced and brought on-stream.

In addition the website has been updated from time to time with minor improvements and adjustments on an ad-hoc basis, taking due account of the feedback sent to us by users.

Number of registered users to the systems 2 560 Number of visits for 2012 652 000 Average number of visit per day | 785 Average visit length 16.23 min.

Developing new electronic working arrangements

During an extensive trial period completed in 2011, the ECO has gained the required expertise to respond to the growing needs for the organisation of web-meetings. These use the commercial 'GoToMeeting' system (or the GoToWebinar version for larger audience). In 2012, we have completed the integration of the GoToMeeting management system into the CEPT portal and brought it into practical use. All the management features made available for physical meetings are now also offered to web-meetings, such as the registration and notification processes, their inclusion into the meeting calendars of the respective groups and the possibility to create an associated folder in the meeting documents area.

leetings					
ate time	Group	Meeting / subject	Location	Virtual participation	Registration
0/08-12 10:00 - 0/08-12 12:30	SE 24	SE24-DG : Duty Cycle - SEAMCAT	Web-meeting	10:00 - 12:30	Registered Participants (1
1/08-12 15:00 - 1/08-12 17:00	SE 24	SE24 WI 42 - LTE-SRD	Web-meeting	15:00 - 17:00	Registered Participants (9
7/08-12 10:00 - 8/08-12 17:00	SE 24	SE24 - M08	Montegrotto, Italy	No	Registered Participants (3
0/09-12 15:00 - 0/09-12 17:00	SE 24	W139 (Wireless industrial)	Web-meeting	15:00 - 17:00	Registered Participants (9
1/09-12 10:00 - 1/09-12 12:00	SE 24	WI-41 ad-hoc GSM-R	Web-meeting	10:00 - 12:00	Registered Participants (5

With these features, the ECO continues to observe a steady increase of web-meetings. The main impact of such meetings appears to have been to increase the fluency and capacity of ECC work. In 2012, the ECO organised over 100 web-meetings with the GoToMeeting system ranging from small meetings of 2-3 people preparing draft Reports for review at a higher level to full-size meetings of project teams or correspondence groups. Average participation in web-meetings observed in 2012 was approximately 10 people per meeting (maximum 21 participants) and 2 web-meetings using the GoToWebinar system, one of them attracting more than 40 participants.

As regards remote participation in physical meetings, the ECO took another step forward in 2012 by providing its two large meeting rooms with the necessary technical facilities to enable easy remote participation, without the need for remote delegates to have to install any additional software on their computers.

Additional portable equipment allowing for physical meetings with remote participation beyond our premises was also purchased in 2012. With certain limitations, this should make it possible to use this working method at any CEPT location with access to the Internet. The last milestone in making remote participation in the ECC work more practical was the implementation on the CEPT website of the necessary functions allowing the management of both passive (only 'listen' mode) and active ('listen and talk' mode) remote participation, subject to the discretion of the relevant chairmen. This has been successfully used by Com-ITU.

However, remote participation in physical meetings is currently used to a much lesser extent compared to web-meetings which have become familiar to most of the people who participate in CEPT work on creating deliverables

Based on the feedback from various groups, frequently asked questions on Electronic Working Arrangements (EWA) directed to us, and the continuous internal evaluation of the efficiency of the provided EWA, we are continuously reviewing and developing the 'ECO Guidelines on EWA' available on the ECC website (see at http://www.cept.org/ecc/framework/ electronic-working-arrangements-(ewa)).



Extending the use of the new CEPT Forum

In 2012, the ECO has implemented the new CEPT Forum, now fully integrated into the CEPT portal, and several groups are currently using the new Forum as the main method for correspondence between physical and web-meetings. By way of an example, the WG FM Radio Amateur Forum Group (RAFG) is using the new CEPT Forum as their only working method.

All posts from the old ECO Forum (which has now been closed down by the Office) have been moved to the appropriate individual Forums of the relevant groups. Also, all posts for closed ECC groups have been moved to their individual Forums (which can be found under the 'Closed groups' section on the ECC website) in order to make the information available to existing and future groups in case there is a need for it.

Currently, subject to the decision of the group, each individual Forum can be made either public or restricted to the members of the group.



