



INTERNATIONAL TELECOMMUNICATION UNION

**ITU WORKSHOP ON MARKET
MECHANISMS FOR SPECTRUM
MANAGEMENT**

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ITU SURVEY ON RADIO SPECTRUM MANAGEMENT

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All materials relating to this survey and the Workshop on Market Mechanisms for Spectrum Management in general can be found at <http://www.itu.int/spectrum>

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The views expressed in the paper are those of the authors and do not necessarily reflect the opinions of ITU or its membership.

If you have any comments, or would like to provide any additional information, please contact the ITU Strategy and Policy Unit (SPU) at spectrum@itu.int

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1 INTRODUCTION

The Radio Spectrum is a key resource employed in many essential services in our society: TV and radio broadcasting, transport, radio location, and other applications (alarms, remote controls, medical equipment, etc.). Radio technology also supports public services such as defence, public safety and scientific activities (e.g. meteorology and space research).

The radio spectrum is a limited natural resource. Its management was not an issue few years ago when the number of users was limited. However, developments in technology, regulation, market demands coupled with the growing popularity of wireless communication services, have increased its demand significantly¹.

Such rapid development implies that national and international organizations deal effectively with the assignment of frequencies, to reach a satisfying level of efficiency. In fact, the efficient use of spectrum can stimulate growth; competitiveness and employment. Conversely, inefficiencies in the distribution and use of spectrum create cost; wasted opportunities for businesses and reduce the uptake of innovative services to the detriment of consumers.

The debate on policies to be adopted by national and international regulators is remarkably commanding broad public opinion. On the 22nd and the 23rd January 2007, the Workshop on “Market Mechanisms for Spectrum Management²” will be held at ITU Headquarters, Geneva, Switzerland. This two-day event will serve as a forum for policy-makers, wireless user groups, experts and industry players to exchange information and experiences derived from radio spectrum management within the current climate of technological change and convergence.

The workshop will tackle various radio spectrum management issues: for example, the relevance of international and national service definitions for radio spectrum, in addition, attention will be placed on the role of market forces in spectrum allocation and assignment as well as on issues related to the unlicensed portions of the spectrum. Experiences of individual countries will help stimulate the discussions.

The workshop will examine the use of market mechanisms for both primary allocation of spectrum (e.g., auctions) and for secondary trading. It will look at recent trends in ITU Member States, the increasing demand for spectrum and will examine future challenges in developing policies for access to radio spectrum.

In preparation for this two-day workshop, the International Telecommunication Union (ITU) has conducted a survey³ which aims to gather information on the most important issues related to spectrum management policies around the world, including details of the initiatives undertaken by authorities responsible for the allocation of radio frequencies in each country.

This document represents a snapshot synthesis of responses received from ITU Member States.

¹ In the telecom sector, for instance, the introduction of cellular and WLL services has led the growth in the demand of spectrum.

² All workshop information, including a number of background resources on regional and national initiatives as well as some background information on spectrum management policy and regulation in general is available at www.itu.int/spectrum

³ Some of the data was drawn from the annual Telecommunication Regulatory Survey, which is sent to all ITU Member States by the Regulatory Reform Unit (RRU) of the ITU's Development Sector (ITU-D).

1.1 Survey Results

The following section provides the responses to the survey recently conducted on radio spectrum management worldwide.

The survey constitutes a brief introduction explaining the spectrum policy and planning of each country, the relevant laws and the authority responsible for dealing with radio spectrum. The embedded web links in the electronic version of this document, together with the contact information, provide a portal to obtain a much more complete set of information.

The Survey was sent to all ITU Member States and the responses have been classified according to the UN classification into the following regions: Africa, Americas, Asia, Europe and Oceania.

1.1.1 AFRICA

1.1.1.1 Algeria

General information	Spectrum Authority Autorité de Régulation de la Poste et des Télécommunications
	Contact Details Location: Autorité de Régulation de la Poste et des Télécommunications Alger Algeria Postal Address: Autorité de Régulation de la Poste et des Télécommunications 1, rue kaddour RAHIM Hussein Dey 16008 ALGER. International Telephone: 213 2147 0205 Fax: 213 2147 0197 E-mail: N/A Website: http://www.arpt.dz/index.htm
Spectrum Policy and Planning	Introduction N/A
	Legislation For information on legislation please visit: http://www.arpt.dz/textes/Lois/F2000048.pdf
	Radio Frequency Register For information on frequency registration please visit: http://www.arpt.dz/Autorisation.htm
Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.arpt.dz/Bulletin_trim.htm• http://www.afridigital.net/country_profile.php?id=11
	Reports <ul style="list-style-type: none">• http://www.arpt.dz/rap_annuel.htm

1.1.1.2 Angola

<p>General information</p>	<p>Spectrum Authority Instituto Angolano das Comunicações</p>
	<p>Contact Details</p> <p>Location: Instituto Angolano das Comunicações Av. de Portugal, 92/7ª andar Luanda Angola</p> <p>Postal Address: Instituto Angolano das Comunicações Av. de Portugal, 92/7ª andar Luanda ; Angola</p> <p>International Telephone : 244 233 8352</p> <p>Fax: 244 233 9356</p> <p>E-mail: incom.dg@netangola.com</p> <p>Website: http://www.inacom.og.ao (Portuguese Only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Angola is member of Telecommunication Regulatory Association of southern Africa (TRASA). TRASA provides recommendation on wired and wireless communication and regulation to its member countries.</p> <p>For more information please visit: http://africa.rights.apc.org/index.shtml?apc=ne_1&x=30288</p>
	<p>Legislation</p> <p>It uses The Telecommunications Act, 1999 and the Telecom Sector Policy, July 2001 revised October 2002 for the management of spectrum.</p>
	<p>Radio Frequency Register</p> <p>There is no national frequency allocation table. It uses region 2 allocation in article 5 of the radio regulation. It uses the frequency allocation table of the United States of America as a reference for services.</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.inta.gatech.edu/michael_best/wireless.pdf • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ANGOLA.doc • http://www.afridigital.net/country_profile.php?id=10
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.3 Bénin

<p>General information</p>	<p>Spectrum Authority Ministère de la Communication et de la Promotion des Technologies Nouvelles (Ministry of communication and promotion of new Technology)</p>
	<p>Contact Details</p> <p>Location: M. Fréjus Bocco Ministère de la Communication et de la Promotion des Technologies Nouvelles COTONOU Bénin</p> <p>Postal Address: M. Fréjus Bocco Ministère de la Communication et de la Promotion des Technologies Nouvelles COTONOU Bénin</p> <p>International Telephone: 229 315 729</p> <p>Fax: 229 315 931</p> <p>E-mail: sg@communication.gouv.bj</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The allocation of spectrum is done by the ministry but the supervision of the used spectrum is done by l'autorité de régulation des postes et telecommunications. The government is planning to form a database of spectrum usages.</p> <p>For more information please visit: http://www.itu.int/ITU-D/treg/Events/Seminars/ITU-EC-Project/Ghana/modules/FinalDocuments/Spectrum.pdf</p>
	<p>Legislation</p> <p>Article 1 of Decree 2001 444 of November 5, 2001</p> <p>For more information please visit: http://africa.rights.apc.org/research_reports/benin.pdf</p>
	<p>Radio Frequency Register</p> <p>GSM operators have to pay the fee for the use of spectrum.</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> http://www.afridigital.net/country_profile.php?id=31
	<p>Reports</p> <ul style="list-style-type: none"> N/A

<p>General information</p>	<p>Spectrum Authority Botswana Telecommunications Authority Engineering Service Department</p> <hr/> <p>Contact Details</p> <p>Location: Botswana Telecommunications Authority 206/207 Independence Avenue, Gaborone</p> <p>Postal Address: Botswana Telecommunications Authority Private Bag 00495 Gaborone, Botswana</p> <p>International Telephone : 395 7755</p> <p>Fax: 3957 976</p> <p>E-mail: info@bta.org.bw</p> <p>Website: www.bta.org.bw/index.html</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Authority is the licensing body for telecommunications services, networks and radio frequency uses. Monitoring of the spectrum is done by three departments frequency management department (35%) , enforcement department (20%) and licensing department.(45%) To ensure the integrity of the public network, the Authority approves terminal equipment that is connected to the public network.</p> <hr/> <p>Legislation</p> <p>It uses Telecommunication Act, 1996 (No.15 of 1996) for the frequency management and collecting licenses fees. For more information on licenses issued please visit http://www.bta.org.bw/licensing.html</p> <hr/> <p>Radio Frequency Register</p> <p>There is national frequency allocation spectrum table from 960-3000MHz. The upper frequency limit of the transportable mobile station is 3GHz and upper frequency limit of the transportable direction finding station is 3GHz. For information on national frequency registration please visit: http://www.bta.org.bw/pubs/National%20Frequency%20Table%20and%20Footnotes.pdf</p> <p>Railways, Civil Aviation, Police and Defence Force are exempted from frequency fees</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.bta.org.bw/publications.html • http://www.afridigital.net/country_profile.php?id=6 • http://www.itu.int/ITU-D/study_groups/SGP_20022006/JGRES09/BOTSWANA1.doc

	<p>Reports</p> <ul style="list-style-type: none">• N/A
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1.1.1.5 Burkina Faso

General information	<p>Spectrum Authority Autorité Nationale de Régulation des Télécommunications du Burkina Faso</p>
	<p>Contact Details</p> <p>Location: Autorité Nationale de Régulation des Télécommunications du Burkina Faso Ouagadougou Burkina Faso</p> <p>Postal Address: Autorité Nationale de Régulation des Télécommunications du Burkina Faso 01 BP 6437 Ouagadougou 01 Burkina Faso</p> <p>International Telephone: 00 226 5033 4198</p> <p>Fax: 00 226 5033 50 39</p> <p>E-mail: secretariat@artel.bf</p> <p>Website: http://www.artel.bf/ (French only)</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>Legislation pertaining to spectrum usage and allocation can be found by following these links:</p> <ul style="list-style-type: none"> • http://www.artel.bf/page3.html (French only) • http://www.artel.bf/page4.html (French only) • http://www.artel.bf/page5.html (French only)
	<p>Radio Frequency Register</p> <p>http://www.artel.bf/page5.html (French only, in progress)</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.artel.bf/FichierFrequences1.doc (French only) • http://www.afridigital.net/country_profile.php?id=47 • http://www.itu.int/ITU-D/study_groups/SGP_20022006/JGRES09/BURKINAFASO.doc (French only)
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.6 Burundi

General information	<p>Spectrum Authority Ministry of Transport, Post and Telecommunications</p>
	<p>Contact Details</p> <p>Location: Bujumbura, BURUNDI</p> <p>Postal Address: Ministere Des Transports, Postes Et Telecommunications Boite Postale 2000 Bujumbura, BURUNDI</p> <p>International Telephone : 257 22 2923</p> <p>Fax: 257 22 3100</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>In Burundi, WiFi has to be licensed and is limited to indoor use.</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=51 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/BURUNDI.doc (French only)
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.7 Cameroon

Cameroon	
General information	<p>Spectrum Authority Cameroon Ministry of Posts and Telecommunications</p>
	<p>Contact Details</p> <p>Location: Yaounde, Cameroon</p> <p>Postal Address: Cameroon Ministry of Posts and Telecommunications Yaounde, Cameroon</p> <p>International Telephone: 237 773 5757</p> <p>Fax: 237 223 1510</p> <p>E-mail: albert.kamga@ties.itu.int</p> <p>Website: http://www.minpostel.gov.cm (French only)</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>http://www.minpostel.gov.cm/francais/index_fr.htm (French only)</p>
	<p>Legislation</p> <ul style="list-style-type: none"> • http://www.minpostel.gov.cm/francais/Loi%20rel%20concurr.pdf • http://www.minpostel.gov.cm/francais/loi98014%20Regissant%20les%20telcm%20au%20camer.pdf • http://www.minpostel.gov.cm/francais/Loi%20Sce%20Min%20Télcoms.pdf (French only) • http://www.minpostel.gov.cm/francais/Modifiant%20et%20complétant%20certaines%20dispositions.pdf • (French only)
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CAMEROON.doc • http://www.afridigital.net/country_profile.php?id=23 (French only)
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.8 Cape Verde

General information	<p>Spectrum Authority Institute of Communications and Information Technologies</p>
	<p>Contact Details</p> <p>Location: Instituto das Comunicações e das Tecnologias de Informação Praia; Cape Verde</p> <p>Postal Address: Instituto das Comunicações e das Tecnologias de Informação Edifício MIT, Ponta Belém C.P. N.º 892 - Praia</p> <p>International Telephone: 238 261 5779</p> <p>Fax: 238 261 3069</p> <p>E-mail: info@icti.gov.cv</p> <p>Website: www.icti.cv</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>Institute of Communications and Information Technologies is responsible for managing spectrum, designing frequency table, and distributing spectrum license.</p>
	<p>Legislation</p> <p>For information on legislation please visit: www.icti.cv/legislaengl.html</p>
	<p>Radio Frequency Register</p> <p>For more information on registration of Radiocommunication fees and allocations please visit: www.icti.cv/PDF/Regulation_39_99.pdf</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=16
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.9 Central African Republic

<p>General information</p>	<p>Spectrum Authority Ministry for Posts and Telecommunications</p>
	<p>Contact Details</p> <p>Location: Rue Gallieni ,BANGUI Central African Republic</p> <p>Postal Address: N/A</p> <p>International Telephone: 236 615622</p> <p>Fax: 236 612313</p> <p>E-mail: yongoro@intnet.cf</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The authority is responsible for managing and licensing the spectrum.</p>
	<p>Legislation</p> <p>It uses the act n°011/MTACPT-CAB.SG.DGSOCATEL du 24/08/91 for the management of frequency.</p>
	<p>Radio Frequency Register</p> <p>Frequency registration is recommended but not compulsory in Central African Republic. Wi-Fi for indoor use is exempted.</p> <p>For more information please visit: http://www.volweb.cz/horvitz/os-info/central-african-republic.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CEPT1.doc • http://www.afridigital.net/country_profile.php?id=40 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CENTRALAFRICA.doc
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Ministere Des Postes Et Des Telecommunications
	Contact Details Location: N'Djamena, CHAD Postal Address: Boite Postale 154 N'Djamena, CHAD International Telephone: 235 51 4164 Fax: N/A E-mail: N/A Website: N/A
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=52
	Reports <ul style="list-style-type: none"> • N/A

Comoros	
General information	Spectrum Authority L'office des Postes et des Telecommunications
	Contact Details <div style="background-color: #e0e0e0; padding: 5px;"> Location: Moroni, COMOROS Postal Address: L'office Des Postes Et Des Telecommunications P.O. Box 5000 Moroni, COMOROS International Telephone: 269 730 610 Fax: 269 731 079 E-mail: N/A Website: N/A </div>
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> http://www.afridigital.net/country_profile.php?id=30 http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/COMORES1.doc (French only)
	Reports <ul style="list-style-type: none"> N/A

1.1.1.12 Congo

General information	<p>Spectrum Authority L'office National Des Postes Et Des Telecommunications</p>
	<p>Contact Details</p> <div style="background-color: #cccccc; padding: 5px;"> <p>Location: Avenue Patrice Lumumba Brazzaville, CONGO</p> <p>Postal Address: Avenue Patrice Lumumba Brazzaville, CONGO</p> <p>International Telephone: 242 831 686</p> <p>Fax: 242 835 938</p> <p>E-mail: N/A</p> <p>Website: N/A</p> </div>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://itc.mit.edu/itel/Docs/2004/ITS_paper_net0_best_gillett.pdf • http://www.afridigital.net/country_profile.php?id=18
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Agence des Télécommunications de Côte d'Ivoire
	Contact Details Location: Abidjan 18 - Ivory Coast Postal Address: Arrange Telecommunications of Ivory Coast (ATCI) Real street Lecœur Postel 2001 4th stage 18 BP 2203 Abidjan 18 - Ivory Coast International Telephone: 225 20 344 374 Fax: 225 20 344 375 E-mail: courrier@atci.ci Website: www.atci.ci/
Spectrum Policy and Planning	Introduction Agence des Télécommunications de Côte d'Ivoire is responsible for managing and allocating spectrum. However, CNCA (Le Conseil National de la Communication Audiovisuelle) manages broadcasting spectrum. For more information please visit: www.itu.int/ITU-D/treg/Events/Seminars/ITU-EC-Project/Ghana/modules/FinalDocuments/Spectrum.pdf
	Legislation For information on legislation of Côte d'Ivoire please visit: www.atci.ci (French only)
	Radio Frequency Register Spectrum is awarded on demand.
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/COTEDIVOIRE.doc • http://www.afridigital.net/country_profile.php?id=19
	Reports <ul style="list-style-type: none"> • N/A

1.1.1.14 Djibouti

General information	Spectrum Authority Office Des Postes et des Télécommunications
	Contact Details <div style="background-color: #cccccc; padding: 5px;"> Location: Boulevard de la R, publique Djibouti, DJIBOUTI Postal Address: Boulevard de la R, publique Djibouti, DJIBOUTI International Telephone: 253 350 669 Fax : 253 355 757 E-mail: N/A Website: N/A </div>
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> http://www.afridigital.net/country_profile.php?id=17
	Reports <ul style="list-style-type: none"> N/A

<p>General information</p>	<p>Spectrum Authority National Telecommunication Regulatory Authority</p> <hr/> <p>Contact Details</p> <p>Location: National Telecommunication Regulatory Authority Cairo Egypt</p> <p>Postal Address: Smart Village Building No.4 Cairo/Alex Road Killo 28</p> <p>International Telephone 202 534 4000</p> <p>Fax: 202 534 4155</p> <p>E-mail: info@tra.gov.eg</p> <p>Website: http://www.tra.gov.eg/english/DPages_DPagesDetails.asp?ID=212&Menu=1</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>NTRA evacuates required frequency band for new services and monitors and inspects illegal use of frequencies. In addition, it co-ordinates with its neighboring countries for the interference less wireless services.</p> <hr/> <p>Legislation</p> <p>It uses law 66 at 1979 to govern national spectrum management. It uses Ministerial decree No. 66- 1979 to collect fees.</p> <p>For information on Legislation pertaining on spectrum usage and allocation please visit: www.ntra.gov.eg/english/dpages_dpagedetails.asp?ID=231&Menu=1</p> <hr/> <p>Radio Frequency Register</p> <p>The NTRA issued a frequency spectrum chart in April 2004. The chart has allocated 25 services over the frequency spectrum ranging from 9 kHz to 300 GHz. For the information on national radio frequency spectrum allocation please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/EGYPT.doc</p> <p>Some government entities are wholly exempted from spectrum fees.</p> <p>For the information on frequency registration and allocation please visit: http://www.ntra.gov.eg/EgyAllocChart.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.ntra.gov.eg/english/DPages_DPagesDetails.asp?ID=359&Menu=7 • http://www.afridigital.net/country_profile.php?id=14

	<ul style="list-style-type: none">• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/EGYPT.doc
	Reports <ul style="list-style-type: none">• http://www.ntra.gov.eg/presentations/Spectrum%20Mangment_B.ppt

1.1.1.16 Equatorial Guinea

General information	Spectrum Authority Ministry of Communications and Transport Department of Telecommunication
	Contact Details Location: MALABO Equatorial Guinea Postal Address: N/A International Telephone: 240 92365 Fax: 240 92919 E-mail: N/A Website: N/A
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=22
	Reports <ul style="list-style-type: none"> • N/A

1.1.1.17 Eritrea

<p>General information</p>	<p>Spectrum Authority Ministry of Transport & Communications Communication Department</p> <hr/> <p>Contact Details</p> <p>Location: Asmara, Eritrea</p> <p>Postal Address: Ministry of Transport and Communications Maritime Transport Department PO Box 679 or 1120 Asmara Eritrea</p> <p>International Telephone: 291 126 965</p> <p>Fax: 291 112 6966</p> <p>E-mail: zerait@eol.com.er</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The communication department is responsible for managing and licensing spectrum. Frequency fees are paid to the ministry.</p> <hr/> <p>Legislation</p> <p>The authority uses Proclamation no.102/08 on National Telecom policy to manage spectrum. The regulation on spectrum fees collection has been drafted. Our proclamation no. 102/98 to review and update frequencies fees.</p> <p>For more information please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ERITREA.doc</p> <hr/> <p>Radio Frequency Register</p> <p>ISPs have to pay fee to use the spectrum. However, some spectrums are free. For information on nation frequency registration from 960 to 3000 MHz please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ERITREA.doc</p> <p>UN organizations are fully exempted and emergency and humanitarian organizations are partially exempted from the spectrum fees.</p> <p>For more information please visit: http://itc.mit.edu/itel/Docs/2004/ITS_paper_netto_best_gillett.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://itc.mit.edu/itel/Docs/2004/ITS_paper_netto_best_gillett.pdf • http://www.afridigital.net/country_profile.php?id=49

	<ul style="list-style-type: none">• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ERITREA.doc
	Reports <ul style="list-style-type: none">• N/A

<p>General information</p>	<p>Spectrum Authority Ethiopia telecommunication agency.</p>
	<p>Contact Details</p> <p>Location: Addis Ababa, Ethiopia</p> <p>Postal Address: Bekelobet, Tegene Building Kirkos District, K02/03, House No. 542 P.O.Box 9991 Addis Ababa Ethiopia</p> <p>International Telephone: 251 11 466 8203</p> <p>Fax: 251 11 465 5763</p> <p>E-mail: frequency@eta.gov.et</p> <p>Website: http://www.eta.gov.et/Button/Spectrum.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Ethiopia telecommunication agency is an independent body that manages, coordinates and monitors the frequencies to be used by telecommunication, radio communication services and television broadcasting.</p> <p>For more detail please visit : http://www.eta.gov.et/Button/Spectrum.htm</p>
	<p>Legislation</p> <p>The agency uses article 15 and 16 of telecommunication proclamation No. 49/1996 for the management and authorization of radio frequency.</p> <p>The agency uses Article 6 sub-article 10 of Telecommunication Proclamation No. 49/1996 (as amended) and Article 53 Sub-Article 2 of Council of Ministers Regulations No. 47/1999 for the collection of fees.</p> <p>For more information please visit: www.eta.gov.et/Button/Word/(engtikimit10final)directive%20for%20license-%20feeII.htm</p>
	<p>Radio Frequency Register</p> <p>All frequencies should be registered and licensed .</p> <p>There are radio communication equipment license fee and radio frequency spectrum fee. Radio communication evaluation fees and the radio frequency spectrum fee should be paid annually; however, there is no license renewal fee for radio communication.</p> <p>For information on frequency allocation table from 960-3000MHz please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ETHIOPIA.doc</p> <p>For more information please visit: www.eta.gov.et/Button/Word/(engtikimit10final)directive%20for%20license-%20feeII.htm</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ETHIOPIA.doc• http://www.afridigital.net/country_profile.php?id=53
	Reports <ul style="list-style-type: none">• N/A

1.1.1.19 Gabonese	
General information	Spectrum Authority GABON Telecom
	Contact Details Location: Libreville; Gabonese Postal Address: GABON Telecom Immeuble Delta Postal B.P. 40000 Libreville; Gabonese International Telephone: 241 787124 Fax: 241 741 909 E-mail: clotaire.elangman@gabontelecom.ga Website: N/A
Spectrum Policy and Planning	Introduction N/A
	Legislation It uses the Law 005/2001, Chapter 6 for the management of spectrum. For more information please visit: http://www.volweb.cz/horvitz/os-info/gabon.html
	Radio Frequency Register For information on frequency allocation please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/GABON1.doc
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/GABON1.doc • http://www.afridigital.net/country_profile.php?id=4
	Reports <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Department of State for Communications, Information and Technology (DOSGIT)
	Contact Details Location: MDI Road, Kanifing Postal Address: Department of State for Communication, Information And Technology, New GRTS Building, MDI Road, Kanifing Gambia International Telephone: 220 437 8000 Fax: 220 437 8066 E-mail: doscit@gamtel.gm Website: http://www.doscit.gm/
Spectrum Policy and Planning	Introduction DOSGIT is responsible for the management and distribution of spectrum. For more information please visit: http://www.doscit.gm/ictpolicies.html
	Legislation It uses its national law for the management of spectrum.
	Radio Frequency Register DOSGIT is planning to auction the radio license to attract both domestic and foreign investors. For more information please visit: http://www.doscit.gm/ictpolicies.html
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=39
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority National communication authority</p>
	<p>Contact Details</p> <p>Location: 1st Rangoon Close , Cantonments</p> <p>Postal Address: P.O. Box CT 1568 Cantonments Accra, Ghana West Africa</p> <p>International Telephone: 233 021 776 621</p> <p>Fax: 233 021 763 449</p> <p>E-mail: nca@nca.org.gh</p> <p>Website: http://www.nca.org.gh/ncatemp/spectrum_issues.asp</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>National Communication authority is responsible for handling spectrum management in Ghana. Its mission is to provide radio spectrum easily to its users and its purpose is to develop Ghana in the filed of communication through the proper use of radio spectrum.</p> <p>For more detail please visit: http://www.nca.org.gh/ncatemp/spectrum_freq_mana.asp</p>
	<p>Legislation</p> <p>The authority issue the license in accordance with Regulation 127 of the National Communications Regulations, LI.1719 of 2003</p>
	<p>Radio Frequency Register</p> <p>Radio license is served in the first come first serve basis.</p> <p>The authority issues class I and class II license. Fixed telephone, cellular telephone and carrier services falls under class I license, whereas paging, VSAT, private radio license falls under class II license. User has to pay application fee, initial charges and annual renewal fee.</p> <p>For more detail please visit: http://www.nca.org.gh/ncatemp/licensing.asp#fs</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/treg/Events/Seminars/ITU-EC-Project/Ghana/modules/FinalDocuments/Spectrum.pdf • http://www.afridigital.net/country_profile.php?id=32
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.22 Guinea (Republic of)

General information	Spectrum Authority Ministry of Communication Direction Nationale des Postes et Télécommunications (DNPT)
	Contact Details Location: Conakry République de Guinée Postal Address: B.P 5000 Conakry République de Guinée International Telephone: 224 414 079 Fax: 224 453 116 E-mail: koly@sotelgui.net.gn Website: N/A
Spectrum Policy and Planning	Introduction DNPT is responsible for managing, distributing and licensing spectrum.
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=21
	Reports <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Institut des Communications de la Guinée-Bissau
	Contact Details Location: Bissau - Republic of Guinea-Bissau Postal Address: Docteur Anésimo Da Silva Cardoso Chairman of the Board of the Guinea-Bissau Communications Institute Avenida Domingos Ramos, n°53 CP 1372, Bissau - Republic of Guinea-Bissau International Telephone: 245 204 873 Fax: 245 204 876 E-mail: icgb@mail.bissau.net Website: www.icgb.org/
Spectrum Policy and Planning	Introduction Institut des Communications de la Guinée-Bissau works jointly with Ministère de la Communication Sociale to manage spectrum.
	Legislation The authority uses the telecommunication law to provide access to the radio frequency spectrum. The detail law is described in the following URL. http://www.icgb.org/english/decree399.html
	Radio Frequency Register The authority assign the spectrum in first come first serve basis with the public agreement. For more information please visit: http://www.itu.int/ITU-D/treg/Events/Seminars/ITU-EC-Project/Ghana/modules/FinalDocuments/Spectrum.pdf
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> http://www.afridigital.net/country_profile.php?id=41
	Reports <ul style="list-style-type: none"> N/A

<p>General information</p>	<p>Spectrum Authority Communications Commission of Kenya (CCK)</p> <hr/> <p>Contact Details</p> <p>Location: Communications Commission of Kenya (CCK) Nairobi; Kenya</p> <p>Postal Address: Communications Commission of Kenya (CCK) Waiyaki Way P.O. Box 14448, 00800 Westlands NAIROBI, Kenya</p> <p>International Telephone: 254 204 242000</p> <p>Fax: 254 204 451866</p> <p>E-mail: http://www.cck.go.ke/html/feedback.asp</p> <p>Website: http://www.cck.go.ke/radiocommunication/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>CCK regulates the radio frequency spectrum to ensure the availability of frequencies and space orbital slots for development of radio communications services in the country. In performing these tasks, the Communications Commission of Kenya pays particular attention to national safety, safety of human life, and the needs of public telecommunications, mass media (broadcasting), public services (transportation, supplies, health services, industries), scientific research and development.</p> <p>For more information please visit: http://www.cck.go.ke/radiocomm_spectrum_management/</p> <hr/> <p>Legislation</p> <p>For information on legislation please visit: http://www.cck.go.ke/policy_and_legislation/</p> <hr/> <p>Radio Frequency Register</p> <p>Radio frequencies must be registered. Spectrum license is issued for public use. The license operator has to pay the spectrum fee.</p> <p>For information on radio frequency table please visit: http://www.cck.go.ke/national_frequency_table/</p> <p>For information on spectrum fees please visit: http://www.cck.go.ke/spectrum_fees/</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.cck.go.ke/publications_and_statistics/ • http://www.afridigital.net/country_profile.php?id=35

Reports

- http://www.cck.go.ke/radiocomm_spectrum_management/

<p>General information</p>	<p>Spectrum Authority Lesotho Telecommunications Authority</p> <hr/> <p>Contact Details</p> <p>Location: Lesotho Telecommunications Authority 6th Floor Moposo House Kingsway Road Maseru LESOTHO</p> <p>Postal Address: Lesotho Telecommunications Authority P.O. Box 15896 Maseru 100</p> <p>International Telephone: 266 2232 5595</p> <p>Fax: 266 2231 0984</p> <p>E-mail: registrar@lta.org.ls</p> <p>Website: http://www.lta.org.ls/Radiocommunication/radiocom.html</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>LTA is the regulator for telecommunications and radio communication in Lesotho. It ensures effective and efficient use of radio frequency spectrum.</p> <p>For more information please visit: http://www.lta.org.ls/Profile/mandate.html</p> <hr/> <p>Legislation</p> <p>For information on legislation please visit:</p> <ul style="list-style-type: none"> • http://www.lta.org.ls/Instruments/legal.html • http://www.lta.org.ls/Instruments/LTA-ACT-2000.pdf • http://www.lta.org.ls/Instruments/LTA-ACT-AMEND2001.pdf <hr/> <p>Radio Frequency Register</p> <p>For information on radiofrequency allocation please visit: http://www.lta.org.ls/Radiocommunication/radiocom.html</p> <p>For information on radio frequency registration please visit: http://www.lta.org.ls/Licensing/licence_application.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.lta.org.ls/Consultations/pulic_consultations.html • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/LESOTHO.doc • http://www.afridigital.net/country_profile.php?id=25

	Reports <ul style="list-style-type: none"><li data-bbox="500 163 591 193">• N/A
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General information	Spectrum Authority Liberia Telecommunications Authority (LTA)
	Contact Details Location: Monrovia, Liberia Postal Address: LTA Carey Street, Monrovia ; Liberia International Telephone : 22 6079 Fax: N/A E-mail: N/A Website: N/A
Spectrum Policy and Planning	Introduction LTA is responsible for managing its nation's spectrum. It uses international best practices and approaches for the proper utilization of its radio frequencies. One of those practices involves sharing of the spectrum among services in particular allocation and geographic location. For more information please visit: www.jhellerstein.com/liberiatelecompolicy.pdf#search=%22liberia-%20%2F%20spectrum%20policy%22
	Legislation LTA issues the license for public and private sectors. The licensing regime is simple, open, non-discriminatory, transparent and light handed. It uses policy included in National Telecommunications Policy and Strategy: Draft Discussion Paper," Government of Liberia, 29 June 2005 for the distribution of spectrum. For more information please visit: http://www.volweb.cz/horvitz/os-info/liberia.html
	Radio Frequency Register All the radio frequency should be licensed. Competition policy is used for the distribution of spectrum. The market is open to both public and private sectors.
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=15
	Reports <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Office Malagasy d'Etudes et de Régulation des Télécommunications
	Contact Details Location: Office Malagasy d'Etudes et de Régulation des Télécommunications 101 Antananarivo Madagascar Postal Address: Office Malagasy d'Etudes et de Régulation des Télécommunications Route des Hydrocarbures Alarobia BP99991MPT 101 Antananarivo Madagascar International Telephone: 261 20 22 42119 Fax: 261 20 23 21516 E-mail: omert@wanadoo.mg Website: www.omert.mg (French only)
Spectrum Policy and Planning	Introduction http://www.omert.mg/home.htm (French only)
	Legislation For information on legislation please visit: http://www.omert.mg/actualite_main.htm There is license exempt wireless policy in Madagascar. http://itc.mit.edu/itel/Docs/2004/ITS_paper_net0_best_gillett.pdf
	Radio Frequency Register For information on frequency registration please visit: http://www.omert.mg/formulaire_frameset.htm
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.omert.mg/publication_frameset.htm • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/MADAGASCAR.doc • http://www.afridigital.net/country_profile.php?id=45
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Malawi Communications Regulatory Authority (MACRA)</p>
	<p>Contact Details</p> <p>Location: MACRA House, Salmin Amour Road, Ginnery Corner, Blantyre ; Malawi</p> <p>Postal Address: Malawi Communications Regulatory Authority (MACRA) MACRA, Private Bag 261, Blantyre, Malawi</p> <p>International Telephone: 265 0 162 3611</p> <p>Fax: 265 0 162 3890</p> <p>E-mail: dg-macra@malawi.net</p> <p>Website: www.macra.org.mw</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>MACRA is taking effective measures for regulating, administering, controlling, monitoring and enforcing proper use of the radio frequency spectrum in order to maximize spectrum usage and prevent interference. The aim of the MACRA are</p> <ul style="list-style-type: none"> • To manage radio frequency spectrum • To allocate radio frequency spectrum among alternative users. • To co-ordinate the radio frequency locally and internationally. • To set rules and regulations governing the radio frequency • To license, assign and administer the radio frequency • To monitor the radio frequency spectrum • To set and collect fees for the use of radio frequencies <p>For more information please visit: macra.org.mw/comm_policy.pdf#search=%22Malawi%20%2F-%20spectrum%20policy%22</p> <p>Legislation</p> <p>MACRA uses Section 18, Section 36, Section 47 and Section 61 of the Communications Act to Issue the radio frequency licenses and telecommunication licenses.</p> <p>For more information please visit: http://www.macra.org.mw/index.php?link=application</p> <p>Radio Frequency Register</p> <p>Frequency and licenses should be registered. There are two types of licenses: individual and second operator license. In case of Individual license, licensee should pay initial license fee, annual license fee, one percent of the net annual operating revenue and radio spectrum fee. Second operator license is for fixed telecommunication service.</p>

	<p>For more information please visit: http://www.macra.org.mw/index.php?link=application</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.macra.org.mw/comm_act.pdf • http://www.sdn.org.mw/~paulos/communications/act/part_4.html • http://www.afridigital.net/country_profile.php?id=43
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General Information	
General information	Spectrum Authority Société des Télécommunications du Mali
	Contact Details <div style="background-color: #cccccc; padding: 5px;"> Location: Bamako, MALI Postal Address: Société des Télécommunications du Mali Route de Koulikoro, BoOEte Postale 740 Bamako, MALI International Telephone: 223 225 280 Fax: 223 223 022 E-mail: N/A Website: N/A </div>
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> http://www.volweb.cz/horvitz/os-info/mali.html http://www.afridigital.net/country_profile.php?id=44
	Reports <ul style="list-style-type: none"> N/A

General information	Spectrum Authority Autorité de Régulation
	Contact Details Location: Nouakchott, MAURITANIA Postal Address: Autorite de Régulation Ilot Z lot N° 14 BP 4908 Nouakchott - Mauritanie International Telephone: 222 529 12 70 Fax: 222 529 12 79 E-mail: N/A Website: http://www.are.mr/
Spectrum Policy and Planning	Introduction N/A
	Legislation For information on legislation please visit: http://www.are.mr/loi2001.pdf (French only) http://www.are.mr/loi99.pdf (French only) http://www.are.mr/loielectricite.pdf (French only)
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.volweb.cz/horvitz/os-info/mauritania.html • http://www.are.mr/publications.htm • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/MAURITANIA.doc • http://www.afridigital.net/country_profile.php?id=28
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Information Communication Technology Authority of Mauritius (ICT Authority)</p> <hr/> <p>Contact Details</p> <p>Location: Information Communication Technology Authority of Mauritius (ICT Authority) Port Louis Mauritius</p> <p>Postal Address: Information Communication Technology Authority of Mauritius (ICT Authority) Level 12 The Celicourt 6, Sir Celicourt Antelme Street Port Louis Mauritius</p> <p>International Telephone : 230 211 5333</p> <p>Fax: 230 211 9444</p> <p>E-mail: icta@intnet.mu</p> <p>Website: http://www.icta.mu/icta/radiocommunication/frequencyplan.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The main duties of the Authority in the field of radiofrequency planning are: Spectrum Planning, Spectrum assignment and licensing, Station and Apparatus licensing, International Radiocommunications, Advise and assist in the formulation of national policies regarding the regulation of radiofrequency planning with respect to spectrum monitoring,</p> <p>The main duties of the Authority are: Spectrum monitoring, Interference management, Spectrum coordination, advice and assist in the formulation of national policies regarding the regulation of spectrum monitoring, and entertain complaints from the radiocommunication operators and the public with regard to interference.</p> <hr/> <p>Legislation</p> <p>For a full view of Mauritian legislation in the field of Radio Communications please visit: http://www.icta.mu/icta/laws/reg.htm</p> <hr/> <p>Radio Frequency Register</p> <p>For information on frequency allocation plan please visit: http://www.icta.mu/radiocommunication/frequencyplan.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.icta.mu/icta/mediaoffice/publi.htm • http://www.afridigital.net/country_profile.php?id=5 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/MAURITIUS.doc

	<p>Reports</p> <ul style="list-style-type: none">• http://www.icta.mu/icta/documents/spectrumBroadband.pdf
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1.1.1.32 Morocco

General information	<p>Spectrum Authority National Telecommunications Regulatory Authority</p>
	<p>Contact Details</p> <p>Location: Centre d'Affaires RABAT Morocco</p> <p>Postal Address: Centre d'Affaires, Boulevard Ar-Ryad, Hay Ryad BP 2939 RABAT 10100</p> <p>International Telephone : 212.37 718 400</p> <p>Fax: 212 372 038 62</p> <p>E-mail: N/A</p> <p>Website: http://www.anrt.ma/fr/</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>For information on legislation please visit: http://www.anrt.ma/fr/admin/download/upload/file_eng453.pdf (French only)</p>
	<p>Radio Frequency Register</p> <p>For information on Morocco's spectrum plan please visit: http://www.anrt.ma/fr/content/main.php?id_page=54&id_sous_page=0&RefNiv=0#</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=13 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/MOROCCO.doc (French only)
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.33 Mozambique

<p>General information</p>	<p>Spectrum Authority Ministry of Transport and Communication Nacional das Comunicações de Moçambique (INCM)</p> <hr/> <p>Contact Details</p> <p>Location: Maputo, Mozambique</p> <p>Postal Address: Avenida Eduardo Mondlane; N.O 123/127 PO Box 848 Maputo, Mozambique</p> <p>International Telephone: 258 21 490131</p> <p>Fax: :258 21 494435</p> <p>E-mail: info@incm.gov.mz</p> <p>Website: http://www.incm.gov.mz/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Nacional das Comunicações de Moçambique (INCM) is responsible for spectrum management, spectrum monitoring, licensing and formulation of sector policy.</p> <hr/> <p>Legislation</p> <p>For information on legislation please visit: http://www.incm.gov.mz/legialacao.htm (Spanish only)</p> <hr/> <p>Radio Frequency Register</p> <p>N/A</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=54 <hr/> <p>Reports</p> <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Namibia communication commission</p> <hr/> <p>Contact Details</p> <p>Location: Communication House, 56 Robert Mugabe Avenue, Windhoek, Namibia</p> <p>Postal Address: Private Bag 13309, Windhoek</p> <p>International Telephone: 264 61 222 666</p> <p>Fax: 264 61 222 790</p> <p>E-mail: N/A</p> <p>Website: http://www.ncc.org.na</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>NCC is responsible for monitoring and inspecting unlicensed use of radio spectrum. The vision of NCC in terms of spectrum is to manage the radio frequency spectrum in order to guarantee interference free services and non discriminatory availability to all users and to encourage free competition.</p> <p>For more information please visit: http://www.ncc.org.na/page.php?pn=aboutncc</p> <hr/> <p>Legislation</p> <p>NCC uses Namibian Communications Commission Act, 1992 (Act 4 of 1992) to manages and issue radio frequency licenses.</p> <hr/> <p>Radio Frequency Register</p> <p>All the radio frequencies should be licensed. NCC issues two way radio communication licenses for following services- Amateur Radio station, very high frequency stations, Citizen band stations, very short range band stations, Community repeater stations, Pagers and security alarm stations, private high frequency stations, radio dealers, radio operator certificates, Ship radio stations, Aircraft radio stations, Satellite transmit and receive earth stations, Broadcasting transmitter stations, Television transmitter stations.</p> <p>There is annual license fee for almost all license but some of the frequencies are exempted.</p> <p>For more information please visit: http://www.ncc.org.na/TARRIFS1.xls</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://itc.mit.edu/itel/docs/2004/ITS_paper_net0_best_gillett.pdf • http://allafrica.com/stories/200609210472.html • http://www.researchictafrica.net/images/upload/na-nepru.pdf • http://www.afridigital.net/country_profile.php?id=9

	Reports <ul style="list-style-type: none"><li data-bbox="500 163 591 193">• N/A
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1.1.1.35 Niger

General information	<p>Spectrum Authority Direction de la Réglementation des Postes et Télécommunications (DRPT)</p>
	<p>Contact Details</p> <p>Location: Niamey ; Niger</p> <p>Postal Address: Direction de la Réglementation des postes et télécommunications Ministère de la Communication et de la Culture Niamey Niger</p> <p>International Telephone: 227 722 139</p> <p>Fax: 227 722 336</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>DRPT together with Autorité de Régulation Multisectorielle manages the spectrum of the nation.</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=50 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/NIGER.doc (French only)
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Nigerian Communication Commission</p>
	<p>Contact Details</p> <p>Location: Abuja , Nigeria</p> <p>Postal Address: Plot 72, Ahmadu Bello Way, Central Business District, Benue Plaza, Abuja,</p> <p>International Telephone: 234 9 234 0330</p> <p>Fax: 234 9 234 4589</p> <p>E-mail: ncc@ncc.gov.ng</p> <p>Website: http://www.ncc.gov.ng/index7.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Government of the Federal Republic of Nigeria is aware of the proper management of radio spectrum and promotes and supports the development and efficient use of spectrum. It also utilizes and manages the spectrum according to law, policy objective and international agreement. It ensures efficient and optimum use of frequency through advance spectrum allocation and management technique and encourages use of spectrum for the educational advancement.</p> <p>For more information please visit: http://www.ncc.gov.ng/index7.htm</p> <p>Legislation</p> <p>The Nigerian communications commission has received power from the Nigerian communication Act 2003 to issue communication licenses for the operation and provision of communication services.</p> <p>For information on legislation please visit: http://www.ncc.gov.ng/RegulatorFramework/Nigerian%20Communications%20Act.%202003.pdf</p> <p>Radio Frequency Register</p> <p>Radio licensing is required as government of Nigeria wants to encourage sharing, and ensure minimum interference with one another. All frequency must be paid and licensed. In a given band, the price to be paid for spectrum is dependent on the size of spectrum occupied.</p> <p>Spectrum fees are not based on turn over but capital invested or subscriber. Differential pricing methods are used to encourage migration to less congested spectrum bands and to discourage speculative acquisition of frequency spectrum in congested urban areas. The price charged to the spectrum is proportional to the derivable benefits and level of usage</p> <p>For more information please visit: http://www.ncc.gov.ng/index7.htm</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.ncc.gov.ng/index7.htm• http://www.afridigital.net/country_profile.php?id=24
	Reports <ul style="list-style-type: none">• N/A

General information	Spectrum Authority Gence Rwandaise de Régulation des Services d'Utilité Publique
	Contact Details Location: Kigali, Rwanda Postal Address: BP 7289 Kigali, Rwanda International Telephone: 55 10 00 25 Fax: 55 10 00 92 E-mail: arms@rwanda1.com Website: N/A
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register License and registrations are not required for providing narrow band VSAT and internet in remote areas. For more information please visit: http://www.volweb.cz/horvitz/os-info/rwanda.html
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=37
	Reports <ul style="list-style-type: none"> • N/A

1.1.1.38 Sao Tome and Principe

General information	Spectrum Authority Companhia Santomense De Telecomunicacoes Sarl
	Contact Details <div style="background-color: #cccccc; padding: 5px;"> Location: Postal Address: Caixa Postal 141; Sao Tome Sao Tome and Principe International Telephone : 239 12 22226 Fax: 239 12 22500 E-mail: N/A Website: N/A </div>
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=34
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Agence de Régulation des Télécommunications</p> <hr/> <p>Contact Details</p> <p>Location: ART Sénégal Adresse : Route des Almadies Angle Djoulikaye 14130 Dakar Peytavin</p> <p>Postal Address: ART Sénégal Adresse : Route des Almadies Angle Djoulikaye 14130 Dakar Peytavin</p> <p>International Telephone : 221 869 03 69</p> <p>Fax : 221 869 03 70</p> <p>E-mail: N/A</p> <p>Website: http://www.art-telecom-senegal.org/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The authority is responsible for the spectrum management and collection of spectrum fees.</p> <hr/> <p>Legislation</p> <p>For information on different regulation set by ART for wireless communication and radio apparatus please visit: http://www.volweb.cz/horvitz/os-info/senegal.html</p> <hr/> <p>Radio Frequency Register</p> <p>The radio frequency plan of Senegal was developed by ITU in 1984 For more information on registration please visit: http://www.artp-senegal.org/telecharger/demaut.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.osiris.sn/article2374.html (French only) • http://www.afridigital.net/country_profile.php?id=26 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SENEGAL.DOC (French only) • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SENEGAL.DOC <hr/> <p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.40 Seychelles