ECC V Groups V Deliverables V Tools and Services V Topics V ECC Meeting Documents ECC Me ECC > 66 ECC - Electronic Communications Committee > 66 ECC PTI - IMT Matters > Forum

CEPT ECC

ECC PT1 - IMT Matters - Meeting documents Meeting calendar Forum Admin

-0	rum									
S	end me notification when there is n	ew topics:						E 6	mail	
•	SWG-A (16) Spectrum Issues									
•	SWG-C (7) Sharing and Compatibility Issues							Create	Торі	c
•	SWG-C (7) Sharing and Compatibility Issues Topic	Created	Author	Files	Views	Posts	Latest P	Create Post	Торі	C
	SWG-C (7) Sharing and Compatibility Issues Topic 700 MHz BEM	Created 08.05.2013 14:03	Author Alexander Gulyaev	Files	Views	Posts	Latest P	Create Post	Topi	с Э
	SWG-C (7) Sharing and Compatibility Issues Topic 700 MHz BEM MFCN SDL in the 1452-1492 MHz	Created 08.05.2013 14:03 29.10.2012 17:58	Author Alexander Gulyaev Alexander Gulyaev	Files 1 9	Views 55 245	Posts 2 14	Latest P 07.06.201 19.04.201	Create Post 13 12:23 13 10:33		2
	SWG-C (7) Sharing and Compatibility Issues Topic 700 MHz BEM MFCN SDL in the 1452-1492 MHz Coexistence between TDD networks	Created 08.05.2013 14:03 29.10.2012 17:58 30.05.2012 11:05	Author Alexander Gulyaev Alexander Gulyaev Heykel Houas	Files 1 9 1	Views 55 245 103	Posts 2 14 5	Latest P 07.08.201 19.04.201 21.12.201	Create Post 13 12:23 13 10:33 12 19:39		c x x

Enhancing the quality of the SEAMCAT spectrum analysis tool

SEAMCAT (Spectrum Engineering Advanced Monte Carlo Analysis Tool) is a software tool, developed by the Office, based on the Monte-Carlo simulation method which permits statistical modelling of different radio interference situations. It has been developed to deal with a diversity of complex spectrum engineering and radio compatibility problems.

The ECO's work on SEAMCAT during 2012, in cooperation with the SEAMCAT Technical Group (STG) an entity of the ECC Working Group Spectrum Engineering (WG SE), was focused on a major redesign of the user interface to allow easier access to the simulation parameters from a visual point of view, and harmonisation and improvement of the Graphical User Interface (GUI).

New features like 'News', 'Welcome', 'History', or the new redesign of the propagation plugin model make the experience with SEAMCAT more intuitive and friendly for regular users but also for users who need to have access to the tool on a less regular basis.

Quality control has been improved by using a benchmarking process of the various mathematical algorithms of the tool using Java Unit facilities (i.e. allowing an automated test routine).



A survey on SEAMCAT usage indicated that in 2012 around 1 000 people have downloaded the latest release of SEAMCAT from both CEPT and non-CEPT countries.



Overview of the visit per country to the SEAMCAT download page for 2012 (www.seamcat.org)

Managing the ECO Documentation Database – ECODOCDB

The ECO Documentation Database continued to provide an important online resource for users wanting to access ECC Decisions, Recommendations and Reports, and CEPT Reports.

In 2012, around 351 000 people visited the ECODOCDB, representing about 960 visits per day. In total, more than 1 000 000 document downloads were made from the database.



The overview of the most downloaded documents reflects the issues of most interest to people visiting the website such as: frequency regulatory information (ERC Report 25 which contains the European common table of frequency allocations and applications (ECA)), wireless short range applications (ERC Recommendation 70-03), cognitive radio issues (ECC Report 159), Digital Dividend (CEPT Report 30, ECC Report 148) and Mobile issues (ECC Report 103, ECC Report 146, ECC Report 174, ECC Report 82, ECC Report 96).

Gaining consensus through public consultations

In 2012, we carried out 33 public consultations which were used to inform the substance of new or revised ECC deliverables, all of which were published. Nine of these related to ECC Decisions, four to ECC Recommendations, sixteen to ECC Reports and four to CEPT Reports in response to mandates from the EC. The responses received to the consultations were analysed by ECO experts, distributed to the relevant working groups for careful consideration and taken fully into account in the decision-making process.

Providing a forum for debate

We hosted 43 meetings in 2012 at our offices in Copenhagen bringing together over 970 participants from around Europe for a total of 92 meeting days.