<p>General information</p>	<p>Spectrum Authority Ministry of information technology and communication Telecom division (Frequency management unit)</p> <hr/> <p>Contact Details</p> <p>Location: Oceangate House; Victoria, Mahé; Seychelles</p> <p>Postal Address: Telecom Division, MITC P. O. Box 1389 Oceangate House, Room 16 Victoria, Mahé; Seychelles</p> <p>International Telephone: 248 382 039</p> <p>Fax: 248 225 325</p> <p>E-mail: : telecom@seychelles.sc ; mailto:telecom@seychelles.sc</p> <p>Website: http://www.virtualseychelles.sc/gover/mitc_telecom_fm_u.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Telecom division is responsible for managing the radio frequency in the country. Frequency management unit regulates the service providers and radiocommunication equipment. The unit advice government for spectrum allocation. Its other responsibilities are:</p> <ul style="list-style-type: none"> • Licensing. • Annual radiocommunication equipment inspection • Investigation (Co-ordinated with Seychelles Licensing Authority (SLA) for cases of infringement of the Broadcasting and Telecommunication Act, 2000. • Interference Suppression. • Radio Frequency (RF) Monitoring • Radiotelephone Operator Certificate of Proficiency Courses and Examination. <p>For more information please visit: http://www.virtualseychelles.sc/gover/mitc_telecom_fm_u.htm</p> <hr/> <p>Legislation</p> <p>It uses Section 37 of the Broadcasting and Telecommunication Act, 2000 for the management of national radio spectrum. For more information please visit: http://www.virtualseychelles.sc/gover/mitc_telecom_fm_u.htm</p> <hr/> <p>Radio Frequency Register N/A</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=2

	Reports <ul style="list-style-type: none">• N/A
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1.1.1.41 Sierra Leone

General information	<p>Spectrum Authority</p> <p>Ministry of Transport and Communications</p>
	<p>Contact Details</p> <p>Location: Freetown ;Sierra Leone</p> <p>Postal Address: Ministerial Building George Street Freetown ;Sierra Leone</p> <p>International Telephone: 232 22 222 758</p> <p>Fax: 232 22 227 337</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=46
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.42 Socialist People's Libyan Arab Jamahiriya

General information	Spectrum Authority General Post and Telecommunication Company (G.P.T.C.)
	Contact Details Location: Al Zawia st., GPTC Tower, Tripoli, Libya Postal Address: Marwan K. Maghur (LY ccTLD Director) General Post and Telecommunication Company Al Zawia st., GPTC Tower, Tripoli, Libya P.O. Box 886 Libyan Arab Jamahiriya International Telephone: 218 91 212 6902 Fax: 218 21 462 3274 E-mail: marwan@ltnet.com Website: www.nic.ly
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=3
	Reports <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Ministry of Posts and Telecommunications
	Contact Details <div style="background-color: #cccccc; padding: 5px;"> Location: Mogadishu, Somalia Postal Address: Ministry Of Posts And Telecommunications P.O. Box G25 Mogadishu, Somalia International Telephone: 252 29005 Fax: N/A E-mail: N/A Website: N/A </div>
Spectrum Policy and Planning	Introduction N/A
	Legislation For information on legislation please visit: http://mali-reforme-telecom.mctmtl
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/MALI.doc (French only) http://www.afridigital.net/country_profile.php?id=48
	Reports <ul style="list-style-type: none"> N/A

<p>General information</p>	<p>Spectrum Authority The Independent Communications Authority of South Africa</p>
	<p>Contact Details</p> <p>Location: Blocks A, B, C and D, Pinmill Farm 164 Katherine Street Sandton</p> <p>Postal Address: Private Bag X10002 Sandton 2146</p> <p>International Telephone: 27 11 321 8200</p> <p>Fax: 27 11 444 1919</p> <p>E-mail: info@icasa.org.za</p> <p>Website: http://www.icasa.org.za/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The key responsibilities of authority are:</p> <ul style="list-style-type: none"> • To make regulations and policies that govern broadcasting and telecommunications • To issue licenses to providers of telecommunication services and broadcasters • To monitor the environment and enforce compliance with rules, regulations and policies • To hear and decide on disputes and complaints brought by industry or members of the public against licensees • To plan, control and manage the frequency spectrum and • To protect consumers from unfair business practices, poor quality services and harmful or inferior products. <p>Legislation</p> <p>For information on legislation on broadcasting please visit: http://www.icasa.org.za/Documents.aspx?Page=71</p> <p>For information on telecommunication act please visit: http://www.icasa.org.za/Documents.aspx?Page=72</p> <p>Radio Frequency Register</p> <p>Tender method is used for the distribution of certain frequencies.</p> <p>For information on spectrum allocation and registration please visit: http://www.icasa.org.za/Documents.aspx?Page=83</p> <p>For information on spectrum licensing please visit: http://www.icasa.org.za/Documents.aspx?Page=88</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.icasa.org.za/Documents.aspx?Page=75• http://www.afridigital.net/country_profile.php?id=7
	Reports <ul style="list-style-type: none">• http://www.icasa.org.za/Manager/ClientFiles/Documents/Transfer_of_licences.pdf

<p>General information</p>	<p>Spectrum Authority National Telecommunication Corporation (NTC)</p>
	<p>Contact Details</p> <p>Location: Khartoum; Sudan</p> <p>Postal Address: PO Box 2869 Khartoum, 11111 Sudan</p> <p>International Telephone: 249 11 77 94 93</p> <p>Fax: 249 11 78 05 07</p> <p>E-mail: N/A</p> <p>Website: http://www.ntc.org.sd/english/index.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>NTC is responsible for the management of spectrum.</p>
	<p>Legislation</p> <p>The authority uses the telecommunication corporation act 2000 for the management of frequency.</p> <p>For more information please visit: http://www.unsudanig.org/docs/The%20Telecommunication%20Corporation%20Act.%202004.pdf http://www.ntc.org.sd/english/legislative%20and%20regulatory%20framework/-telecomact2001.htm</p>
	<p>Radio Frequency Register</p> <p>All the radio frequency should be registered and licensed. With regard to the law, license is not transferable and the user can not lease the license to others. Registered user is responsible for the payment of the license fee. The director general holds the rights to cancel the license.</p> <p>Diplomatic missions such as United Nations Agencies and organizations are exempted from the payment of license fee.</p> <p>The license is distributed through free market competition.</p> <p>For more information please visit: http://www.unsudanig.org/docs/The%20Telecommunication%20Corporation%20Act.%202004.pdf For information on licensing please visit: http://www.ntc.org.sd/english/licensing/licensing_procedure.htm</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.afridigital.net/country_profile.php?id=33
	Reports <ul style="list-style-type: none">• N/A

1.1.1.46 Swaziland

General information	<p>Spectrum Authority Swaziland Posts and Telecomms Corporation Frequency management section</p>
	<p>Contact Details</p> <p>Location: Phutfumani Building Warner Street; Mbabane</p> <p>Postal Address: P.O. Box 125, Mbabane. H100 Swaziland</p> <p>International Telephone : 268 405 2315</p> <p>Fax: 268 405 2020</p> <p>E-mail: stdlamini@sptc.co.sz</p> <p>Website: http://www.sptc.co.sz/Telecomms/products/frequency.php</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>Swaziland posts and telecoms corporation is responsible for frequency management, type approval and licensing. Government hopes to provide regulation and procedure for nation's spectrum management publicly in future.</p>
	<p>Legislation</p> <p>The government uses Swaziland National Radio Regulations to utilize its nation's radio frequency spectrum</p> <p>For more information please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SWAZILAND.doc</p>
	<p>Radio Frequency Register</p> <p>Fixed charge is allocated for the different frequency bands.</p> <p>For more information please visit: http://www.sptc.co.sz/Telecomms/products/frequency.php</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=12 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SWAZILAND.doc
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.47 Tanzania (United Republic of)

<p>General information</p>	<p>Spectrum Authority Tanzania Communications Regulatory Authority (TCRA) Department of Information and Communication Technology</p> <hr/> <p>Contact Details</p> <p>Location: Plot 304 Ali Hassan Mwinyi/Nkomo Road</p> <p>Postal Address: The Director General Tanzania Communications Regulatory Authority (TCRA) Mawasiliano House, Plot 304 Ali Hassan Mwinyi/Nkomo Road P.O Box 474 Dar Es Salaam</p> <p>International Telephone: 211894 7/52</p> <p>Fax: 255 22 2116 664</p> <p>E-mail: dg@tcra.go.tz</p> <p>Website: http://www.tcra.go.tz/DICT/DICThome.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>TCRA is an independent authority established for postal, board casting and Electronic communications. It uses TCRA act to license postal service, board casting service and electronic communication services.</p> <p>For more information please visit: http://www.tcra.go.tz/index.htm</p> <hr/> <p>Legislation</p> <p>The Tanzania Communications Regulatory in accordance with Section 6 of the Tanzania Communications Regulatory Act, 2003 and Section 11 of the Tanzania Communications Act, 1993 grants a license to the user to use radio frequency spectrum resource and to operate radio station (s).</p> <p>For more information please visit: http://www.tcra.go.tz/Licensing/final%20ANNEX%20%20-%20FREQUENCY%20USER%20LICENCE.pdf</p> <hr/> <p>Radio Frequency Register</p> <p>The registered user should pay the license fee and annual fee to the authority. The license is valid for the period of one year and should be renewed.</p> <p>For more information please visit: http://www.tcra.go.tz/Licensing/final%20ANNEX%20%20-%20FREQUENCY%20USER%20LICENCE.pdf</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.afridigital.net/country_profile.php?id=42
	Reports <ul style="list-style-type: none">• www.catia.ws/Documents/File/TZ_Final%20Draft%20Version%-20vers%206.0.doc

1.1.1.48 Togolese Republic

General information	<p>Spectrum Authority</p> <p>L'office Des Postes Et Des Communications Du Togo</p>
	<p>Contact Details</p> <p>Location: Lome, TOGOLESE REPUBLIC</p> <p>Postal Address: L'office Des Postes Et Des Communications Du Togo Avenue Nicolas Grunitzky, BoOEte Postale 333 Lome, Togolese Republic</p> <p>International Telephone : 214 401</p> <p>Fax: 210 373</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=36
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Ministry of Communication Technology and Transport
	Contact Details Location: 3 bis, rue d'Angleterre - 1000 RP - Tunis - Tunisia Postal Address: Ministry of Communication and Technologies 3 bis, rue d'Angleterre - 1000 RP - Tunis - Tunisia International Telephone: 216 71 359 000 Fax: 216 71 359 000 E-mail: info@infocom.tn Website: http://www.infocom.tn/
Spectrum Policy and Planning	Introduction The ministry of communication technology and transport is responsible for managing and monitoring spectrum.
	Legislation Communication sector in Tunisia is governed by the Telecommunications code established by law no. 2001-1 of January 15, 2001. This law also governs Agence Nationale des Fréquences. Regulations concerning frequency management have been adopted. For more information please visit: http://www.volweb.cz/horvitz/os-info/tunisia.html
	Radio Frequency Register Tunisia's government wish to promote the market for new wireless technologies for broadband internet access and make free use of radio frequencies; however, technology like WIFI are not yet subjected to license. For more information please visit: http://www.volweb.cz/horvitz/os-info/tunisia.html
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www-wds.worldbank.org/servlet/WDSContentServer/WDSP/IB/2004/06/15/-000012009_20040615132551/Rendered/PDF/292920TN.pdf • http://www.afridigital.net/country_profile.php?id=8
	Reports <ul style="list-style-type: none"> • N/A

1.1.1.50 Uganda

<p>General information</p>	<p>Spectrum Authority</p> <p>Ugandan Communication Commission</p>
	<p>Contact Details</p> <p>Location: Uganda Communications Commission Kampala, Uganda</p> <p>Postal Address: Uganda Communications Commission 12th Floor, Communications House Plot 1 – Colville Street P. O. Box 7376 Kampala, Uganda</p> <p>International Telephone: 256 31 339000</p> <p>Fax: 256 41 348832</p> <p>E-mail: ucc@ucc.co.ug</p> <p>Website: http://www.ucc.co.ug/spectrum/about_spectrum.php</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The office of SM is responsible for the frequency planning; monitoring, coordinating allocating, and regulating and administering radio frequencies. It is further responsible for collecting spectrum fees and ensuring that current international regulations and standard are met.</p>
	<p>Legislation</p> <p>It uses Uganda Communications Act Cap 106 Laws of Uganda and UCC Regulations for managing and licensing spectrum.</p>
	<p>Radio Frequency Register</p> <p>For information on frequency allocation table please visit: http://www.ucc.co.ug/spectrum/about_spectrum.php</p> <p>For the information on spectrum licensing and fees please visit: http://www.ucc.co.ug/licensing/default.php</p> <p>No spectrum license is required for the band 2.4GHz and 5.8 GHz ISM bands.</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• www.ucc.co.ug/licensingGuidelines.php• http://www.ucc.co.ug/licensingGuidelines/newPolicyGuidelines.ppt• http://www.ucc.co.ug/licensingGuidelines/AboutTheNewLicenses.ppt• http://www.ucc.co.ug/licensingGuidelines/MajorProvisionsInTheProposedLicenses.ppt• http://www.ucc.co.ug/licensingGuidelines/transitionToNewLicences.ppt• http://www.afridigital.net/country_profile.php?id=38• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/UGANDA.doc
	Reports <ul style="list-style-type: none">• N/A

<p>General information</p>	<p>Spectrum Authority</p> <p>The Communications Authority</p> <hr/> <p>Contact Details</p> <p>Location: The Communications Authority Lusaka; Zambia.</p> <p>Postal Address: The Communications Authority Plot 3141, Corner of Lumumba Buyantashi Roads. P.O.BOX 36871 Lusaka Zambia.</p> <p>International Telephone : 260 124 1236</p> <p>Fax: 260 124 6701</p> <p>E-mail: info@caz.gov.zm</p> <p>Website: http://www.caz.gov.zm/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Communications Authority is a statutory body established by an Act of Parliament. This Act mandated the Communications Authority to supervise and regulate the provisions of Telecommunication services and products in the Country, to promote competition and to ensure that the benefits of this sector accrue to the Citizens of Zambia and its economy.</p> <p>For information on telecommunication act please visit: http://www.caz.gov.zm/Telecommunications%20Act.pdf</p> <hr/> <p>Legislation</p> <p>For information on spectrum legislation please visit: http://www.caz.gov.zm/radio_freq.html</p> <hr/> <p>Radio Frequency Register</p> <p>N/A</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.caz.gov.zm/publications.html • http://www.afridigital.net/country_profile.php?id=27 <hr/> <p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.1.52 Zimbabwe

General information	<p>Spectrum Authority Spectrum Management Department, Postal and Telecommunications Regulatory Authority of Zimbabwe (POTRAZ). Spectrum Management Department</p>
	<p>Contact Details</p> <p>Location: Mount Pleasant, Harare, ZIMBABWE</p> <p>Postal Address: The Postal and Telecommunications Regulatory Authority, P.O Box MP843, Mount Pleasant, Harare, ZIMBABWE</p> <p>International Telephone: 263 433 3048</p> <p>Fax: 263 433 3041</p> <p>E-mail: The.Regulator@potraz.gov.zw</p> <p>Website: http://www.potraz.gov.zw/</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.afridigital.net/country_profile.php?id=20
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.2 AMERICAS

1.1.2.1 Antigua & Barbuda

<p>General information</p>	<p>Spectrum Authority Telecommunications Division (Ministry of Information Broadcasting and Telecommunications)</p> <hr/> <p>Contact Details</p> <p>Location: Telecommunications Division (Ministry of Information Broadcasting & Telecommunications) 4th Floor State Insurance Building Corner of Thames & Long Street St. John's</p> <p>Postal Address: 4th Floor State Insurance Building Corner of Thames & Long Street St. John's</p> <p>International Telephone : 268 562 1868</p> <p>Fax: 268 562 1872</p> <p>E-mail: telecom@antigua.gov.ag</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The authority is responsible for the managing, monitoring and licensing radio spectrum.</p> <hr/> <p>Legislation</p> <p>It uses the communication act Government of Antigua, Telecommunications Act 1951, Cap 423 for the management of spectrum.</p> <p>Review and update of the spectrum fees are recommended by the government cabinet.</p> <hr/> <p>Radio Frequency Register</p> <p>There is a frequency allocation plan from 960-3000 MHz</p> <p>Radio frequency fees and spectrum charges are paid to Government Island revenue department. Radio frequencies fees are totally exempted to the government organization.</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ANTIGUAANDBARBUDA.doc

	<p>Reports</p> <ul style="list-style-type: none">• http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf
--	---

<p>General information</p>	<p>Spectrum Authority Secretaria de Comunicaciones Comisión Nacional de Comunicaciones</p>
	<p>Contact Details</p> <p>Location: Comisión Nacional de Comunicaciones Buenos Aires Argentina</p> <p>Postal Address: Perú 103, 9° Buenos Aires 1067 Argentina</p> <p>International Telephone : 0054 114 347 9242</p> <p>Fax: 0054 114 347 9244</p> <p>E-mail: http://www.cnc.gov.ar/Consultas.asp</p> <p>Website: http://www.cnc.gov.ar/index.asp</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>http://www.cnc.gov.ar/cnc/index.asp (Spanish only) http://www.cnc.gov.ar/espectro/index.asp (Spanish only)</p>
	<p>Legislation</p> <p>For information on legislation please visit: http://www.secom.gov.ar/municipios/seccion.asp?MID=10&Seccion_Id=68 (Spanish only)</p>
	<p>Radio Frequency Register</p> <p>For information on frequency registration please visit: http://www.cnc.gov.ar/espectro/AsignacionFrecuencias/index.asp (Spanish only)</p> <p>For information on radio communication certificate please visit: http://www.cnc.gov.ar/espectro/CertificacionRadio/index.asp (Spanish only)</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.secom.gov.ar/municipios/ver.asp?MID=10&tipo=nota&id=140 (Spanish only)
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

<p>General information</p>	<p>Spectrum Authority</p> <p>The Public Utilities Commission</p>
	<p>Contact Details</p> <p>Location:</p> <p>Public Utilities Commission Nassau, Bahamas</p> <p>Postal Address:</p> <p>Public Utilities Commission Agape House 4th Terrace East Collins Avenue P.O Box N 4860 Nassau, Bahamas</p> <p>International Telephone: 1 242 322 4437</p> <p>Fax: 1 242 323 7288</p> <p>E-mail: info@PUCBahamas.gov.bs</p> <p>Website: http://www.pucbahamas.gov.bs/radio.php</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The commission is responsible for planning, managing and distributing radio frequency. For more information on its responsibilities and duties please visit: http://www.pucbahamas.gov.bs/about.php</p>
	<p>Legislation</p> <p>It uses section 6 of the telecommunication act 1999 to manage, regulate and allocate radiocommunication. It uses Section 31(2) of the Act 1999 for the collection of fees.</p> <p>For more information please visit: http://www.pucbahamas.gov.bs/legislation.php</p>
	<p>Radio Frequency Register</p> <p>An AM and/or FM Broadcast Spectrum License is issued to anyone who has first been granted an AM and/or FM Broadcasting License from the proper licensing authority within the Government of the Bahamas.</p> <p>The spectrum license allows a user to operate on a specific radio frequency within the confines of outlined parameters which is stated on both the broadcasting license and spectrum License. In the case of FM broadcasting, there have only two categories of licenses are issued, island specific and national license.</p> <p>For the information on fees collection please visit: http://www.pucbahamas.gov.bs/radio_types.php</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• www.pucbahamas.gov.bs/download/telecom_sec_policy.pdf
	Reports <ul style="list-style-type: none">• www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/BAHAMAS.doc• www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

<p>General information</p>	<p>Spectrum Authority</p> <p>The Telecommunication Unit.</p> <hr/> <p>Contact Details</p> <p>Location: Chief Telecommunications Officer, Upton Business Centre, Upton, St. Michael</p> <p>Postal Address: N/A</p> <p>International Telephone: 430 2251</p> <p>Fax: 426 0960</p> <p>E-mail: chelston_bourne@barbadosbusiness.gov.bb</p> <p>Website: http://www.telecoms.gov.bb</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The telecommunication of Barbados is responsible for planning the radio frequencies and monitoring and resolving radio frequency interference. Moreover, it distributes spectrum and collects the spectrum fees. It cooperates with the frequencies users at an international and national level.</p> <p>For more information please visit: http://www.telecoms.gov.bb/Documents/Spectrum%20Management%20Handbook%20TU.doc</p> <hr/> <p>Legislation</p> <p>Spectrum regulation hinges upon the Telecommunications Act 2001-36 of sections 4 (2)(b) and 4 (2)(f). Telecommunications Regulation, 2003 – S.I. 2003 No. 78 is used for the collection of spectrum fees.</p> <p>For more information please visit: http://www.telecoms.gov.bb/Documents/Policies/pdf/Spread%20Spectrum%20Policy.pdf</p> <p>Spectrum is distributed through administrative process.</p>
	<p>Radio Frequency Register</p> <p>Registration and licensing Wi-Fi, Bluetooth, LAN, WAN, MAN and low power spread spectrum devices are not require to register and license, whereas others should be licensed. Spectrum bandwidth 902.000-928.000 MHz, 2.400-2.4835 GHz, 5.725-5.850 GHz and 5.15- 5.35 GHz are reserved.</p> <p>http://www.telecoms.gov.bb/Documents/Policies/pdf/Spread%20Spectrum%20Policy.pdf</p> <p>The spectrum fees depend upon the bandwidth.</p> <p>For more information please visit: http://www.telecoms.gov.bb/Documents/Policies/pdf/Spread%20Spectrum%20Policy.pdf</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• N/A
	Reports <ul style="list-style-type: none">• http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

General information	Spectrum Authority Public Utilities Commission
	Contact Details Location: 63 Regents Street Belize City ; Belize Postal Address: Public Utilities Commission 63 Regent Street Belize City Belize P.O. Box: 300 International Telephone : 501 227 1176 / 227 1185 Fax: 501 227 1149 E-mail: N/A Website: http://www.puc.bz
Spectrum Policy and Planning	Introduction The Public Utilities Commission (PUC) was established in 1999 when the Belize Legislature enacted the Public Utilities Commission Act. It is responsible for managing, monitoring and licensing radio spectrum.
	Legislation For information on legislation please visit: http://www.puc.bz/publications/Belize%20Telecommunications%20Act_20-07-02.pdf
	Radio Frequency Register <ul style="list-style-type: none"> • http://www.puc.bz/publications/Application%20Form%20For%20Frequency%20Spectrum.doc • http://www.puc.bz/publications/Class%20Licence%20Application.doc • http://www.puc.bz/publications/Application%20for%20Individual%20License.doc
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.puc.bz/publications.asp
	Reports <ul style="list-style-type: none"> • http://www.puc.bz/publications/Telecoms_Policy_Framework.pdf

General information	Spectrum Authority Superintendencia de Telecomunicaciones de Bolivia
	Contact Details Location: OFICINA CENTRAL La-Paz ;Bolivia Postal Address: OFICINA CENTRAL Calle 13 NÂ°8260 - 8280 Calacoto Casilla Postal 6692 La-Paz Bolivia International Telephone: 591 2 2772266 Fax: 591 2 2772299 Contact: http://200.105.133.213/sittel/contactenosII.nsf/CCTENOS?rm Website: http://www.sittel.gov.bo
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.sittel.gov.bo/Default.aspx?tabid=91
	Reports <ul style="list-style-type: none"> • https://www.ptc.org/events/ptc06/program/public/proceedings/Martha%20Garcia-Murillo_paper_m334%20(formatted).pdf

<p>General information</p>	<p>Spectrum Authority Ministério das Comunicações Agência Nacional de Telecomunicações (ANATEL)</p> <hr/> <p>Contact Details</p> <p>Location: Ministério das Comunicações Esplanada dos Ministérios, Bloco “R”, CEP 70044-900 Brazilia - DF</p> <p>Postal Address: N/A</p> <p>International Telephone: N/A</p> <p>Fax: N/A</p> <p>E-mail: http://www.mc.gov.br/003/00318006.asp?ttCD_CHAVE=15370</p> <p>Website: http://www.anatel.gov.br (Portuguese only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Telecommunications Law gives Anatel the duty to manage the radio frequency spectrum in Brazil. Anatel is responsible for maintaining an allocating plan that designates radio frequencies for exclusive military purposes (made in conjunction with the Armed Forces), telecommunications services under the public and private regimes, broadcasting services, emergency and public security services, and other telecommunications activities.</p> <p>In a broader sense, Anatel is responsible for updating the frequency assignment book that includes all uses of spectrum throughout Brazil.</p> <p>A new regulation on spectrum usage in Brazil was issued by Anatel on April 17, 2001. The regulation sets forth in detail the framework for spectrum usage in Brazil, codifying Anatel’s existing practices.</p> <hr/> <p>Legislation</p> <p>For information on legislation please visit: http://sistemas.anatel.gov.br/pdf/Consulta/Consulta.asp?SISQSm modulo=1068 (Portuguese only)</p> <hr/> <p>Radio Frequency Register</p> <p>http://sistemas.anatel.gov.br/pdf/Ajuda.asp?SISQSm modulo=1067 (Portuguese only)</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://sistemas.anatel.gov.br/pdf/ (Portuguese only) • http://www.itu.int/osg/spu/ni/spectrum/presentations/13-Tavares.pdf • http://www.citel.oas.org/newsletter/2005/octubre/uit_i.asp • http://www.itu.int/ITU-R/conferences/seminars/porto-seguro-2005/ • http://cra.ir/static/successstory/PDF/brazil.pdf

	<p>Reports</p> <ul style="list-style-type: none">• http://www.anatel.gov.br/acontece_anatel/palestras/tecnicas/palestra_wnc03_20_03_2003.pdf• http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf
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<p>General information</p>	<p>Spectrum Authority Industry Canada</p>
	<p>Contact Details</p> <p>Location: Industry Canada Ottawa; Canada</p> <p>Postal Address: Service Canada Ottawa (Ontario) K1A 0J9 CANADA</p> <p>International Telephone: 1 613 954-5031</p> <p>Fax: 1 613 941 1827</p> <p>E-mail: http://strategis.ic.gc.ca/epic/internet/inhelp_hotline-service_a_la_clientele.nsf/en/h_sh00013e.html</p> <p>Website: http://strategis.ic.gc.ca/engdoc/main.html</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The objectives of Canadian Spectrum Management are: to ensure all radio spectrum use is compatible, to ensure the availability of spectrum for new users, uses, and technologies; to provide users with frequency assignments that meet their needs; to minimize occurrences of interference, and to ensure cases of harmful interference are investigated promptly.</p> <p>For more information about the services offered by Spectrum Management please visit: http://sd.ic.gc.ca/</p> <p>Legislation</p> <p>For full information on Canada's legislative policies please visit: http://strategis.ic.gc.ca/epic/internet/insmt-gst.nsf/en/h_sf06010e.html</p> <p>Radio Frequency Register</p> <p>For information on Canadian Frequency Allocations please visit: http://strategis.ic.gc.ca/epic/internet/insmt-gst.nsf/en/home?OpenDocument :</p> <p>For information on Technical and administrative frequency list please visit: http://spectrum.ic.gc.ca/tafl/tafindxe.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.strategis.ic.gc.ca/epic/internet/insmt-gst.nsf/en/h_sf01841e.html • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CANADA1.doc

	<p>Reports</p> <ul style="list-style-type: none">• "Canada Telecommunications Policy Review Panel• "Decision to rescind the broadband spectrum cap policy• "Proposals and changes to the spectrum in certain bands below 1.7 GHz
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<p>General information</p>	<p>Spectrum Authority Subsecretería de Telecomunicaciones</p>
	<p>Contact Details</p> <p>Location: Subsecretería de Telecomunicaciones Ministerio de Transportes y Telecomunicaciones Santiago de Chile, Chile</p> <p>Postal Address: Subsecretería de Telecomunicaciones Ministerio de Transportes y Telecomunicaciones Amunátegui 139—Clasificador 120 Correo 21 Santiago de Chile, Chile</p> <p>International Telephone: 506 220 60103</p> <p>Fax: N/A</p> <p>E-mail: contactenos@grupoice.com</p> <p>Website: http://www.subtel.cl (Spanish only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The authority is responsible for the managing, monitoring and licensing radio spectrum.</p>
	<p>Legislation</p> <p>For information on legislation please visit: http://www.subtel.cl/servlet/page?_pageid=58&_dad=portal30&_schema=PORTAL30 (Spanish only)</p>
	<p>Radio Frequency Register</p> <p>For the radio frequency plan of the country please visit: http://www.subtel.cl/servlet/page?_pageid=61&_dad=portal30&_schema=PORTAL30</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.subtel.cl/pls/portal30/docs/FOLDER/WSUBTEL_CONTENTIDOS_SITIO/-SUBTEL/MARCOREGULATORIO/ESPECRADIOELEC/-PLANUSOERE/DECRETO_127_032006.PDF • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CHILE.doc (Spanish Only)
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

1.1.2.10 Colombia

<p>General information</p>	<p>Spectrum Authority Ministerio de Comunicaciones</p> <hr/> <p>Contact Details</p> <p>Location: Ministerio de Comunicaciones Edificio Murillo Toro Cra. 8a entre calles 12 y 13 Atención al Ciudadano</p> <p>Postal Address: Ministerio de Comunicaciones Edificio Murillo Toro Cra. 8a entre calles 12 y 13 Atención al Ciudadano</p> <p>International Telephone: 506 800 206 1000</p> <p>Fax: 506 253 4900</p> <p>E-mail: N/A</p> <p>Website: http://www.mincomunicaciones.gov.co (Spanish Only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>For the information on responsibilities of the authority please visit: http://www.mincomunicaciones.gov.co/mincom/src/index.jsp?page=../mods/contenido/view_page&id_contents=100&l=2 (Spanish Only)</p> <hr/> <p>Legislation</p> <p>For the information on legislation please visit: http://www.mincomunicaciones.gov.co/mincom/src/index.jsp?page=../mods/legislacion/legislacion_user_list (Spanish Only)</p> <hr/> <p>Radio Frequency Register</p> <p>N/A</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/COLOMBIA.doc <hr/> <p>Reports</p> <ul style="list-style-type: none"> • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

General information	Spectrum Authority Ministerio de Gobernación y Policía Control Nacional de Radio
	Contact Details Location: San José, Costa Rica Postal Address: Segundo Piso, Edificio García Pinto Barrio Escalante, Avenidas Central y Primera, Calle 33 (100 E y 50 N de KFC) San José, Costa Rica International Telephone : 00506 524 0455 Fax: 506 524 0454 E-mail: controlradio@ice.co.cr Website: http://www.conara.org/legal/legal.htm (Spanish only) http://www.controlradio.go.cr
Spectrum Policy and Planning	Introduction For information on the agency's mission and its responsibilities please visit: http://www.conara.org/mision/mision.htm (Spanish only)
	Legislation For information on legislation please visit: http://www.conara.org/legal/legal.htm (Spanish only).
	Radio Frequency Register For information on frequency registration and planning please visit: http://www.conara.org/docs/Notas_sobre_Plan.pdf (Spanish only) http://www.conara.org/docs/Plan_Nacional_de_Atribuci%F3n_de_Frecuencias.pdf (Spanish Only)
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.aresp.go.cr/docs/DECRETO%2027554_REGLAMENTO%20PLAN%20NACIONAL-%20ATRIBUCION%20DE%20FRECUENCIAS.pdf • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/COSTARICA.doc (Spanish only)
	Reports <ul style="list-style-type: none"> • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

General information	Spectrum Authority Ministry of Information and Communications Cuba
	Contact Details Location: Ministry of Information and Communications Cuba Ministry of Information and Communications Cuba C.Habana, Cuba Postal Address: Ministry of Information and Communications Cuba Ave. Independencia y 19 de Mayo, Plaza de la Revolución, C.Habana, Cuba International Telephone : N/A Fax: N/A E-mail: N/A Website: http://www.mic.gov.cu/ (Spanish only)
Spectrum Policy and Planning	Introduction http://www.mic.gov.cu/HThemEmp.aspx?7 (Spanish only)
	Legislation For information on legislation please visit: http://www.mic.gov.cu/HThemEmp.aspx?7 (Spanish only)
	Radio Frequency Register http://www.conatel.gov.cu/rnt.asp (Spanish only) http://www.mic.gov.cu/hthemramdetails.aspx?3 (Spanish only)
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.mic.gov.cu/htematica.aspx?1_0 (Spanish only) • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CUBA1.doc (Spanish only)
	Reports <ul style="list-style-type: none"> • N/A

1.1.2.13 Dominica (Commonwealth)

<p>General information</p>	<p>Spectrum Authority Ministry for communication Commission to manage spectrum</p>
	<p>Contact Details</p> <p>Location: N/A</p> <p>Postal Address: N/A</p> <p>International Telephone : N/A</p> <p>Fax: N/A</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The ministry is responsible for managing, licensing and monitoring the radio spectrum. In addition, the ministry is making policies and legislation for the efficient use of spectrum management.</p> <p>For more information please visit: http://www.volweb.cz/horvitz/os-info/dominica.html</p>
	<p>Legislation</p> <p>The ministry uses Section 74 of the Telecommunications Act, 2000 (Act No. 8 of 2000) for the spectrum licensing and management.</p> <p>For more information please visit: http://ectel.int/ntredm/Files/Laws_Regulations%20And%20Agreements/-SRO%2012%202002%20(Spectrum).pdf</p>
	<p>Radio Frequency Register</p> <p>All the frequencies between 9KHz and 400GHz should be licensed and authorized. Non-government station can use the government frequency above 25MHz. Re-distribution of frequency can also be applied to introduce new technology and for the efficient use of spectrum.</p> <p>For more detail information please visit: http://ectel.int/ntredm/Files/Laws_Regulations%20And%20Agreements/-SRO%2012%202002%20(Spectrum).pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.fogadaley.com/Telecom_001.pdf • http://www.wilac.net/descargas/documentos/Caribe-regionalradiospectrumplan.pdf

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- www.sma.gov.jm/publications/presentations/2005/Telecommunications_in_Jamaica.ppt#303.1
- http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

1.1.2.14 Dominican Republic

General information	<p>Spectrum Authority El Instituto Dominicano de las Telecomunicaciones (INDOTEL).</p>
	<p>Contact Details</p> <div style="background-color: #e0e0e0; padding: 5px;"> <p>Location: Av. Abraham Lincoln #962, Piantini. Santo Domingo República Dominicana</p> <p>Postal Address: N/A</p> <p>International Telephone : 809 732 5555</p> <p>Fax: 809 732 3904</p> <p>E-mail: control_casos@indotel.net.do ; radiodifusion@indotel.net.do</p> <p>Website: http://www.indotel.org.do (Spanish Only)</p> </div>
Spectrum Policy and Planning	<p>Introduction</p> <p>http://www.indotel.org.do/(pomrxp454vei1xeykjj2tc45)/default.aspx (Spanish Only)</p>
	<p>Legislation</p> <p>For information on legislation please visit: www.indotel.org.do/(ppnpy3i4tt1bffq3hhhqmg45)/reglamentos_radioaficionados.aspx</p>
	<p>Radio Frequency Register</p> <p>Article 40.9 of the general law of telecommunication in Dominican Republic says that no license is needed for low-power radio devices or for RF emitters conforming to ISM band rules. In addition, according to Article 67.3 these devices are not charged spectrum fees. For more information please visit http://www.volweb.cz/horvitz/os-info/dominican-rep.html</p> <p>For information on frequency registration please visit: http://www.indotel.org.do/(pomrxp454vei1xeykjj2tc45)/lista_radioaficionados.aspx</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.apc.org/apps/img_upload/5ba65079e0c45cd29dfdb3e618dda731/WiFIRural.rtf (Spanish only)
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Superintendencia of Telecommunications of Ecuador
	Contact Details Location: Av. Diego de Almagro N31-95 entre Whymper y Alpallana. Edificio Senatel. Postal Address: N/A International Telephone: 02 2 50 8535 Fax: 02 2 90 1010 E-mail: comunicacion@conatel.gov.ec Website: http://www.conatel.gov.ec
Spectrum Policy and Planning	Introduction The commission is responsible for managing and licensing the radio frequencies.
	Legislation For information on legislation please visit: <ul style="list-style-type: none"> • http://www.conatel.gov.ec/website/baselegal/baselegal.php (Spanish only) • http://www.conatel.gov.ec/website/frecuencias/frecuencias.php (Spanish only)
	Radio Frequency Register For information on frequency registration please visit: http://www.conatel.gov.ec/website/frecuencias/texto_Cuadro_de_Atribucion.pdf?-nomb_grupo=frecuencias&cod_nivel=n1&cod_cont=33 (Spanish only)
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.conatel.gov.ec/website/audiencias/aud_publicas.php (Spanish only)
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Superintendencia General de Electricidad y Telecomunicaciones (SIGET).</p>
	<p>Contact Details</p> <p>Location: San Salvador; El Salvador</p> <p>Postal Address: Kilómetro 10.5, carretera a Nueva San Salvador, Centro Financiero SISA, Edificio 4, Primera Planta, Local No. 9 San Salvador; El Salvador</p> <p>International Telephone: 503 288 0066</p> <p>Fax: 502 288 0069</p> <p>E-mail: siget@sal.gbm.net</p> <p>Website: www.siget.gob.sv (Spanish only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>SIGET is responsible for monitoring spectrum and detecting the illegal use of spectrum.</p> <p>For more information please visit: http://web.si.umich.edu/tprc/papers/2006/541/Hazlett-Ibarguen-Leighton%2008.30.06.pdf</p>
	<p>Legislation</p> <p>SIGET uses the law in Articles 78-82 of the 1997 for the management of spectrum.</p> <p>For more information please visit: http://web.si.umich.edu/tprc/papers/2006/541/Hazlett-Ibarguen-Leighton%2008.30.06.pdf</p>
	<p>Radio Frequency Register</p> <p>Spectrum is divided into three categories. Official use, free use and commercial use. Some frequencies are saved for government/official use; small portion of spectrum are assigned to public for free use, however these free uses should also be authorized from SIGET. Other commercial users have to pay annual fee.</p> <p>For information on band width allocation please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ELSALVADOR.doc (Spanish only)</p> <p>For more information please visit: http://web.si.umich.edu/tprc/papers/2006/541/Hazlett-Ibarguen-Leighton%2008.30.06.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.cadep.ufm.edu/telecom/lecturas/JuanJoseDaboub.ppt (Spanish only) • http://www.itu.int/ITU-D/study_groups/SGP_20022006/JGRES09/ELSALVADOR.doc (Spanish only)

	Reports
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- <http://web.si.umich.edu/tprc/papers/2006/541/Hazlett-Ibarguen-Leighton%2008.30.06.pdf>
- <http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf>

<p>General information</p>	<p>Spectrum Authority National telecommunication regulatory commission</p>
	<p>Contact Details</p> <p>Location: Suite #8 Grand Anse Shopping Center Grand Anse, St George's Grenada W. I.</p> <p>Postal Address: P. O. Box 854 St. George's Grenada W. I.</p> <p>International Telephone: 473 435 6872</p> <p>Fax: 473 435 2132</p> <p>E-mail: gntrc@caribsurf.com</p> <p>Website: www.spiceisle.com</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>National telecommunication regulatory commission handles the spectrum management of the nation. It main objectives are :</p> <ul style="list-style-type: none"> • To provide market linearization and competition in telecommunication sector. • To provide fair pricing and fair competition. • To ensure nation’s security • To develop telecommunication sector <p>For more information please visit: http://www.spiceisle.com/gntrc/About%20Us.htm</p>
	<p>Legislation</p> <p>Licenses are granted by ministry of telecommunication with respect to the Telecommunications Act, <i>Act 31 of 2000</i>. and ECTEL Treaty, Act 30 of 2000.</p> <p>For more information please visit: http://www.spiceisle.com/gntrc/Legislations.htm</p>
	<p>Radio Frequency Register</p> <p>There are three types of licenses - individual license, class license and spectrum license. All radio frequencies and license issued should be registered. Special spectrum license are charge free (emergencies) or very low charge. User has to pay application fee and annual spectrum fee for the other spectrum license.</p> <p>For more information please visit: http://www.spiceisle.com/gntrc/Fee%20Structure.htm</p>

Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.spiceisle.com/gntrc/Quick%20Links.htm • http://www.wilac.net/descargas/documentos/Caribe-regionalradiospectrumplan.pdf
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.sma.gov.jm/publications/presentations/2005/Telecommunications_in_Jamaica.ppt#303.1 http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

General information	
General information	<p>Spectrum Authority Superintendencia de Telecomunicaciones</p>
	<p>Contact Details</p> <div style="background-color: #e0e0e0; padding: 5px;"> <p>Location: Ciudad De Guatemala. 01010. Guatemala</p> <p>Postal Address: Dirección 14 Calle 3-51, Zona 10. Edificio Murano Center, Nivel 16. Ciudad De Guatemala. 01010. Guatemala</p> <p>International Telephone : 502 366 5880</p> <p>Fax: 502 366 5892</p> <p>E-mail: godomen@sit.gob.gt</p> <p>Website: N/A</p> </div>
Spectrum Policy and Planning	<p>Introduction</p> <p>Superintendencia de Telecomunicaciones is responsible for the spectrum management of the country. The organization has two features. First, the radio spectrum will be made available for those who request them. Second, the radio spectrum holders will have excessive control over the use of spectrum.</p> <p>For more information please visit: http://web.si.umich.edu/tprc/papers/2006/541/Hazlett-Ibarguen-Leighton%2008.30.06.pdf</p>
	<p>Legislation</p> <p>The organization uses telecommunication law found in Articles 78-82 of the 1997 law for the distribution of spectrum.</p>
	<p>Radio Frequency Register</p> <p>For information on national frequency allocation table from 960-3000 MHz please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/GUATEMALA.doc (Spanish only)</p> <p>It has very liberal approach of distributing the radio frequency. It uses auction method for the distribution of spectrum.</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/osg/spu/ni/spectrum/guat-rsm.doc • http://www.itu.int/ITU-D/study_groups/SGP_20022006/JGRES09/GUATEMALA.doc
	<p>Reports</p> <ul style="list-style-type: none"> • http://web.si.umich.edu/tprc/papers/2006/541/Hazlett-Ibarguen-Leighton%2008.30.06.pdf • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

<p>General information</p>	<p>Spectrum Authority National Frequency Management Unit</p>
	<p>Contact Details</p> <p>Location:</p> <p>Postal Address: 68 Hadfield Street D'Urban Park, Georgetown, Guyana.</p> <p>International Telephone: 592 226 2233</p> <p>Fax: 592 226 7661</p> <p>E-mail: nfmu@guyana.net.gy</p> <p>Website: http://www.sdn.org.gy/nfmu/index.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The mission of National Frequency Management Unit is to manage the radio spectrum effectively and efficiently and to allocate, assign and monitor the proper user of spectrum.</p> <p>For more information please visit: http://www.sdn.org.gy/nfmu/index.htm</p>
	<p>Legislation</p> <p>It uses ITU Radio Regulations state, in No. 2020 for the management of radio frequency and the radio stations.</p> <p>For more information please visit: http://www.sdn.org.gy/nfmu/licensing.htm</p>
	<p>Radio Frequency Register</p> <p>All radio frequencies should be registered. Licenses are issued for different service; these are aeronautical service, amateur service, maritime service, fixed and land mobile service, satellite service, broadcasting service. Different category of license is defined in each service.</p> <p>For more information please visit: http://www.sdn.org.gy/nfmu/licensing.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> http://www.regulateonline.org/index.php?option=com_docman&task=docclick&-Itemid=27&bid=183

	<p>Reports</p> <ul style="list-style-type: none">• http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20-MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf
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General information	
General information	Spectrum Authority National Council for Telecommunications (CONATEL)
	Contact Details <div style="background-color: #e0e0e0; padding: 5px;"> <p>Location: National Council for Telecommunications (CONATEL) Port-au-Prince</p> <p>Postal Address: National Council for Telecommunications (CONATEL) Ministry of Public Works, Transportation and Communications Palais des Ministères, Port-au-Prince</p> <p>International Telephone: 509 222-0300</p> <p>Fax: N.A</p> <p>E-mail: N.A</p> <p>Website: N.A</p> </div>
Spectrum Policy and Planning	Introduction The mission of CONATEL is to manage the radio spectrum effectively and efficiently and to allocate, assign and monitor the proper user of spectrum.
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • N/A
	Reports <ul style="list-style-type: none"> • http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

General Information	
General information	Spectrum Authority Comisión Nacional de Telecomunicaciones
	Contact Details <div style="background-color: #e0e0e0; padding: 5px;"> <p>Location: Edificio CONATEL, Colonia Modelo, Sexta Avenida Suroeste Contiguo a Hondutel.</p> <p>Postal Address: 15012 Tegucigalpa</p> <p>International Telephone: PBX 504 234-8600</p> <p>Fax: 504 234 8611</p> <p>E-mail:</p> <p>Website: http://www.conatel.hn/ (Spanish only)</p> </div>
Spectrum Policy and Planning	Introduction The mission of the authority is to manage the radio spectrum effectively and efficiently and to allocate, assign and monitor the proper user of spectrum.
	Legislation For information on legislation please visit: http://www.conatel.hn/reglamentos.htm (Spanish only)
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.conatel.hn/DOCUMENTOS/Reglamento_Sistemas_Espectro.DOC • http://www.conatel.hn/DOCUMENTOS/REGLAMENTO_RADIOAFICIONADOS.DOC
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Ministry of Commerce, Science and Technology Spectrum management authority (SMA)</p> <hr/> <p>Contact Details</p> <p>Location: Spectrum Management Authority 26 Belmont Road Kingston 5</p> <p>Postal Address: The Chairman Mrs. Michele Thomas Spectrum Management Authority 26 Belmont Road Kingston 5</p> <p>International Telephone: 876929 8550</p> <p>Fax: 960 8981</p> <p>E-mail: mthomas@sma.gov.jm</p> <p>Website: http://www.sma.gov.jm/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The spectrum management authority is responsible for efficient use of spectrum and innovation of new technologies. SMA is also a member of the Spectrum Management Task Force which is established to develop a Spectrum Management Policy Framework for Caribbean region.</p> <p>For more information please visit: http://www.sma.gov.jm/</p> <hr/> <p>Legislation</p> <p>It uses the telecommunication act (2000) of CARICOM countries for the management and distribution of spectrum.</p> <hr/> <p>Radio Frequency Register</p> <p>Radio frequency is auctioned. There is also license-exempt spectrum in Jamaica. User is required to pay processing fee in advance. In addition, a user is required to pay spectrum license fee and regulatory fee. The duration of license is 15 years and it is renewable in terms of the telecommunication act.</p> <p>For more information please visit: http://www.mct.gov.jm/Mobile%20Licence%20RFP%20Dec%202005.pdf For information on frequency allocation please visit: http://www.sma.gov.jm/business/frequency_chart/frequency_allocation_chart.htm</p>

Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.wilac.net/descargas/documentos/JM-pro_freeuse.doc
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.sma.gov.jm/publications/presentations/2005/Telecommunications_in_Jamaica.ppt#303,1, Telecommunications in Jamaica and the Caribbean Present Scenario and Perspectives • http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

General information	Spectrum Authority Comisión Federal de Telecomunicaciones
	Contact Details Location: Comisión Federal de Telecomunicaciones Cuajimalpa México, D.F. Postal Address: Comisión Federal de Telecomunicaciones Bosque de Radiatas #44 Col. Bosques de las Lomas C.P. 05120 Del. Cuajimalpa México, D.F. International Telephone : 125 340 00 Fax: N/A E-mail: nuevaimagen@cft.gob.mx Website: http://www.cft.gob.mx/wb2/COFETEL/-COFE_Cuadro_nacional_de_atribucion_de_frecuencias (Spanish only)
Spectrum Policy and Planning	Introduction For information on duties of the committee please visit: http://www.cft.gob.mx/wb2/COFETEL/COFE_Cuadro_nacional_de_atribucion_de_frecuencias (Spanish only)
	Legislation For communication law please visit: http://www.cofetel.gob.mx/cofetel/html/9_publica/leyes/LFT_2006.pdf (Spanish only).
	Radio Frequency Register http://www.cofetel.gob.mx/wb2/COFETEL/COFE_Registro_2 (Spanish only)
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://portal.sct.gob.mx/SctPortal/appmanager/Portal/Sct?_nfpb=true&_pageLabel=P38003 (Spanish only) • http://www.cft.gob.mx/wb2/COFETEL/COFE_Cuadro_nacional_de_atribucion_de_frecuencias (Spanish only)
	Reports <ul style="list-style-type: none"> • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

<p>General information</p>	<p>Spectrum Authority TELCOR</p>
	<p>Contact Details</p> <p>Location: Managua, Nicaragua</p> <p>Postal Address:</p> <p>Dirección del Fondo de Inversión de Telecomunicaciones Tercer Piso, Edificio TELCOR Managua, Nicaragua</p> <p>International Telephone: 00505 222 7350</p> <p>Fax: N/A</p> <p>E-mail: N/A</p> <p>Website: www.telcor.gob.n (Spanish only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>There is no liberalization in the Wifi sector at the movement but Nicaraguan Committee for an Information Society for All is working to liberalize Wifi regulations. TELCOR manages the nation’s spectrum.</p> <p>For more information please visit: http://www.volweb.cz/horvitz/os-info/nicaragua.html</p>
	<p>Legislation</p> <p>For information on legislation please visit:</p> <ul style="list-style-type: none"> • http://www.telcor.gob.n/MarcoLegal.asp?Accion=Reglamentos (Spanish only) • http://www.telcor.gob.n/CNAF.asp (Spanish only)
	<p>Radio Frequency Register</p> <p>Licenses are required for interactive wireless data services and radio communication networks with multi-access technology. However, indoor networks for self use are license fee. Licenses fees are approximately US\$215 for the 900 MHz band, US\$305 for the 2.4 GHz band and US\$460 for the 5 GHz band.</p> <p>For more information please visit: http://www.volweb.cz/horvitz/os-info/nicaragua.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.telcor.gob.n/DescargarDocumento.asp?REC_ID=207 (Spanish only) • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/NICARAGUA.doc

	Reports
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- <http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf>

General information	Spectrum Authority Autoridad Nacional de los Servicios Públicos (ASEP)
	Contact Details Location: Vía España, Edificio Office Park, Planta Baja local No. 5, Ciudad de Panamá Postal Address: 0816-01235, Zona 5 Panamá International Telephone: 507 508 4500 Fax: 507 508 4600 E-mail: atencionalusuario@asep.gob.pa Website: http://www.enteregulador.gob.pa/radiotv/frecuencias/default.asp
Spectrum Policy and Planning	Introduction http://www.enteregulador.gob.pa/radiotv/frecuencias/default.asp (Spanish Only)
	Legislation For information on Legislation please visit: http://www.enteregulador.gob.pa/radiotv/legislacion.asp (Spanish only)
	Radio Frequency Register Wireless communication devices do not require registration but WiFi network does. There is no fee for indoor networks. For the information on frequency registration please visit: http://www.enteregulador.gob.pa/radiotv/registrofrecuencias.pdf (Spanish Only) The authority uses auction method to assign the spectrum.
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.ersp.gob.pa/telecom/formularios/PNAFAprobado.pdf (Spanish Only) • http://wireless.fcc.gov/auctions/data/papersAndStudies/spicer.pdf
	Reports <ul style="list-style-type: none"> • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

General information	Spectrum Authority Comisión Nacional de Telecomunicaciones
	Contact Details Location: Comisión Nacional de Telecomunicaciones Yegros Nro. 437 y 25 de Mayo Postal Address: Comisión Nacional de Telecomunicaciones Yegros Nro. 437 y 25 de Mayo International Telephone : 440 020 R.A Fax: N/A E-mail: gar@conatel.gov.py Website: http://www.conatel.gov.py/licencias.htm (Spanish only)
Spectrum Policy and Planning	Introduction http://www.conatel.gov.py/rnst.htm (Spanish only)
	Legislation For information on legislation please visit: http://www.conatel.gov.py/MARCOLEGAL.htm (Spanish only)
	Radio Frequency Register For information on licensing please visit: <ul style="list-style-type: none"> • http://www.conatel.gov.py/OBTENCIONDELICENCIAS.htm (Spanish only) • http://www.conatel.gov.py/rnst.htm (Spanish only)
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.conatel.gov.py/MARCOLEGAL.htm (Spanish only)
	Reports <ul style="list-style-type: none"> • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

General information	Spectrum Authority Ministry of Transport and Communication
	Contact Details Location: Jr. Zorritos 1203 - Lima 1 Postal Address: N/A International Telephone : 315 7800 Fax: N/A E-mail: http://www.mtc.gob.pe/portal/home/contactenos.asp Website: http://www.mtc.gob.pe/ (Spanish only)
Spectrum Policy and Planning	Introduction http://www.mtc.gob.pe/portal/home/organizacion.htm (Spanish only)
	Legislation For information on legislation please visit: http://www.mtc.gob.pe/indice/inicio.asp (Spanish only)
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.pangtel.gov.pg/Legislation/legislation.htm (Spanish only) • http://www.osiptel.gob.pe/Index.ASP?T=P&P=2728 (Spanish only) • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/PERU1.doc (Spanish only)
	Reports <ul style="list-style-type: none"> • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf • http://www.apectelwg.org/admin/document/documents/Apectel%2031%20Update2005(1)_PERU%20FINAL%201%20abril.doc

General information	Spectrum Authority Ministry of Telecommunication and Technology
	Contact Details Location: Church Street, Basseterre Postal Address: International Telephone: 869 865 2792 Fax: 869 465 1778 E-mail: dmin@caribsurf.com Website: N/A
Spectrum Policy and Planning	Introduction Ministry of telecommunication and technology manages spectrum. Spectrum license is granted by ministry of telecommunication and technology with the advice of ECTEL and NTRC
	Legislation The authority uses Russian federation law on telecommunication for licensing and managing the spectrum.
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.wilac.net/descargas/documentos/Caribe-regionalradiospectrumplan.pdf
	Reports <ul style="list-style-type: none"> • http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20-MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

General information	Spectrum Authority National Telecommunication Regulatory Authority
	Contact Details Location: National Telecommunications Regulatory Commission Global Tile Building Bois D'Orange Postal Address: P. O. Box GM 690 Castries, St. Lucia International Telephone: 1 758 468 4320 Fax: 1 758 453 2769 E-mail: vdaniel@gosl.gov.lc Website: http://www.ntrc.org.lc/spectrum_monitoring_management.htm
Spectrum Policy and Planning	Introduction The authority is responsible for the managing, monitoring and licensing radio spectrum.
	Legislation The authority uses regulation no 13 of 2002 for licensing and authorizing spectrum. For more information please visit: http://www.ntrc.org.lc/Laws%20and%20Regulations/Telecoms%20Regulations/No.%2013%-20of%202002.pdf
	Radio Frequency Register For the information on frequency registration and different spectrum licenses issued to public please visit: <ul style="list-style-type: none"> • http://www.ntrc.org.lc/Licences_FA_Register.htm • http://www.ntrc.org.lc/forms_registers.htm
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.ntrc.org.lc/frameworks.htm • http://www.ntrc.org.lc/operational_structures.htm • http://www.wilac.net/descargas/documentos/Caribe-regionalradiospectrumplan.pdf
	Reports <ul style="list-style-type: none"> • http://www.sma.gov.jm/publications/presentations/2005/Telecommunications_in_Jamaica.ppt#303,1, Telecommunications in Jamaica and the Caribbean Present Scenario and Perspectives • http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

<p>General information</p>	<p>Spectrum Authority National Telecommunications Regulatory Commission</p>
	<p>Contact Details</p> <p>Location: Kingstown: St. Vincent</p> <p>Postal Address: NTRC:KCCU Financial Centre Granby Street - Kingstown: St. Vincent</p> <p>International Telephone: 784 457 2279</p> <p>Fax: 784 457 2834</p> <p>E-mail: info@ntrc.vc</p> <p>Website: http://www.ntrc.vc/about.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The commission is responsible for planning, supervising, regulating and managing the radio frequency. It manages spectrum in combination with Eastern Caribbean telecommunication authority. In addition, the commission uses spectrum management regulation and regional spectrum plan for managing its spectrum.</p> <p>For more information please visit: http://www.ntrc.vc/spectrum.htm</p>
	<p>Legislation</p> <p>NTRC has used the power granted by section 72 of telecommunication act 2001 to make regulation on spectrum management. Spectrum management regulation 2002 is use to regulate the proper use of spectrum.</p> <p>For information on recent legislation please visit: http://www.ntrc.vc/regulations/Spectrum%20Man%202002%20SRO%20NO%2012.pdf</p>
	<p>Radio Frequency Register</p> <p>All radio communication licenses should be registered. Some radio communication apparatus needs approval, whereas others are exempted. Individual and class license are granted for the use of spectrum.</p> <p>For information on licenses please visit: http://www.ntrc.vc/registry/index.htm</p> <p>For information on frequency allocation please visit: http://www.ntrc.vc/spectrum2.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.ntrc.vc/spectrumplanrevised.pdf • http://www.wilac.net/descargas/documentos/Cariberegionalradiospectrumplan.pdf

	<p>Reports</p> <ul style="list-style-type: none">• http://www.sma.gov.jm/publications/presentations/2005/Telecommunications_in_Jamaica.ppt#303,1, Telecommunications in Jamaica and the Caribbean Present Scenario and Perspectives• http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf
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General information	Spectrum Authority Head radio control department
	Contact Details <p>Location: Paramaribo ,Suriname</p> <p>Postal Address: Telesur 1 Heiligenweg P.O. Box 1839 Paramaribo ,Suriname</p> <p>International Telephone : 597 54 5022</p> <p>Fax: 597 54 6157</p> <p>E-mail: telesurbrc@sr.net</p> <p>Website: www.telesur.sr/website/home.asp?menuid=3</p>
Spectrum Policy and Planning	Introduction The government of Suriname is concerned about its nation’s spectrum management and is in the process of making regulation of spectrum management and fees collection.
	Legislation Suriname has the national law governing the spectrum management but the regulation and procedure for spectrum management has not yet been published. For more information please visit: http://72.14.221.104/search?q=cache:wvkXGHCsFhwJ:-www.itu.int/ITU-D/study-groups/SGP_1998-2002/JGRES09/pdf/suriname.pdf+Telesur/+suriname+/-spectrum+management&hl=en&ct=clnk&cd=1
	Radio Frequency Register Government is planning to make methods for collecting fee from spectrum users. For more information please visit: www.itu.int/ITU-D/study_groups/SGP_1998-2002/JGRES09/pdf/suriname.pdf#search=%22Telesur%2F%20-suriname%20%2F-spectrum%20management%22
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://devdata.worldbank.org/ict/sur_ict.pdf • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SUDAN.doc
	Reports <ul style="list-style-type: none"> • http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20-MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf

1.1.2.32 Trinidad & Tobago

<p>General information</p>	<p>Spectrum Authority Telecommunications Authority of Trinidad and Tobago</p> <hr/> <p>Contact Details</p> <p>Location: Telecommunications Authority of Trinidad and Tobago San Juan, Republic of Trinidad & Tobago.</p> <p>Postal Address: Suites 3-5, BEN Court, 76 Boundary Road, San Juan, Republic of Trinidad & Tobago.</p> <p>International Telephone : 1 868 675</p> <p>Fax: 1 868 674 1055</p> <p>E-mail: info@tatt.org.tt</p> <p>Website: http://www.tatt.org.tt/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The responsibility of Telecommunication authority of Trinidad and Tobago in the filed of spectrum management are planning, supervising, regulating and managing the use of the radio frequency spectrum and allocating, assigning and reallocating frequency bands. In addition, it also investigates unauthorized use of radio frequencies.</p> <hr/> <p>Legislation</p> <p>Under the Telecommunications Act of 2001, the Telecommunications Authority of Trinidad and Tobago (TATT) is mandated to manage the radio frequency spectrum in Trinidad and Tobago.</p> <p>For more information please visit: http://www.tatt.org.tt/ddocs/Radio%20Spectrum%20regulations-Final%20Draft%20Nov%2025th.pdf</p> <hr/> <p>Radio Frequency Register</p> <p>N/A</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.tatt.org.tt/ddocs/spectrum%20mgmt%20policy%20-revised%20Nov21.pdf • http://www.tatt.org.tt/ddocs/Radio%20Spectrum%20regulations-Final%20Draft%20Nov%2025th.pdf

	<p>Reports</p> <ul style="list-style-type: none">• http://www.sma.gov.jm/publications/presentations/2005/Telecommunications_in_Jamaica.ppt#303_1, Telecommunications in Jamaica and the Caribbean Present Scenario and Perspectives• http://www.mct.gov.jm/DRAFT%20%20REGIONAL%20SPECTRUM%20MANAGEMENT%20POLICY%20FRAMEWORK%20_v2_.pdf
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<p>General information</p>	<p>Spectrum Authority Federal Communications Commission (FCC)</p>
	<p>Contact Details</p> <p>Location: Federal Communications Commission Washington; USA</p> <p>Postal Address: Federal Communications Commission 445 12th Street SW Washington, DC 20554</p> <p>International Telephone : 1 888 225 5322</p> <p>Fax: 1 888 835 5322</p> <p>E-mail: fccinfo@fcc.gov</p> <p>Website : http://www.fcc.gov/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>FCC is responsible for regulating interstate and international communication through radio, television, satellite, wire and cable. It addition, it is responsible for issuing license and collecting fees.</p> <p>It uses the best practices to manage the national radio frequencies. For the information on the different best practices it uses to manage its spectrum please visit: http://www.fcc.gov/ib/sand/irb/bestpractices.html</p> <p>FCC together with National Telecommunications and Information Administration make regulation for radio spectrum.</p> <p>For more information please visit: http://www.fcc.gov/oet/spectrum/</p> <p>Legislation</p> <p>Section 6003 (a) of the Omnibus Budget Reconciliation Act of 1993 (Public Law 103-66) added a new Section 9 to the Act. Section 9 (a) of the Communications Act authorizes the Commission to collect annual regulatory fees</p> <p>In Section 8 of the Omnibus Reconciliation Act of 1989 (Title III, Section 3001 of the Omnibus Budget Reconciliation Act of 1989 (Public Law 101-239), Section 8, revising 47 U.S.C. 158), Congress authorized the FCC to impose and collect application processing fees</p> <p>Omnibus Budget Reconciliation Act 1998 has given authority for FCC to issue licenses.</p>

	<p>Radio Frequency Register</p> <p>Frequency band from 9 kHz and 275 GHz has been allocated. All the radio spectrum has to be registered. FCC uses auction method for issuing the license.</p> <p>For full details of this table please visit: http://www.fcc.gov/oet/spectrum/</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.fcc.gov/sptf/reports.html • http://www.ntia.doc.gov/forums/2006/specman/ntia_pitsch.pdf • http://www7.nationalacademies.org/bpa/BPA_Presentation_Apr06_Gergely.pdf
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.its.bldrdoc.gov/isart/art06/slides06/sta_e/sta_e_slides.pdf

General information	Spectrum Authority Uruguay Unidad Reguladora de Servicios de Comunicaciones (URSEC):
	Contact Details Location: Montevideo; Uruguay Postal Address: URSEC Uruguay 988 cp 11100 Montevideo Uruguay International Telephone : 598 2 9028082 Fax: 598 2 9005708 E-mail: N.A. Website: www.ursec.gub.uy (Spanish only)
Spectrum Policy and Planning	Introduction URSEC is responsible for the managing, monitoring and licensing the spectrum.
	Legislation For information on legislation please visit: http://www.ursec.gub.uy/S_telecom/espectro.htm (Spanish only)
	Radio Frequency Register The department uses competitive process, auction, for the allocation of radio frequency in the band of 1800 MHz and 1900MHz For more information please visit: http://www.ursec.gub.uy/S_telecom/s_telecom_i.htm http://www.ursec.gub.uy/S_telecom/Tramites/tramites.htm (Spanish only)
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.commsmanagement.org/library/organisations.aspx?id=16 (Spanish only) • http://www.ursec.gub.uy/Docs/S_telecom/cuadro_de_atribucion.PDF (Spanish only)
	Reports <ul style="list-style-type: none"> • http://www.ursec.gub.uy/Publicaciones/publicaciones_i.htm (Spanish only) • http://www.gmu.edu/departments/law/faculty/papers/docs/06-44.pdf

<p>General information</p>	<p>Spectrum Authority</p> <p>Comision Nacional de Telecomunicaciones República Bolivariana de Venezuela (CoNaTel)</p> <hr/> <p>Contact Details</p> <p>Location: Ministerio de Infraestructura Comision Nacional de Telecomunicaciones República Bolivariana de Venezuela Caracas , Venezuela</p> <p>Postal Address: Planta Baja de la Torre MINFRA Av. Francisco de Miranda Chacao, Caracas-Venezuela</p> <p>International Telephone: 0212 201 59 40</p> <p>Fax: 0212 201 55 58</p> <p>E-mail: conatel@conatel.gob.ve</p> <p>Website: http://www.conatel.gov.ve (Spanish only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The mission of CONATEL is to manage the radio spectrum effectively and efficiently and to allocate, assign and monitor the proper user of spectrum.</p> <hr/> <p>Legislation</p> <p>Legislation pertaining to spectrum usage and allocation can be found by following these links:</p> <ul style="list-style-type: none"> • http://www.conatel.gov.ve/marco_legal.htm (Spanish only) • http://www.conatel.gov.ve/espectro.htm (Spanish only) <hr/> <p>Radio Frequency Register</p> <ul style="list-style-type: none"> • http://www.conatel.gov.ve/rnt.asp (Spanish only)
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.conatel.gov.ve/downloads/marco_legal/ley_gaceta.zip (Spanish only) • http://www.itu.int/ITU-D/study_groups/SGP_20022006/JGRES09/VENEZUELA.doc <hr/> <p>Reports</p> <ul style="list-style-type: none"> • N.A

1.1.3 ASIA

1.1.3.1 Afghanistan

ASIA	
General information	<p>Spectrum Authority Ministry of Communication The Radio Inspection Department</p> <hr/> <p>Contact Details</p> <p>Location: Ministry of Communications, Kabul, Afghanistan</p> <p>Postal Address: Ministry of Communications Mohd Jan Khan Watt, Kabul, Afghanistan</p> <p>International Telephone 93 20 210 1179</p> <p>Fax: N/A</p> <p>E-mail: arian@moc.gov.af</p> <p>Website: http://www.moc.gov.af/spectrumd.asp</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>Radio Inspection department manages the spectrum of the country. The department is divided into Frequency management unit, Licensing Unit and Radio monitoring unit. The department takes recommendation from International Telecommunication Unit (ITU) for the better spectrum management.</p> <p>For more information please visit: http://www.moc.gov.af/spectrum.asp</p> <hr/> <p>Legislation</p> <p>Afghanistan uses telecommunication law of 1382 to provide licenses for telecommunication services.</p> <hr/> <p>Radio Frequency Register</p> <p>There are licensed radio spectrum and unlicensed radio spectrum in Afghanistan. License is required to use radio spectrum which is issued by spectrum management office. Unlicensed radio spectrum is adopted and published by TRAA. Unlicensed radio spectrum is issued locally for services like networks for data applications and internet.</p> <p>For more information please visit: http://www.moc.gov.af/Documents/Policies%20and%20Laws-MoC/Telecommunication%20policy-English.pdf</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.moc.gov.af/Projects/sms.asp • http://trb.gov.af/trb.htm

	<p>Reports</p> <ul style="list-style-type: none">• http://www.ppiaf.org/Gridlines/1afghan.pdf#search=%22Afghanistan%20spectrum%20management%20(reports)%22
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<p>General Information</p>	<p>Spectrum Authority</p> <p>Republic Centre of Telecommunication</p> <hr/> <p>Contact Details</p> <p>Location: 29, Tbilisian Highway, Yerevan, 3750941 Republic of Armenia</p> <p>Postal Address: 29, Tbilisian Highway, Yerevan, 3750941 Republic of Armenia</p> <p>International Telephone : 374 1 28 87 17</p> <p>Fax: 374 1 28 86 83</p> <p>E-mail: ether@web.am</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>It is responsible for the management of spectrum including licensing, distribution, monitoring and allocation of frequency table. The responsibilities are divided among Frequency management department, enforcement department and licensing department. Republic centre of Telecommunication reports to ministry of transport and communication. In addition, licenses fees are collected by ministry of transport and communication.</p> <p>There has been spectrum re-development in Armenia.</p> <hr/> <p>Legislation</p> <p>It uses following regulatory texts to govern its national spectrum management processes. Article 13, Law of Armenian Republic “On Telecommunications”(17 February 2002; N614 (20 November 1999) Decree of Armenian Government .</p> <p>It uses National Declaration of Compliance to ensure radiocommunication equipment compliance with the technical requirement.</p>
	<p>Radio Frequency Register</p> <p>There is radio frequency allocation table from 960-3000MHz. The total number of frequency assignment is 1342 and total number of license issued is 673.</p> <p>The upper limit of the mobile monitoring station is 1000MHz and upper frequency limit of mobile direction finding stations is 1000MHz . The upper frequency of the transportable monitoring station 2600 MHz and upper frequency of the transportable direction finding station is 2600 MHz.</p> <p>It uses Frequency, receiver’s power, out-of-band emission, harmonics as a technical parameter to inspect radio system</p>

	Television and radio companies are partially exempted. The administration of state of emergency is fully exempted. Others have to pay the license fee.
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ARMENIA.doc
	Reports <ul style="list-style-type: none"> • N/A