CPG-PTC meeting at the ECO, Copenhagen, 11-13 December 2012 with 52 participants

Improving ECC deliverables through questionnaires

In 2012, the ECO sent out and analysed the responses to 14 questionnaires to administrations (in some cases, the industry was also consulted) in the 48 CEPT countries. These questionnaires are a central element of research to many of the ECC's deliverables. The following is a list of questionnaires conducted in 2012.

QUESTIONNAIRES

Questionnaire on Number Portability

Questionnaire related to tasks Nos 4 and 5 of the 'Mandate to CEPT on ind of use for all uses of spectrum between 400 MHz and 6 GHz' – Decision 24

Collection of Country-related M2M information (November 2012 update)

Questionnaire on the possible revision of ECC Decision (08)08 on the harm board vessels in the frequency bands 880-915/925-960 MHz and 1710-1785

Possible use of Short Range Devices (SRD) in the frequency band 862-863

Current and future usage of the frequency bands 870-876 MHz and 915-92

Implementation of BFWA in the frequency band 5 725-5 875 MHz according

Questionnaire on the regulatory procedures used by administrations in gran

Information on assigned Mobile Network Codes in CEPT Countries

ECO Report 03 - update of information

WGFM questionnaire on the current status of DFS (Dynamic Frequency Sel

WG FM questionnaire on the current and future usage of frequency band 2

ECO questionnaire on the Usage of LLXY number range

Collection of country-related M2M information (January 2012 update)

	Replies received
	25
clusion in EFIS of information on rights 007/344/EC	34
	15
nonised use of the GSM system on 5/1805-1880 MHz	24
MHz	42
21 MHz	43
ng to ECC Recommendation (06)04	38
nting access to spectrum for PMSE	32
	28
	27
lection) in the 5 GHz frequency range	33
2300-2400 MHz	40
	25
	26

SECTION THREE

STRUCTURE AND GOVERNANCE

Thirty one countries are now Contracting Parties to the 'Convention for the establishment of the European Communications Office' which defines the terms of reference for the ECO and its funding arrangement, since Latvia joined in as a Contracting Party in May 2012.

The ECO Council

The ECO is governed by the Council, consisting of representatives of the Contracting Parties to the Convention. The Council has responsibilities which include agreeing the ECO's budget and work programme on an annual basis. These are prepared by ECO staff under the guidance of the Director. The draft Work Programme is informed by the ECC's Strategic Plan and discussions between the responsible ECO staff member and the ECC (its Working Groups and Project Team Chairmen), as well as other parties for whom the ECO works, notably Com-ITU and the CEPT Presidency. The ECO Convention also states that the ECO's work programme should be based on proposals from the CEPT Committees. The Council is also responsible for appointing the Director of the Office. The Council's preferred method of working is by consensus.

Mr. Geir Jan Sundal (Norway, also ECC Vice-Chairman) has been Chairman of the Council since his election in November 2011, with Mr. Peter Pauli (Switzerland) being the Vice Chairman.



The ECO Council during its seventh meeting in November 2012



Vice-Chairman Mr Peter Pauli (left) and Chairman Mr Geir Jan Sundal

FINANCIAL SUMMARY

The ECO was approximately 96% financed by the following 31 countries in 2012¹:

Austria, Belgium², Bulgaria, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Liechtenstein, Luxembourg, Monaco, Montenegro, the Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and Vatican City.

The remainder is from directly funded services (e.g. administration of the CEPT and the Satellite Memorandum of Understanding) and income from investments of the ECO's net capital.

The following figures provide a financial summary for 2012. The negative operating balance is in line with the goal to reduce gradually the net capital of the ECO.

Financial Summary 2012

	DKK	EUR
INCOME	18 367 823	2 461 288
EXPENDITURE		
Staff Costs (salaries, pension contributions, etc.)	12 261 925	I 643 098
Running Expenses (outsourcing, projects, professional fees, travel)	4 612 230	618 039
Office Facilities (rent, building related expenses)	2 459 406	329 560
Expenditure total	19 333 561	2 590 697
Operating balance for end of year	-965 738	-129 409

Based on exchange rate of DKK I = EUR 0.134

1 Latvia, which joined the ECO Convention in May 2012, will start contributing to the financing of the ECO in 2013. 2 Belgium is not one of the Contracting Parties to the ECO Convention but contributes to the financing of the ECO, and attends Council meetings.







ECO Peblingehus Nansensgade 19 DK-1366 Copenhagen Denmark

T +45 33 89 63 00 E eco@eco.cept.org www.cept.org/eco