1.1.3.3 Azerbaijan

General information	<p>Spectrum Authority Ministry of Communications and Information Technologies</p>
	<p>Contact Details</p> <p>Location: Ministry of Communications and Information Technologies Baku, AZ-1000, Azerbaijan av. 33 Azerbaijan</p> <p>Postal Address: Baku, AZ-1000, Azerbaijan av. 33 Azerbaijan</p> <p>International Telephone : 99 412 493 0004</p> <p>Fax: 99 412 498 7912</p> <p>E-mail: info@mincom.gov.az</p> <p>Website: http://www.mincom.gov.az/new/index.aspx</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>For information on legislation please visit:</p> <ul style="list-style-type: none"> • http://www.mincom.gov.az/new/senedler/qanunlar/default.aspx?lg=2 • http://www.mincom.gov.az/new/senedler/qerarlar/default.aspx?lg=2 • http://www.mincom.gov.az/new/senedler/esasname/default.aspx?lg=2 • http://www.mincom.gov.az/new/senedler/fermanlar/default.aspx?lg=2
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority</p> <p>Directorate of Wireless Licensing Frequency and Monitoring</p>
	<p>Contact Details</p> <p>Location: Manama ; Bahrain</p> <p>Postal Address: P.O.Box 26627,Manama, Kingdom of Bahrain</p> <p>International Telephone : 973 715 111</p> <p>Fax: 973 715 030</p> <p>E-mail: dlnf@batelco.com.bh</p> <p>Website:</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The authority is responsible for monitoring and inspecting the use of radio communication. Telecommunications Regulatory Authority together with Ministry of Transport have made spectrum policy and planning.</p> <p>For more information please visit: http://www.tra.org.bh/en/pdf/spectrum_policy_TRA_MOT_final.pdf</p> <p>Legislation</p> <p>The country uses telecommunication law for the distributing, licensing and collecting fees of radiocommunication.</p> <p>Radio Frequency Register</p> <p>There is national frequency allocation table from the range 960-3000 MHz. The upper limit of the fixed monitoring station is 1000MHz, the upper limit of the direction finding station is 1000MHz. The upper limit of the mobile monitoring station is 18000 MHz and upper limit of the mobile direction finding station is 1300 MHz. The upper limit of the transportable monitoring station is 1000MHz and the upper limit of the transportable direction finding station is 1000MHz.</p> <p>For information on frequency registration table please visit: http://www.tra.org.bh/en/pdf/Frequency_Allocation_Summary_v5.pdf</p> <p>The authority issue class license and individual license for the radiocommunication service. Fixed wireless access licenses with the frequency range 3500 MHz – 3545 MHz and 3545 MHz – 3590 MHz are auctioned.</p> <p>For more information please visit: http://www.tra.org.bh/en/NFWS.asp</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.tra.org.bh/en/pub-Annual.asp• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/BAHRAIN.doc
	Reports <ul style="list-style-type: none">• http://www.tra.org.bh/en/pdf/spectrum_policy_TRA_MOT_final.pdf

1.1.3.5 Bangladesh

<p>General information</p>	<p>Spectrum Authority Bangladesh Telecommunication Regulatory Commission (BTRC)</p> <hr/> <p>Contact Details</p> <p>Location: BTRC Dhaka; Bangladesh</p> <p>Postal Address: Bangladesh Telecommunication Regulatory Commission (BTRC) House 10, Road 135, Gulshan 01 Dhaka 1212, Bangladesh</p> <p>International Telephone: 880 2 989 39179</p> <p>Fax: 880 2 989 0029</p> <p>E-mail: btrc@btrc.org.bd</p> <p>Website: http://www.btrc.org.bd/index.html</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>BTRC is responsible for managing, licensing and collecting fee for radio spectrum.</p> <hr/> <p>Legislation</p> <p>BTRC uses The Bangladesh Telecommunications Act No. 18 of 2001 to license and authorize a radiocommunications apparatus, to manage, monitor and control electro magnetic energy and to issue technical certificate.</p> <p>For more information please visit: http://www.btrc.org.bd/telecomact.htm</p> <hr/> <p>Radio Frequency Register</p> <p>For information on different licensing procedure and registration please visit: http://www.btrc.org.bd/licencing_regulation.htm</p> <p>For information on the radio frequency charges please visit: http://www.btrc.org.bd/radio_frequency_charge.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.btrc.org.bd/index.html • http://www.aptsec.org/meetings/2005/PRF05/docs/PRF-05-ID-05-Bangladesh%20Telecoms%20Reg..doc • http://www.saarcnet.com/newsarcanet/govtpolicies/bangladesh/telecommu.htm

	Reports
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www.btrc.org.bd/final_report_nfap.pdf

<p>General information</p>	<p>Spectrum Authority</p> <p>Bhutan Information Communications & Media Authority</p>
	<p>Contact Details</p> <p>Location: Bhutan Information Communications & Media Authority Ministry of Information & Communications Royal Government of Bhutan Thimphu</p> <p>Postal Address: Bhutan Information Communications & Media Authority Ministry of Information & Communications Royal Government of Bhutan Post Box 1072, Thimphu</p> <p>International Telephone : 975 2 321506</p> <p>Fax: 975 2 326909</p> <p>E-mail: bca@druknet.bt</p> <p>Website: www.bca.gov.bt</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>BICMA is responsible for allocating the radio frequency according to the national plan and monitoring the illegal use of radio equipment. It addition, it updates and maintains radio spectrum plan. For more information please visit: http://www.bca.gov.bt/</p> <p>Frequency fee is set by radiocom sector with the approval from director. Frequency fees are paid the government account.</p> <p>Legislation</p> <p>It uses nation radio regulation 1999 for managing nation spectrum.</p> <p>Radiocommunication License is issued in accordance with regulation 1999 section 14. Licenses, except issued on exemption, are transferable. It uses Bhutan Telecommunication Act 1999 to authorized radiocommunication apparatus. Radiocom station is partially exempted ,whereas security and UN is fully excmpted.</p> <p>For more information please visit: http://www.bca.gov.bt/bta/btaforms/Radio%20terms%20and%20conditions%20pdf.pdf</p> <p>Radio Frequency Register</p> <p>Radio frequency should be registered, licensed and paid. Some of the frequencies are exempted but still they should be registered.</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.bta.gov.bt/• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/BHUTAN.doc
	Reports <ul style="list-style-type: none">• http://www.bta.gov.bt/bta/btaforms/nrrfinal.pdf?download.shtml=download

<p>General information</p>	<p>Spectrum Authority Authority for Info-communications Technology Industry for Brunei Darussalam</p>
	<p>Contact Details</p> <p>Location: Authority for Info-communications Technology Industry for Brunei Darussalam Kampung Anggerek Desa, Negara Brunei Darussalam</p> <p>Postal Address: Authority for Info-communications Technology Industry for Brunei Block B14, Simpang 32-5 Kampung Anggerek Desa, Jalan Berakas BB3713 Negara Brunei Darussalam</p> <p>International Telephone : 673 2323 232</p> <p>Fax: 673 2382 447</p> <p>E-mail: info@aiti.gov.bn</p> <p>Website: http://www.aiti.gov.bn</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Authority for Info-communications Technology Industry for Brunei Darussalam is a government authority responsible for development of ICT industry, licensing and management of national radio frequency spectrum.</p>
	<p>Legislation</p> <p>It uses following legislation for the management of spectrum.</p> <ul style="list-style-type: none"> • Telecommunication Successor Company Order, 2001; • Authority for Info-communications Technology Industry of Brunei Darussalam (AiTi) Order, 2001; and • Telecommunications Order, 2001 <p>For information on Legislation please visit: http://www.agc.gov.bn/gazette/Gazette01.pdf</p>
	<p>Radio Frequency Register</p> <p>For information on radio frequency licensing and fees please visit: http://www.aiti.gov.bn/licensing/index.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A

	Reports <ul style="list-style-type: none"><li data-bbox="516 163 609 195">• N/A
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1.1.3.8 Cambodia

General information	<p>Spectrum Authority Ministry of Posts and Telecom</p>
	<p>Contact Details</p> <p>Location: Wat Phnom, Corner of Street 13&102 Phnom Penh, Cambodia</p> <p>Postal Address: Wat Phnom, Corner of Street 13&102 Phnom Penh, Cambodia</p> <p>International Telephone: 855 23 426510</p> <p>Fax: 855 23 426011</p> <p>E-mail: N/A</p> <p>Website: www.mptc.gov.kh</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>Ministry of Posts and Telecom is responsible for planning frequency, making regulations, licensing and inspecting unauthorized used of frequencies.</p>
	<p>Legislation</p> <p>For information on legislation please visit: www.mptc.gov.kh</p>
	<p>Radio Frequency Register</p> <p>For information on frequency inspection please visit: http://www.mptc.gov.kh/</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.cdg.org/technology/3g/SpectrumPolicy/anatel_english/Anatel.asp

1.1.3.9 China

<p>General information</p>	<p>Spectrum Authority Ministry of Information Industry (Radio Regulatory Department)</p> <hr/> <p>Contact Details</p> <p>Location: Beijing China</p> <p>Postal Address: No.80 , Beilishi Road , Beijing , 100037 , China</p> <p>International Telephone: 660 122 37</p> <p>Fax: 660 583 56</p> <p>E-mail: liulihua@src.gov.cn</p> <p>Website: http://www.mii.gov.cn/ www.cnii.com.cn</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Radio regulatory department handles the spectrum management. The department ensures the efficient use of radio spectrum. In addition, it monitors various operations of radio services. The monitoring of the spectrum is done by frequency management department (30%), enforcement department (30%) and licensing department (30%)</p> <p>For more information please visit: http://www.itu.int/ITU-D/treg/Events/Seminars/2002/china/pdf/41-doc9-2-liulihua.pdf#search=%22china%2Fspectrum%20policy%22</p> <hr/> <p>Legislation</p> <p>For more information please visit: http://www.mii.gov.cn/ (Chinese only)</p> <hr/> <p>Radio Frequency Register</p> <p>Both tender and auction policy is used to distribute the spectrum. It uses tender policy to grant 3.5Ghz spectrum to be use for broad band fixed wireless. It is anticipated that the granted frequency will only be used for cellular backhaul connectivity and for the variety of access applications such as corporate network access, voice cafe and Internet cafe access.</p> <p>For more information please visit:</p> <ul style="list-style-type: none"> • http://www.c114.net/cn-c11404/policy_html/80-1.Html • http://www.findarticles.com/p/articles/mi_m0IGP/is_8_4/ai_78359013 <p>In case of violation of rules penalty fees are charged.</p> <p>Information on frequency allocation plan from 960-3000MHz can be found in t: http://www.itu.int/ITU-D/treg/Events/Seminars/2002/china/pdf/41-doc9-2-liulihua.pdf#search=%22china%2Fspectrum%20policy%22</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CHINA.doc
	Reports <ul style="list-style-type: none">• http://www.riit.tsinghua.edu.cn/news.do?action=ListDetail&ID=1304• http://strategis.gc.ca/epic/internet/inimr-ri.nsf/en/gr122491e.html

<p>General information</p>	<p>Spectrum Authority Department of Electronic Communications</p>
	<p>Contact Details</p> <p>Location: Department of Electronic Communications Nicosia Cyprus</p> <p>Postal Address: Postal Address: PO Box 24647, 1302 Nicosia</p> <p>International Telephone : 357 22 814 840</p> <p>Fax: 357 22 321 925</p> <p>E-mail: info.dec@mcw.gov.cy</p> <p>Website: www.mcw.gov.cy/mcw/mcw.nsf/dmlindex_en/-dmlindex_en?opendocument</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Minister of Communications and Works is responsible for the overall policy of radio spectrum. DEC is responsible for the management of the radio spectrum and also advises the Minister on radio spectrum policy issues. DEC develops and maintains the National Frequency Plan; it authorizes the use of the radio spectrum (including the assignment of frequencies to broadcasting stations) and monitors spectrum usage.</p> <p>There has been spectrum re-development in the country.</p>
	<p>Legislation</p> <p>It uses the Radiocommunications Law of 2002 (Law 146(I) of 2002) for the management of spectrum.</p> <p>For more information about Cyprus's legislation infrastructure please visit: http://www.mcw.gov.cy/mcw/dec/dec.nsf/DMLregulations_en/DMLregulations_en?OpenDocument</p>
	<p>Radio Frequency Register</p> <p>For information on radio frequency plan on Cyprus please visit: http://www.mcw.gov.cy/mcw/dec/dec.nsf/all/292484CFC7013DD4C2256EBA0023D447/\$file/Radiofrequency%20Plan%20of%20the%20Republic-27-10-2005-english.pdf?openelement</p> <p>The upper limit of the mobile monitoring station is 3000MHz and upper limit of mobile direction station is 1000 MHz</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.mcw.gov.cy/mcw/dec/dec.nsf/DMLdecisions_en/DMLdecisions_en?OpenDocument• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CYPRUS.doc
	Reports <ul style="list-style-type: none">• N/A

<p>General information</p>	<p>Spectrum Authority Georgia Technology Authority The State Frequency Co-coordinator</p>
	<p>Contact Details</p> <p>Location: Atlanta, Georgia</p> <p>Postal Address: State Frequency Coordinator Georgia Technology Authority 200 Piedmont Avenue Atlanta, GA 30334-9010</p> <p>International Telephone: 404 6562042</p> <p>Fax: 404 657 0320</p> <p>E-mail: sshavgulidze@gnce.ge</p> <p>Website: http://www.gaapco.com/html/frequency_adv.html</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The state frequency Coordinator manages the radio spectrum. The main objective of the state frequency coordinator is to insure that the radio systems are maintained free of interference, and the state public safety frequency needs are met.</p> <p>For more information please visit: http://gta.georgia.gov/vgn/images/portal/cit_1210/2555641-Radio_Frequency_Coordination_031203.pdf</p>
	<p>Legislation</p> <p>It uses public safety radio services act of 1975 for the management of radio frequency</p> <p>For more information please visit: http://www.gaapco.com/html/frequency_adv.html</p>
	<p>Radio Frequency Register</p> <p>A user has to fulfill the requirements in order to get the radio license. Licenses are renewed, update and modified as necessary. While licensing, the authority uses universal licensing system and registration of tax identification number.</p> <p>For more information please visit: http://www.gaapco.com/html/frequency_adv.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.bisnis.doc.gov/bisnis/bisdoc/030610ggwireless.htm

1.1.3.12 Hong Kong

General information	<p>Spectrum Authority Office of the Telecommunications Authority (OFTA)</p> <hr/> <p>Contact Details</p> <p>Location: OFTA Wan Chai Hong Kong</p> <p>Postal Address: OFTA 29/F Wu Chung House 213 Queens Road East Wan Chai Hong Kong</p> <p>International Telephone : 852 2961 6333</p> <p>Fax: 852 2803 5110</p> <p>E-mail: webmaster@ofta.gov.hk</p> <p>Website: http://www.ofta.gov.hk/</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>The aim of OFTA is to ensure efficient utilization of the radio frequency spectrum and the satellite orbital positions. OFTA's responsibilities include the assignment of radio frequencies, investigation into interference complaints, licensing private telecommunications services and prosecuting illegal use of telecommunications equipment. It coordinates with frequency management authorities outside Hong Kong to prevent interference among radio services of neighbouring countries.</p> <hr/> <p>Legislation</p> <p>For information on legislation please visit: http://www.ofta.gov.hk/en/legislation/main.html</p> <hr/> <p>Radio Frequency Register</p> <p>It uses tender method for the distribution of its frequencies.</p> <p>For information on frequency allocations please visit: http://www.ofta.gov.hk/en/numbering/noplan.pdf</p> <p>For information on the frequency chart please visit: http://www.ofta.gov.hk/wap/welcome.wml</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.ofa.gov.hk/en/publications/main.html• http://www.ofa.gov.hk/en/speech-presentation/20050215.pdf• http://www.ofa.gov.hk/en/press_rel/2006/Jan_2006_r4.html
	Reports <ul style="list-style-type: none">• http://www.citb.gov.hk/ctb/eng/paper/pdf/SPR-Final_report.pdf

<p>General information</p>	<p>Spectrum Authority Ministry of Communications and Information Technology Advisory Committee on Radio Frequency Allocation (SACFA) Licensing and Regulation (LR)</p> <hr/> <p>Contact Details</p> <p>Location: Ministry of Communications and Information Technology New Delhi India</p> <p>Postal Address: Ministry of Communication and Information Technology Sanchar Bhavan, 20 Ashoka Road, New Delhi – 110001</p> <p>International Telephone : 11 3719 898</p> <p>Fax: 11 371 1514</p> <p>E-mail: wawpc@vsnl.com</p> <p>Website: http://www.wpc.dot.gov.in</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>SACFA is responsible for frequency allocation and planning, whereas Licensing and Regulation (LR) is responsible for issuing spectrum license.</p> <hr/> <p>Legislation</p> <p>It uses wireless Act 1933 for managing spectrum.</p> <p>For more information please visit: http://www.wpc.dot.gov.in/rules_regulation.asp</p> <hr/> <p>Radio Frequency Register</p> <p>For information on the national register for frequency allocations please visit: http://www.wpc.dot.gov.in/DocFiles/3-NATIONAL%20FREQUENCY%20TABLE.DOC</p> <p>India has recently implemented a system of online applications, in order to create a faster and more efficient system of allocation.</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.wpc.dot.gov.in/

	<p>Reports</p> <ul style="list-style-type: none">• http://www.trai.gov.in/trai/upload/recommendations/11/-SpectrumReco.pdf• Radio resource management in highly populated developing countries
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<p>General information</p>	<p>Spectrum Authority Directorate General of Post and Telecommunication Radio Frequency Spectrum and Satellite Orbit</p> <hr/> <p>Contact Details</p> <p>Location: Gedung Sapta Pesona Jakarta 10110 Indonesia</p> <p>Postal Address: Gedung Sapta Pesona JI. Medan Merdeka Barat No.17 Jakarta 10110 Indonesia</p> <p>International Telephone: 62 21 383 5955</p> <p>Fax: 62 21 3860754</p> <p>E-mail: admin@postel.go.id</p> <p>Website: www.postel.go.id/utama.aspx?MenuId=2&LangID=EN</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Radio Frequency Spectrum and Satellite Orbit is responsible for the management and distribution of radio spectrum.</p> <hr/> <p>Legislation</p> <p>For information on Frequency regulations for Indonesia please visit: http://www.postel.go.id/utama.aspx?MenuID=3&MenuItem=3</p> <hr/> <p>Radio Frequency Register</p> <p>For Information On the frequency register for Indonesia please visit: http://www.postel.go.id/content/EN/regulasi/frequency/kepmen/moc%5b1%5d.5.2001.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A <hr/> <p>Reports</p> <ul style="list-style-type: none"> • http://www.lirneasia.net/wp-content/uploads/2006/05/Indonesian%20Wi-Fi%20Study%201.2.pdf • http://www.mict.go.th/apectel31/load/wifi/AzharHasyim%20-%20Indonesia.pdf • http://www.internetpolicy.net/about/indonesia-assessment.pdf

<p>General information</p>	<p>Spectrum Authority Ministry of Posts, Telegraph and Telephone (PTT) National Telecommunication Service (TCI)</p>
	<p>Contact Details</p> <p>Location: Tehran 15598, Iran</p> <p>Postal Address: Directorate General of Telecommunications P.O.Box 15875-4415, Tehran</p> <p>International Telephone: 98 21 840 36 12</p> <p>Fax: 98 21 867 999</p> <p>E-mail: hamed@radtel.or.ir</p> <p>Website: http://irantelecom.ir/eng.asp?page=25&code=2&sm=0</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>TCI is one of the departments in PTT which is responsible for the management of the spectrum. It also monitors the proper utilization of spectrum. There has been spectrum re-development in Iran.</p> <p>For more information please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/IRAN.doc</p>
	<p>Legislation</p> <p>The ministry uses Rules and regulations approved by Islamic republic of Iran for the management of spectrum.</p>
	<p>Radio Frequency Register</p> <p>For information on national frequency table from 960 to 3000 MHz please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/IRAN.doc</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/IRAN.doc
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority The Iraqi National Communications and Media Commission (NMC)
	Contact Details Location: N/A Postal Address: N/A International Telephone: 96 417 180 009 Fax: N/A E-mail: enquiries@nmc.iq Website: http://www.nmc-iraq.org/index.htm
Spectrum Policy and Planning	Introduction The Iraqi National communication and media commission is an independent body responsible for the managing and licensing the spectrum.
	Legislation NMC is in the process of writing the new telecommunication law.
	Radio Frequency Register User provided with the spectrum license are authorized to install, conduct, update, manage and provide telecommunication services for the development of telecommunication service in the country. Iraqi National Communications and Media Commission lease the nation's spectrum to the user. User has to pay license fee and annual regulatory fee. User should also pay tax and should agree to sing performance bond for the period of 5 years. The license is given for the period of 10 years for national license and for the period of 5 years for provincial license. Each license should be renewed; national license and provincial license are renewed for 5 and 2 years respectively. http://www.nmc-iraq.org/NMC%20License%20WLL%2011%2025%2005%20(clean).pdf
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> http://www.usatoday.com/money/industries/technology/2003-04-16-wifi_x.htm
	Reports <ul style="list-style-type: none"> N/A

<p>General information</p>	<p>Spectrum Authority Ministry of Communications Spectrum Management and Frequency Licensing Division</p>
	<p>Contact Details</p> <p>Location: Ministry of Communications Tel Aviv Israel</p> <p>Postal Address: N/A</p> <p>International Telephone: 972 3 5198281</p> <p>Fax: N/A</p> <p>E-mail: dovrut@moc.gov.il</p> <p>Website: http://www.moc.gov.il/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The spectrum management and frequency licensing division is responsible for licensing and managing radio spectrum.</p>
	<p>Legislation</p> <p>It uses following law for the management of spectrum:</p> <ul style="list-style-type: none"> • Communications Law (Telecommunications and Broadcasting), 1982 • Wireless Telegraph Ordinance [New Version], 1972 • Second Authority for Television and Radio Law, 1990 • Categorization and Marking of Broadcasts Law, 2001 <p>For more information please visit: http://www.moc.gov.il/new/english/index.html and http://www.moc.gov.il/new/documents/order_31.8.04.pdf</p>
	<p>Radio Frequency Register</p> <p>For the table of frequency registration please visit: http://www.moc.gov.il/new/documents/freq_tbl16.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.moc.gov.il/new/english/index.html
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.moc.gov.il/new/documents/lect_25.04.01.ppt • http://www.moc.gov.il/new/documents/rfi_16.1.03.pdf

<p>General information</p>	<p>Spectrum Authority</p> <p>Telecommunications Bureau of the Ministry of Internal Affairs and Communications (MIC)</p> <hr/> <p>Contact Details</p> <p>Location: N/A</p> <p>Postal Address: N/A</p> <p>International Telephone: N/A</p> <p>Fax: N/A</p> <p>E-mail: N/A</p> <p>Website: http://www.tele.soumu.go.jp/e/index.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>In Japan, the Ministry of Internal Affairs and Communications is responsible for frequency management in accordance with the Radio Law. Its aim to promote public welfare, by ensuring the equitable and efficient use of radio waves.</p> <p>The Ministry of Internal Affairs and Communications council seeks public comment in order to maintain the transparency in making standards or policies for frequency management.</p> <hr/> <p>Legislation</p> <p>For information on legislation please visit http://www.soumu.go.jp/joho_tsusin/eng/laws_dt02.html</p> <hr/> <p>Radio Frequency Register</p> <p>The "Frequency Assignment Plan" is a table showing assignable frequencies in Japan. The Plan is established and disclosed by the Minister for Internal Affairs and Communications under the provisions of the item 1 of Article 26 of the Radio Law.</p> <p>For the full document please visit: http://www.tele.soumu.go.jp/e/search/share/plan.htm</p> <p>For more information on radio frequency registration please visit:</p> <ul style="list-style-type: none"> • http://www.tele.soumu.go.jp/e/freq/index.htm • http://www.tele.soumu.go.jp/e/proc/index.htm
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.soumu.go.jp/english/jyouhoutusin/001.html • http://www.johotsusintokei.soumu.go.jp/whitepaper/eng/WP2003/Chapter3-2.pdf • http://www.volweb.cz/horvitz/os-info/news-dec06-003.html

Reports

- <http://www.itu.int/osg/spu/ni/futuremobile/presentations/takeda-presentation.pdf>
- <http://www.itu.int/osg/spu/ni/spectrum/presentations/Paper-Ikeda.doc>

<p>General information</p>	<p>Spectrum Authority Telecoms Regulatory Authority</p> <hr/> <p>Contact Details</p> <p>Location: Telecoms Regulatory Authority Amman Jordan</p> <p>Postal Address: Telecoms Regulatory Authority PO BOX 850967 Amman 11185 Jordan</p> <p>International Telephone : 962 6 4606183</p> <p>Fax: 962 6 4606330</p> <p>E-mail: rayouti@jt.com.jo</p> <p>Website: http://www.trc.gov.jo/Static_English/main.shtm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Telecoms Regulatory Authority manages and licenses radio spectrum. In addition, it also makes and updates the regulatory framework.</p> <hr/> <p>Legislation</p> <p>It uses telecommunication law 13 and its amendments for the management of spectrum.</p> <p>For information on Jordanian frequency legislation please visit: http://www.trc.gov.jo/Static_English/chap%205.shtm</p> <hr/> <p>Radio Frequency Register</p> <p>All information related to the radio waves are registered in “The National Register of Frequencies”. All the radio frequencies should be licensed and paid. The information on charges on radio communication please visit: http://www.trc.gov.jo/Static_English/doc/Spectru%20080302Tariff%20-%20English.pdf</p> <p>It uses international standard radio equipment.</p> <p>For national frequency allocation table please visit: http://www.trc.gov.jo/Static_Arabic/PDF/jordan.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.trc.gov.jo/Static_English/annuals.shtm • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/JORDAN.PDF

	Reports <ul style="list-style-type: none"><li data-bbox="495 170 586 197">• N/A
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<p>General information</p>	<p>Spectrum Authority Minister of Transport and Communications</p>
	<p>Contact Details</p> <p>Location: Astana, Kazakhstan</p> <p>Postal Address: Kabanbai Batyr Ave. 47, Astana, Kazakhstan</p> <p>International Telephone: 7 3172 242097</p> <p>Fax: 7 3172 241763</p> <p>E-mail: lavrinenko@mtc.gov.kz</p> <p>Website: http://www.mtk.gov.kz/ru/ (Russian only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The main function of Ministry of transport and communication is to establish a national policy for the distribution and management of nation's spectrum. The ministry is planning to provide radio frequency spectrum for civilian use.</p> <p>For more information please visit: http://www.volweb.cz/horvitz/os-info/kazakhstan.html</p>
	<p>Legislation</p> <p>The RK Agency for Information and Communications is the licensing body in Kazakhstan. The ministry uses the RK [Republic of Kazakhstan] Licensing Law and the Government Order #998 as of September 2004 for the distribution of spectrum.</p> <p>For more information please visit: http://www.volweb.cz/horvitz/os-info/kazakhstan.html</p>
	<p>Radio Frequency Register</p> <p>In order to get the radio frequency license, especial permission must be granted by CCI. In addition user must first receive telecommunication license before applying for radio frequency license.</p> <p>Auction is used for the distribution of spectrum and the license is granted for the period of six months and should be renewed after that.</p> <p>For more information please visit: http://www.volweb.cz/horvitz/os-info/kazakhstan.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://mkaccdb.eu.int/study/studies/21.doc

	Reports <ul style="list-style-type: none">• N/A
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General information	Spectrum Authority Ministry of Information and Communication The Frequency Policy Unit
	Contact Details Location: Ministry of Information and Communication Seoul Korea Postal Address: Telecommunication Center Building. Ministry of Information and Communication 11~14F, 100 Sejongno, Jongno-gu, Seoul 100-777, Korea International Telephone : 82 27 502 000 Fax: 82 27 502 114 E-mail: webmaster@mic.go.kr Website: http://www.mic.go.kr/
Spectrum Policy and Planning	Introduction The Frequency policy unit is responsible for managing, distributing and monitoring the spectrum.
	Legislation For information on legislation please visit: http://rapa.or.kr/data/frequency.asp
	Radio Frequency Register For information on frequency table allocation please visit: http://help.mic.go.kr/mic_content/Korea_Frequency_table(2005).pdf
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.mic.go.kr/index.jsp • http://www.wtc2006.hu/present/1568973934_X_YOON.pdf
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Ministry of Transport and Communication The State Commission on Radio Frequencies The State Agency for Communication.</p> <hr/> <p>Contact Details</p> <p>Location: Bishkek, Kyrgyz Republic</p> <p>Postal Address: Ministry of Transport and Communications, 42, Isanov Str., 720017 Bishkek, Kyrgyz Republic</p> <p>International Telephone: 996 312 610 4 72</p> <p>Fax: : 996 312 664 7 81</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The spectrum is managed by two agency is Kyrgyzstan. They are the state commission on radio frequencies and the state agency of communication. The state agency for communication issues the spectrum license after getting permission from the state commission on radio frequency.</p> <p>For more information please visit: http://www.irex.org/msi/2004/MSI-2004-Kyrgyzstan.pdf</p> <p>The responsibilities of three agencies are as follows:</p> <p>The Ministry of Transport and Communications</p> <ul style="list-style-type: none"> • development of state policy in electronic and traditional mail; • preparation of normative acts relating to electronic mail and to post offices inside the country and at an international level; • Conduct of negotiations on communications with foreign states. <p>The State Commission on Radio Frequencies</p> <ul style="list-style-type: none"> • development of regulations regarding the use of radio frequencies; • creation of the National Table on frequencies and long-term development of radio communications in the Kyrgyz Republic. <p>The National Communication Agency</p> <ul style="list-style-type: none"> • monitoring and support of competition between operators • provision of equal access to electric communications networks • monitoring of conditions for the general public to use electric communications networks; • creation, development and use of the state system of radio control; • preparation, control and monitoring of the national telephone numbers system; • monitoring of the quality of communication services;

	<ul style="list-style-type: none"> • provision of radio frequencies to users. <p>For more information please visit: http://www.unece.org/operact/enterp/documents/coverpagkyrgyz.pdf</p>
	<p>Legislation</p> <p>There is no separate law for regulating spectrum management. It uses 1995 Licensing Law and the Governmental Regulation on the Procedure for Licensing Business Activities in the Sphere of Postal Services and Telecommunications, and Use of Frequency Range in the Republic of Kazakhstan of 1996, as amended.</p> <p>For more information please visit: http://www.mcguirewoods.com/news-resources/publications/international/Regulation_Telecommunication_Kazakhstan.pdf</p> <p>The spectrum license is valid for minimum of two years and should be renewed every six months.</p> <p>For more information please visit: http://www.irex.org/msi/2004/MSI-2004-Kyrgyzstan.pdf</p>
	<p>Radio Frequency Register</p> <p>Both public and private use of radio spectrum should be licensed. WiFi devices requires certain kind of permission along with license.</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.mcguirewoods.com/news-resources/publications/international/Regulation_Telecommunication_Kazakhstan.p df
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.3.23 Lao People's Democratic Republic

<p>General information</p>	<p>Spectrum Authority The Ministry of Communication, Transport, Post and Construction</p> <hr/> <p>Contact Details</p> <p>Location: Lao P.D.R. Lao People's Democratic Republic</p> <p>Postal Address: Lane-Xang Avenue VIENTIANE 0100 Lao P.D.R. Lao People's Democratic Republic</p> <p>International Telephone: 856 21 412 251</p> <p>Fax: 856 21 412 250</p> <p>E-mail: depostel@laotel.com / laregtel@laotel.com</p> <p>Website: http://www.laotel.com/laotel2006/english/index.html</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The ministry is responsible for the managing and monitoring the radio spectrum. The duties of the ministry in terms of spectrum are as follows:</p> <ul style="list-style-type: none"> • Co-ordination with the relevant sectors in subscribing [for], administering and allocating national frequency waves, • Co-ordination with the relevant sectors in studying and proposing regulation on fees, intellectual property fees and other service charges. <p>For more detail please visit: http://www.na.gov.la/eng/laws/tele_comm_law.pdf</p> <hr/> <p>Legislation</p> <p>The agency uses telecommunication law for the management of radio spectrum. The law on spectrum has not yet been developed.</p> <hr/> <p>Radio Frequency Register</p> <p>The ministry of communication, Transport, Post and Construction in accordance with ministry of finance and other relevant sectors are preparing regulation on the telecommunication charges and fees and intellectual property fees. The committee is submitting this regulation for the government approval and consideration.</p> <p>For more information please visit: http://www.na.gov.la/eng/laws/tele_comm_law.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A

	Reports <ul style="list-style-type: none"><li data-bbox="519 157 609 199">• N/A
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General information	Spectrum Authority Ministry of PTT Spectrum Management Department
	Contact Details Location: Mtaileb- Main Street, Meten Lebanon Postal Address: Mtaileb- Main Street, Meten Lebanon International Telephone : 96 1161 19116 Fax: 96 1191 1964 E-mail: Edouard_manih@hotmail.com Website: http://www.mpt.gov.lb/
Spectrum Policy and Planning	Introduction N/A
	Legislation For information on legislation please visit: <ul style="list-style-type: none"> • http://www.tra.gov.lb/Documents/TelecommunicationsLaw.pdf • http://www.mpt.gov.lb/decision.htm
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/LEBANON.PDF
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Malaysian Communications and Multimedia Commission</p> <hr/> <p>Contact Details</p> <p>Location: Malaysian Communications and Multimedia Commission Selangor Malaysia</p> <p>Postal Address: Malaysian Communications and Multimedia Commission 63000 Cyberjaya Selangor</p> <p>International Telephone : 60 3 8688 8000</p> <p>Fax: 60 3 8688 1000</p> <p>E-mail: webmaster@cmc.gov.my</p> <p>Website: www.mcmc.gov.my</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The commission carries out the following activities in the field of spectrum management</p> <ul style="list-style-type: none"> • Planning, coordinating, regulating and administering the use of the spectrum within the country • Establishing regulations, technical parameters and standards governing the use of each frequency band or specific frequency by stations of different services, having regards to current international regulations and agreement • Optimizing the use of spectrum, space and geo-stationary satellite orbit, ensuring the harmonious operation of different services, which use them • Allocating frequency bands in accordance with international regulations and the national priorities and assigning specific frequencies as appropriate • Authorising the installation and operation of radio stations, assigning call signs, MMSI numbers for ships and life boats, and granting appropriate frequency assignment • Updating all information on authorised wireless systems such as frequencies, the locations, transmitting powers, call signs, etc, and their notification to the Radiocommunication Bureau (ITU) if necessary • Representing, establishing relations, coordinating and issuing technical opinions concerning the use of frequencies in international forum such as the World Radiocommunication Conference (WRC), which is held every two years • Measuring the technical parameters or emissions of wireless stations as appropriate; • Conducting systematic inspections of Radiocommunication stations to check that they must meet the technical standards and parameters for which their equipment and operations were authorized • Participating, insofar as the use of frequencies is concerned, in the development plans and projects of all wireless services, ensuring that those plans are in acceptance with current international and national regulations • Preparing for participating in international conference convened by the ITU, participating in such conferences and implementing any decisions adopted • Conducting negotiations in connection with frequency spectrum management, space and

	<p>satellite orbit location, and other related problems with other countries and international organizations</p> <ul style="list-style-type: none"> • Facilitating national industry technical forums to carry out works relating to the Study Groups and Working Groups of ITU-R (Radiocommunications), preparing for the participation of specialist at meetings of the ITU-R and participating therein • Constituting the national body for relations with international and regional organisations other than the ITU on technical, regulatory and administrative matters, technical cooperation and other subjects related to utilisation of frequency spectrum, space and the geo-stationary satellite orbit
	<p>Legislation</p> <p>It uses The Communications and Multimedia Act 1998 for licensing and registering the radiocommunication.</p> <p>For more information on legislation please visit: http://www.mcmc.gov.my/the_law/legislation.asp</p>
	<p>Radio Frequency Register</p> <p>All the frequencies, licenses and certificate should be registered. It is registered under the commission and multimedia act 1998. For more information please visit: http://www.mcmc.gov.my/registers/registers.asp</p> <p>For the information on allocation of spectrum please visit: http://www.mcmc.gov.my/what_we_do/spectrum/Allocation.asp</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.mcmc.gov.my/what_we_do/spectrum/pdf/SpectrumPlan_15Nov2006v3.pdf <p>Reports</p> <ul style="list-style-type: none"> • http://www.cmc.gov.my/what_we_do/spectrum/index.asp

<p>General information</p>	<p>Spectrum Authority Telecommunications Authority of Maldives</p> <hr/> <p>Contact Details</p> <p>Location: Telecommunications Authority of Maldives Telecom Building, Male', Republic of Maldives</p> <p>Postal Address: Telecommunications Authority of Maldives Telecom Building, Male', Republic of Maldives</p> <p>International Telephone : 960 331 695</p> <p>Fax:960 331 694</p> <p>E-mail: secretariat@tam.gov.mv</p> <p>Website: http://www.tam.gov.mv</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Maldives's telecommunication authority Update and maintain the National Frequency Register according to the International Telecommunication Union's Radio Regulation and national regulations.</p> <hr/> <p>Legislation</p> <p>Maldives uses the telecommunication act and rights given by ministry of Communication science and technology to issue the licenses. For more information on legislation please visit: http://www.tam.gov.mv/Maldives%20Telecommunications%20Regulation%202003%20-%20Final%20(with%20Decree).pdf</p> <hr/> <p>Radio Frequency Register</p> <p>Telecommunication authority approves and assign radio frequency for individual users. It issue radio transmitting station licenses, amateur license and radio operator's licenses. It also Issue frequency registries, and maintain the radio license registry.</p> <p>For more information please visit</p> <ul style="list-style-type: none"> • http://www.mcst.gov.mv/Telecom/standards.htm • http://www.tam.gov.mv/articles.php?artID=43
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.mcst.gov.mv/Downloads/Documents/Telecom%20Policy-Public.pdf • http://www.mcst.gov.mv/Downloads/Documents/S&T/Part2-04Telecommunication.pdf • http://www.mcst.gov.mv/Downloads/Documents/Telecom%20Policy-Public.pdf

	<p>Reports</p> <ul style="list-style-type: none">• http://www.itu.int/ITU-D/ict/cs/maldives/material/CS_MDV_part1.pdf• http://www.primary0.mv/archives/2004_12_01_archive.html
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General information	Spectrum Authority Mongolia's Communications Regulatory Commission
	Contact Details <p>Location: Ulaanbaatar 210524 Mongolia</p> <p>Postal Address: Amarsanaa – 26 Street Ulaanbaatar 210524 Mongolia</p> <p>International Telephone: 976 11 304258</p> <p>Fax: 976 11 327720</p> <p>E-mail: crc@mongol.net</p> <p>Website: http://www.crc.gov.mn/english/contact.aspx</p>
Spectrum Policy and Planning	Introduction http://www.crc.gov.mn/english/medee.aspx?num=2 (Mongolian only)
	Legislation http://www.crc.gov.mn/english/law.aspx?id=3 (Mongolian only)
	Radio Frequency Register All radio frequencies should be licensed and should be paid. Even wireless set up in home should be authorized and paid. Users must obtain a license to use 2.4GHz range of frequency and must pay heavy license fee for it.
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://wireless.oldcolo.com/course/mongol.htm
	Reports <ul style="list-style-type: none"> • http://www.adb.org/Documents/PPARs/MON/ppar_mon_26069.pdf

<p>General information</p>	<p>Spectrum Authority Ministry of Communications, Posts and Telegraphs Radio division</p> <hr/> <p>Contact Details</p> <p>Location: Nay Pyi Taw, Myanmar</p> <p>Postal Address: Myanmar post and telecommunications Office building No. 2 Nay Pyi Taw, Myanmar</p> <p>International Telephone: N/A</p> <p>Fax: N/A</p> <p>E-mail: dg.ptd@mptmail.net.mm</p> <p>Website: http://www.mcpt.gov.mm/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Radio division of ministry of communication, post and telegraphs manages spectrum and licensing. Its main responsibilities are:</p> <ul style="list-style-type: none"> • to cooperate with international organization such as ITU and APT • to issue wireless station licenses and collecting fees • to issue international radio operator certificates • to prescribe radio frequency and supervising its usage • to amend and drafting rules and regulations if necessary. <p>For more information please visit: http://www.mcpt.gov.mm/ptd/index.htm</p> <hr/> <p>Legislation</p> <p>It uses Wireless Telegraphy Act, Burma (India Act 17/33) to manage its spectrum. Uses of telegraphy apparatus without the license are punishable. For more information please visit: http://www.volweb.cz/horvitz/os-info/myanmar.html</p> <hr/> <p>Radio Frequency Register</p> <p>All radio frequencies should be licensed. The communication devices such as mobile should be licensed individually. All types of wireless station's licenses are charged. For more information please visit: http://www.mcpt.gov.mm/ptd/ptd-radio.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A

	Reports <ul style="list-style-type: none"><li data-bbox="500 163 591 193">• N/A
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General information	Spectrum Authority Ministry of Information & Communications (MOIC) Nepal Telecom Authority (NTA)
	Contact Details Location: Ministry of Information and Communication Singh Durbar, Kathmandu, Nepal Kathmandu Nepal Postal Address: Ministry of Information and Communication Singh Durbar, Kathmandu, Nepal Kathmandu Nepal International Telephone : 977 1 4224468 / 977 1 4220150 Fax: 977 1 4221729 E-mail: moichmg@ntc.net.np Website: http://www.moic.gov.np/ ; http://www.nta.gov.np
Spectrum Policy and Planning	Introduction Ministry of Information and communication is the necessary policy makers of spectrum management. Nepal Telecom Authority gives advice to the Ministry. Monitoring is done by both MOIC and NTA; however NTA is fully responsible for issuing license.
	Legislation It uses Telecom Act(1997AD) and NTA Regulation(2002) for spectrum management and it uses Radio Act(1957) for providing licensing, owning and providing ownership to use radio equipments. Fore more information please visit: http://www.nta.gov.np/legislation.html
	Radio Frequency Register National Frequency Registration table is under construction. For information on annual licensing fees and licensing procedural please visit: http://www.nta.gov.np/license_fee.html
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • N/A
	Reports <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Ministry of Transport and Communication
	Contact Details Location: N/A Postal Address: P.O. Box 338 RUWI Postal Code 112 ; Oman International Telephone: 968 697 905 Fax: 968 699 744 E-mail: naashiah@omantel.co.om . Website: http://www.tra.gov.om
Spectrum Policy and Planning	Introduction Ministry of transport and communication manages the spectrum.
	Legislation For information on legislation please visit: http://www.tra.gov.om/test1/english.htm
	Radio Frequency Register For more information on registration please visit: http://www.ituarabic.org/Activities/Spectrum/Report%20of%20the%20Regional%20Seminar%20(2).doc
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.tra.gov.om/test1/pdf/logo-eng.pdf
	Reports <ul style="list-style-type: none"> • http://www.escwa.org.lb/wsis/reports/docs/Oman-E.pdf

<p>General information</p>	<p>Spectrum Authority Pakistan Telecommunication Authority</p>
	<p>Contact Details</p> <p>Location: Zonal Offices, to select a region please follow this link: www.pta.gov.pk/index.php?option=com_content&task=view&id=241&Itemid=234</p> <p>Postal Address: www.pta.gov.pk/index.php?option=com_content&task=view&id=241&Itemid=234</p> <p>International Telephone : 92 51 2878148</p> <p>Fax: 92 51 2878149</p> <p>E-mail: administration@pta.gov.pk</p> <p>Website: http://www.pta.gov.pk/index.php?option=com_frontpage&Itemid=1</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Frequency Allocation Board (FAB) takes over the following functions erstwhile performed by Pakistan Wireless Board (PWB):</p> <ul style="list-style-type: none"> • To assign frequencies in Pakistan and in areas controlled by authorities in Pakistan. • To coordinate assignment of frequencies with other boards when the frequencies are required for channels working to places outside Pakistan or where interference to channels operated by other authorities is likely to occur. • To take such action as is consider necessary to ensure the correct observation of the provisions of the international radio communication regulations with particular reference to tolerances, bandwidth of emissions. • To advise government on any proposal to establish new wireless services and their operation • To maintain liaison with other boards and committees for the purpose of maintaining as complete record as possible of frequency assignments throughout the world. • To coordinate the defense department and civil wireless system and advise on all matters of common interest with particular regard to the networks as they may affect one another. • To prepare and keep constantly under review plans for the utilization of the defense department and civil wireless system in the disposal of urgent traffic during an emergency or breakdown of any line of telecommunication system. • To control the sitting of all new fixed wireless stations in Pakistan. • To scrutinize all applications for wireless transmitting licenses and advise the director general of posts and telegraphs thereon <p>Legislation</p> <p>For information on breakdown of Pakistan’s relevant legislation please visit: http://www.pta.gov.pk/index.php?cur_t=vnormal</p>

	<p>Radio Frequency Register</p> <p>Pakistan Table of Frequency Allocations is the broadest level technical document showing the allocation policy of bands to various types of services. This Table is intended to:</p> <ul style="list-style-type: none"> • provide a basis for management of the radiofrequency spectrum in Pakistan; • inform radio-communication users about the various types of services that can be operated in each frequency band; • reflect Pakistan's obligations as a member of the ITU and provide details of international frequency allocations agreed by the ITU for the three world Regions. <p>For information on frequency allocation please visit: http://www.pta.gov.pk/media/Pakistan_Table_of_Frequency_Allocations.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.pta.gov.pk/index.php?option=com_content&task=view&id=281&Itemid=219
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority National Telecommunications Commission</p> <hr/> <p>Contact Details</p> <p>Location: National Telecommunications Commission. Quezon City Philippines</p> <p>Postal Address: National Telecommunications Commission. NTC Bldg., BIR Road, East Triangle, Diliman, Quezon City 1104</p> <p>International Telephone : 926 77 22</p> <p>Fax: N/A</p> <p>E-mail: ntc@ntc.gov.ph</p> <p>Website: http://www.ntc.gov.ph/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>NTC is an independent body that regulates and supervises all the telecommunication services trough out the country. Its mission is to provide an environment that ensures reliable, affordable and viable infrastructure and services in information and communications technology (ICT) accessible to all.</p> <p>For more information please visit: http://www.ntc.gov.ph/about-frame.html</p> <hr/> <p>Legislation</p> <p>It uses the act RA 7925 (Public Telecommunications Policy Act), EO545 series of 1979 to give permission of radio stations and to give license for mobile service.</p> <p>It uses Radio Control Law,Act.No.3846,as amended, and Executive Order No.546,dated 23 July 1979 to monitor radio service equipments.</p> <p>For more information please visit: http://www.ntc.gov.ph/laws-frame.html</p> <p>For information on frequency allocation please visit: http://www.ntc.gov.ph/licensing-frame.html</p> <hr/> <p>Radio Frequency Register</p> <p>For information on frequency registration please visit: http://www.ntc.gov.ph/licensing-frame.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.ntc.gov.ph/whatsnew/NTC%20SRRD.pdf • http://www.ntc.gov.ph/whatsnew/POSITION%20PAPER%20of%20Wi%-20Fi%20Ng%20Bayan.pdf

	<ul style="list-style-type: none">• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/PERU1.doc
	Reports N/A

General information	Spectrum Authority ictQatar
	Contact Details <p>Location: Communications Manager ictQATAR Doha, Qatar</p> <p>Postal Address: P.O. Box 23264 Doha-Qatar</p> <p>International Telephone: 974 4 935 922</p> <p>Fax: 974 4 935 913</p> <p>E-mail: N/A</p> <p>Website: http://www.ict.gov.qa/en/AboutICT.aspx</p>
Spectrum Policy and Planning	Introduction ictQatar policy maker and regulatory body of Qatar.
	Legislation For information on legislation please visit: <ul style="list-style-type: none"> • http://www.ict.gov.qa/en/PolicyRegulation.aspx • http://www.ict.gov.qa/En/News/elaw.pdf
	Radio Frequency Register For information on registration please visit: http://www.ict.gov.qa/en/PolicyRegulation.aspx
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/QATAR.doc
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority The Communication and Information Technology Commission (CITC)</p>
	<p>Contact Details</p> <p>Location: Communications and Information Technology Commission Riyadh Saudi Arabia</p> <p>Postal Address: Communications and Information Technology Commission P.O. Box 75606 Riyadh 11588 K.S.A</p> <p>International Telephone : 966 1 4618000</p> <p>Fax: 966 1 4618002</p> <p>E-mail: admin@citic.org.sa</p> <p>Website: http://www.citic.gov.sa/citcportal/Homepage/tabid/106/cmssid/{611C6EDD-85C5-4800-A0DA-A997A624D0D0}/Default.aspx</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>CITC is responsible for planning, allocating and distributing radio frequency. It is also responsible for monitoring a radio spectrum and inspecting radio equipment.</p>
	<p>Legislation</p> <p>For information on legislation please visit: http://www.citic.gov.sa/citcportal/Homepage/tabid/106/cmssid/{397EBCD7-3E4B-49DC-A829-B8CF4C4A73E9}/Default.aspx (Arabic only)</p>
	<p>Radio Frequency Register</p> <p>All the assigned radio frequencies are registered in National Frequency Register and radio equipments are inspected periodically. For more information please visit: http://www.citic.gov.sa/citcportal/SimpleText/tabid/103/cmssid/{D073EAE2-4920-4810-852F-C16F0150937A}/Default.aspx</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.citic.gov.sa/CITC/EN/NewsAndUpdates/PubNotices/?sm=2 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SAUDIARABIA.doc

Reports

- <http://www.citic.gov.sa/NR/rdonlyres/4DD56B2A-FC25-43F1-A234-28A863210C5E/0/>
- <http://www.citic.gov.sa/NR/rdonlyres/4DD56B2A-FC25-43F1-A234-28A863210C5E/0/>

1.1.3.35 Singapore

<p>General information</p>	<p>Spectrum Authority Infocomm Development Authority</p>
	<p>Contact Details</p> <p>Location: Spectrum & Number Management Infocomm Development Authority of Singapore Singapore</p> <p>Postal Address: Spectrum & Number Management Infocomm Development Authority of Singapore 8 Temasek Boulevard #14-00 Suntec Tower Three Singapore 038988</p> <p>International Telephone : 65 322 1999</p> <p>Fax: 65 6211 2218</p> <p>E-mail: Soh_Siow_Meng@ida.gov.sg</p> <p>Website: http://www.ida.gov.sg/idaweb/marketing/index.jsp</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>IDA is responsible for the management and allocation of radio frequency spectrum. The Spectrum Management Department of IDA undertakes the essential activities needed to ensure efficient and effective allocation and use of the spectrum for radio services. These activities include:</p> <ul style="list-style-type: none"> • planning and coordinating frequency usage at international, regional and sub-regional levels; • assigning and managing the spectrum nationally • monitoring and resolving radio frequency interference <p>Legislation</p> <p>The radio frequency spectrum is divided into frequency bands allocated to various radiocommunication services such as aeronautical, land mobile, meteorological and satellite communication services.</p> <p>For more information please visit: http://www.citc.gov.sa/citcportal/Homepage/tabid/106/cmupid/{397EBCD7-3E4B-49DC-A829-B8CF4C4A73E9}/Default.aspx</p>

	<p>Radio Frequency Register</p> <p>All the radio frequencies have to be registered and licensed. Radio frequencies are distributed through auction.</p> <p>For information on radio spectrum plan please visit: http://www.ida.gov.sg/idaweb/doc/download/1474/Radio_Spectrum_Master_Plan.pdf</p> <p>For information on available bandwidth for auction please visit: http://www.ida.gov.sg/idaweb/pnr/infopage.jsp?infopagecategory=spectrum:pnr&versionid=2&infopageid=13660</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.ida.gov.sg/idaweb/pnr/infopage.jsp?infopagecategory=spectrum:pnr&versionid=2&infopageid=13660
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.ida.gov.sg/idaweb/marketing/publication.jsp?infopageid=1222

1.1.3.36 Sri Lanka

General information	<p>Spectrum Authority Telecommunications Regulatory Commission</p>
	<p>Contact Details</p> <p>Location: Telecommunications Regulatory Commission Colombo ; Sri Lanka</p> <p>Postal Address: Telecommunications Regulatory Commission 276 Elvitigala Mawatha, Colombo 8. Sri Lanka.</p> <p>International Telephone: 94 11 268 9345</p> <p>Fax: 94 11 268 9341</p> <p>E-mail: dgtsl@trc.gov.lk</p> <p>Website: http://www.trc.gov.lk/spectrum.htm</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>The regulatory is responsible for issuing the radiocommunication license, collecting the fees and making the band plan. For more information please visit: http://www.trc.gov.lk/spectrum.htm</p>
	<p>Legislation</p> <p>For the legislation of different wired and wireless communication please visit: http://www.trc.gov.lk/Legislation.htm</p>
	<p>Radio Frequency Register</p> <p>Sri Lanka maintains a Master frequency register. For the information on master frequency registration please visit: http://www.trc.gov.lk/spectrum.htm</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.trc.gov.lk/publication.htm • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SRILANKA.doc
	<p>Reports</p> <ul style="list-style-type: none"> • www.trc.gov.lk/docs/cpr_1800.pdf

1.1.3.37 Syrian Arab Republic

General information	<p>Spectrum Authority Radio Electromagnetic Coordination Department Syrian Telecommunications Establishment (STE)</p>
	<p>Contact Details</p> <p>Location: Aotustrad Mazzeh, Damascus</p> <p>Postal Address: Faiyz Mansour St. STE HQ PO Box 35108 Damascus ; Syrian Arab Republic</p> <p>International Telephone : 963 11 224 0623</p> <p>Fax: 963 11 224 2892</p> <p>E-mail: int-dir@net.sy ; exp-dir@net.sy</p> <p>Website: http://www.ste.gov.sy (Arabic only)</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>Law No. 451 dated 1957 governs the national spectrum management processes in Syrian Arab Republic.</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <p>http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SYRIA.doc</p>
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.3.38 Tajikistan

<p>General information</p>	<p>Spectrum Authority Ministry of communications of Republic of Tajikistan State Commission on Radio Frequency Spectrum of the Republic of Tajikistan</p> <hr/> <p>Contact Details</p> <p>Location: Rudaki Avenue, 57 734025, Dushanbe TAJIKISTAN</p> <p>Postal Address: Rudaki Avenue, 57 734025, Dushanbe TAJIKISTAN</p> <p>International Telephone: 992 372 21 7183</p> <p>Fax: 992 372 21 7708</p> <p>E-mail: gis@netrt.Org</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The department is established by the government for the uniform policy of allocation and use of radio frequency spectrum. The department is established under minister of communications of Republic of Tajikistan to implement the following functions:</p> <ul style="list-style-type: none"> • Planning effective and interference-free use of radio frequency spectrum by different types of radio electronic facilities (REF); • Establishment of the National Plan of frequency allocation and Coordination of the installation of all kinds of radio stations on the territory of the Republic of Tajikistan with the purpose of guaranteeing optimum use of the existing locations; • Development of recommendations and procedures of radio frequency spectrum usage • Elaboration of a long-term concept for the development of the radio frequency spectrum system in the Republic of Tajikistan. • Preparation of the position and support when representing the interests of the Republic of Tajikistan in international negotiations on radio frequency spectrum issues. • Decisions on installation of radio stations <p>For more information please visit http://www.tajik-gateway.org/index.phtml?lang=en&id=1414</p> <hr/> <p>Legislation</p> <p>The State Commission on radio frequency spectrum of the Republic of Tajikistan holds rights to:</p> <ul style="list-style-type: none"> • Terminate the decisions to allocate frequency bands made upon earlier by the State Commission on radio frequency spectrum of the Republic of Tajikistan. • Prohibit the use of radio frequency spectrum on the territory of Tajikistan in the event

	<p>of violations of the procedures established for their use;</p> <ul style="list-style-type: none"> • Terminate or prohibit the development and production of radio devices and facilities which do not comply with the technical requirements <p>For more information please visit: http://www.tajik-gateway.org/index.phtml?lang=en&id=1414</p>
<p>Relevant Documentation</p>	<p>Radio Frequency Register</p> <p>All the radio frequencies must be licensed. There are two types of licenses- Class license and individual license. Class license is issued to physical or legal persons to carry out activities in the field of telecommunications based on uniform requirements, whereas individual license is issued to physical or legal person to carry out activities in the field of telecommunications based on special requirement and conditions such as designing, construction, operation and provision of telecommunication services.</p> <p>For more information please visit http://www.tajik-gateway.org/index.phtml?lang=en&id=1414</p>
	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/-TAJIKISTAN.doc <p>Reports</p> <ul style="list-style-type: none"> • http://unece.org/ie/enterp/documents/coverpagatajik.pdf#-search=%22Tajikistan-The%20State%20Inspectorate%20of%20%20-Communication%20at%20the-%20Ministry%20of%20Communication%20)%22

<p>General information</p>	<p>Spectrum Authority The National Telecommunications Commission (NTC)</p> <hr/> <p>Contact Details</p> <p>Location: Bangkok, Thailand</p> <p>Postal Address: The National Telecommunications Commission (NTC) 87 Thanon Pahonyothin Road Bangkok 10400 THAILAND</p> <p>International Telephone: 662 271 015060</p> <p>Fax: 662 279 2273</p> <p>E-mail: N/A</p> <p>Website: www.ntc.or.th</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction NTC is responsible for regulation and administration of licensing spectrum management, promotion of free competition, and development of tariff, interconnect charge and technical standards, national numbering planning, demand forecast, human resource development, promotion of telecommunication industry, national security, education and universal service obligation.</p> <p>For more information please visit: http://www.iasted.org/conferences/2005/thailand/ncs-keynote1.htm</p> <hr/> <p>Legislation</p> <p>It uses the Radio Communication Act B.E.2498 (1995) for its Spectrum Management. National Constitution 1997, article 87 is used by NTC to promote fair competition, to protect consumer and to safeguard against monopoly.</p> <p>more information please visit: http://www.iasted.org/conferences/2005/thailand/ncs-keynote1.htm</p> <hr/> <p>Radio Frequency Register</p> <p>Some spectrums are reserved for unlicensed uses, whereas others should be licensed and leased through administrative method or by market method such as auction.</p> <p>For more information please visit: http://www.c-t-u.org/Section%201%20-Spectrum%20Overview.pdf#search=%22Thailand%20(National%20-Telecommunications%20Commission%2Fspectrum%20management)%22</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/THAILAND.PDF

	Reports
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- <http://www.ptd.go.th/Ntc.html>

<p>General information</p>	<p>Spectrum Authority Telecommunications Authority</p>
	<p>Contact Details</p> <p>Location: Telecommunications Authority ANKARA Turkey</p> <p>Postal Address: Telekomünikasyon Kurumu Yeşilırmak Sokak No:16 Demirtepe 06430 ANKARA</p> <p>International Telephone: 312 294 74 00</p> <p>Fax: 312 294 71 45</p> <p>E-mail: info@tk.gov.tr</p> <p>Website: http://www.tk.gov.tr/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The authority is responsible for the managing, monitoring and inspecting the spectrum. For more information please visit: http://www.tk.gov.tr/eng/pdf/eng-2005.pdf</p>
	<p>Legislation</p> <p>The authority collects the license fee of radio spectrum as according to the Cabinet decision dated 2003/6689, published in the Official Gazette, dated 02/01/2004, and numbered 25334.</p> <p>It aims to harmonizes with EU law titled “Institution Building of Telecommunications Authority” For more information please visit: http://www.tk.gov.tr/eng/pdf/eng-2005.pdf</p>
	<p>Radio Frequency Register</p> <p>It uses international frequency registration process for radio frequencies used in radio and television system. Various studies have been taken place for managing amateur services. Administrative method is used for distributing frequencies and collecting fees. For more information please visit: http://www.tk.gov.tr/eng/pdf/eng-2005.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.tk.gov.tr/Etkinlikler/Uluslararası_Etkinlikler/2006/konferanslar/hazar_1/-sunumlar/e_karacuha.ppt • http://www.tk.gov.tr/Etkinlikler/Uluslararası_Etkinlikler/2006/konferanslar/hazar_1/-sunumlar/e_kalman.ppt • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/TURKEY.doc

	Reports <ul style="list-style-type: none"><li data-bbox="495 178 584 210">• N/A
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1.1.3.41 Turkmenistan

<p>General information</p>	<p>Spectrum Authority Ministry of Communication State Committee on Radio Frequencies</p>
	<p>Contact Details</p> <p>Location: Ashgabat, Turkmenistan</p> <p>Postal Address: MR. Bayramali Ataev, Chairman State Committee On Radio Frequencies Suite 45-46 46 Alishera Navoi Street P.O. BOX 3/22 Ashgabat, Turkmenistan 744000</p> <p>International Telephone: :993 12 392 611</p> <p>Fax: :993 12 391 514</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>State committee on radio frequency is responsible for proper management and distribution of radio spectrum.</p>
	<p>Legislation</p> <p>State committee on radio frequencies uses the communication law of Turkmenistan for licensing radio frequency. For more information please visit http://turkmenistan.usembassy.gov/archive/telecom.html</p>
	<p>Radio Frequency Register</p> <p>The state committee on radio frequencies issues one year license for importing, selling and using radio electronic and high frequency equipment and devices. Radio electronic and high frequency equipment and devices must meet the required standards and should be located in accordance to the decision of committee The fixed location of the equipment can not be changed without the permission. Items such as video and audio equipment, microwave ovens, video cameras, video senders and satellite dishes are not under the category of the radio electronic and high frequency equipment. For more information please visit (http://turkmenistan.usembassy.gov/archive/telecom.html)</p> <p>License is issued on first come first serve basis</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A

	Reports <ul style="list-style-type: none"><li data-bbox="495 163 584 193">• N/A
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General information	Spectrum Authority Supreme Committee for the Supervision of the Telecommunication Sector
	Contact Details Location: Telecommunication regulatory authority Abu Dhabi, Dubai Postal Address: Telecommunication regulatory authority P.O Box 26662 Abu Dhabi United Arab Emirates International Telephone : 971 2 621 2222 Fax: 971 2 621 2227 E-mail: info@tra.ae Website: www.tra.gov.ae/main.html
Spectrum Policy and Planning	Introduction The government has established a co-ordination committee for the proper utilization of radio frequency. The authority is responsible for management of radio spectrum and allocation of radio spectrum designated for telecommunication services.
	Legislation UAE uses Federal Law No. (7) of 1973 for Radio Communications. It uses law No. 3 of 2003 for its spectrum fee policy. For more information please visit: <ul style="list-style-type: none"> • http://www.tra.gov.ae/telecomlawenglish.pdf • http://www.tra.gov.ae/NationalTelecomPolicyofUAE.pdf
	Radio Frequency Register All the radio spectrum has to be registered and licensed. There is spectrum fee policy for registering, authorizing and renewing spectrum. There is no unlicensed frequency band in UAE and each and every spectrum is charged. For information on frequency allocation table please visit: http://www.tra.gov.ae/nationalallocation.pdf
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.tra.gov.ae/UAE_National_table-VI.pdf • http://www.itu.int/ITUUD/study_groups/SGP_20022006/JGRES09/-UNITEDARABEMIRATES.doc
	Reports <ul style="list-style-type: none"> • N/A

1.1.3.43 Uzbekistan

<p>General information</p>	<p>Spectrum Authority Communication and Information agency of Uzbekistan</p>
	<p>Contact Details</p> <p>Location: 28 A, Navoi Str., Tashkent 700011</p> <p>Postal Address: Communication and Information agency of Uzbekistan 28 A, Navoi Str., Tashkent 700011</p> <p>International Telephone : 998 71 138 4100</p> <p>Fax: 998 71 133 7109</p> <p>E-mail: info@aci.uz</p> <p>Website: http://www.aci.uz/en/About_us/Statute/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The State Commission on Radio Frequency of the Republic of Uzbekistan manages and coordinates the use of radio frequency spectrum. The Centre of Electromagnetic Compatibility Center is responsible for authorizing the use of radio frequencies, maintaining electromagnetic compatibility and monitoring radio frequency spectrum.</p> <p>The primary goals of the agency are;</p> <ul style="list-style-type: none"> • Formation and realization of strategic priorities • Realization of effective state regulation in the fields of telecommunications network development, data transmission, radio communications, broadcastings, TV, post communication, press dissemination, sphere of information, market of information resources and use of radio-frequency spectrum. • Organizing the activity on monitoring radio-frequency spectrum use. <p>Legislation</p> <p>It uses the decision of the Cabinet Ministers of the Republic of Uzbekistan from December, 20, 2004 № 592 for the competitive distribution of radio frequencies.</p> <p>The agency has rights and responsibility to give the license for the operation of radio- electronic means and high frequency devices as well as has rights to stop, suspend and limit the radio-frequency spectrum use. The agency also holds the rights to forbid in accordance with established order the operation of radio-electronic means and high-frequency devices in case of their discrepancy to the established standards and technical norms, non ensuring the citizens safety, preservation of environment, non application of payment for radio-frequency spectrum use, as well as under special circumstances.</p> <p>For more information please visit: http://www.aci.uz/en/Normative_base/Main_documents</p>

	<p>Radio Frequency Register</p> <p>Cabinet Ministry of the Republic of Uzbekistan declares the competition on distribution of radio frequencies and delivery of individual licenses in the field of tele-radio broadcasting. The registered user has to pay the radio frequency spectrum fees.</p> <p>For more information please visit: http://www.aci.uz/en/Licensing_/Procedure_and_conditions_of_licensing</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.cis-legal-reform.org/document.asp?id=6719 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/UZBEKISTAN.doc
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Radio Frequency Department
	Contact Details Location: Ministry of Posts and Telematics Postal Address: Ministry of Posts and Telematics 115 Trần Duy Hưng, Hà Nội International Telephone 84 4 556 4919 Fax: 84 4 556 4930 E-mail: contact@rfd.gov.vn Website: http://www.rfd.gov.vn/view/vn/index.html
Spectrum Policy and Planning	Introduction Vietnam’s government provides its radio frequency spectrum for public services. Radio frequency department, under ministry of posts Telematics, handles the management of spectrum.
	Legislation Vietnam uses the following decision to provide radio spectrum for the public use. Pursuant to the decision No 85/1998/QĐ-TTg of April 16, 1998 to approve the plan on Vietnam’s radio frequency spectrum for services. Pursuant to the decision No 907/2002/QĐ-TCBD of October 30, 2002 to approve “The revised plan on Vietnam’s radio frequency spectrum for services. The decision allows the public to use the spectrum. For more information regarding the License procedure in Vietnam please visit http://www.rfd.gov.vn/view/vn/index.html
	Radio Frequency Register Registration and licensing are required for both organization and individuals use of radio frequency. The specific range of frequency is allocated for each and every device (For example mobile, broadcasting, fixed etc) For more information regarding frequency allocation please visit http://www.rfd.gov.vn/view/vn/index.html
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • www.rfd.gov.vn/view/vn/index.html
	Reports <ul style="list-style-type: none"> • http://www.rfd.gov.vn/view/vn/index.html

1.1.3.45 Yemen

<p>General information</p>	<p>Spectrum Authority The Ministry of Communications and Information Technology</p> <hr/> <p>Contact Details</p> <p>Location: Sana'a, Yemen</p> <p>Postal Address: Director general of frequency management department Airport Road; Al Jiraf P.O. BOX 25237 Sana'a, Yemen</p> <p>International Telephone: 009 67 1 331455</p> <p>Fax: 009 67 1 331457</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The ministry of communication and information technology is responsible for the frequency management of the country, which includes allocation of frequency table, licensing, monitoring and fees collections.</p> <hr/> <p>Legislation</p> <p>It uses Telecommunication law passed in 1990 to manage spectrum. For more information on law governing spectrum please visit: http://www.tra.gov.ae/telecomlawenglish.pdf</p> <hr/> <p>Radio Frequency Register</p> <p>National Committee of government departments operators review and revised the National frequency allocation plan. Spectrum fees are based on simple pricing mechanism depending on spectrum band.</p> <p>For more information please visit: http://www.ituarabic.org/Activities/Spectrum/Report%20of%20the%20Regional%20Seminar%20(2).doc</p> <p>For information on spectrum pricing please visit: http://www.tra.gov.ae/Spectrumpricepolicy.pdf</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://lnweb18.worldbank.org/mna/mena.nsf/Attachments/Telecommunications/\$File/BB13.pdf#search=%22Yemen%20(The%20ministry%20of%20communication)%20spectrum%20management%22 • http://www.tra.gov.ae/nationalallocation.pdf

	<ul style="list-style-type: none">• http://www.itu.int/ITU-T/study_groups/SGP_20022006/JGRES09/UNITEDARABEMIRATES.doc
	Reports <ul style="list-style-type: none">• N/A

1.1.4 EUROPE

1.1.4.1 Albania

<p>General information</p>	<p>Spectrum Authority Telecommunications Regulatory Entity</p>
	<p>Contact Details</p> <p>Location: Telecommunications Regulatory Entity TIRANA Albania</p> <p>Postal Address: "Reshit Çollaku" Str No 43 TIRANA Mail Box: 253/1</p> <p>International Telephone : 04 259571</p> <p>Fax: 04 259106</p> <p>E-mail: sekretaria@ert.gov.al</p> <p>Website: http://www.ert.gov.al/ert_eng/static/KushJemi.html</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Telecommunications Regulatory Entity (TRE) is the regulatory authority that monitors the regulatory framework according to the law of the telecommunications in Albania and to the policy objectives defined by the Council of Ministers. TRE is established and started as independent authority on 1998 according to the law No 8288 date 18.02.1998.</p> <p>For more information please visit: http://www.ert.gov.al/ert_eng/static/KushJemi_Histori.html</p>
	<p>Legislation</p> <p>It uses Law No 8618, dated 14.6.2000 for the management of national spectrum. It uses the decision No. 379, dated 31.5.2001 to monitor the broadcasting services.</p> <p>For Copies of Albania's Telecommunications legislation please visit: http://www.ert.gov.al/ert_eng/static/Legislacioni.html</p>
	<p>Radio Frequency Register</p> <p>The upper frequency limit of fixed monitoring station is 3000GHz and upper frequency limit of fixed direction finding station is 30KHz.</p> <p>The spectrum license fee is granted by TRE and NRTC. Till now 331 license have been granted.</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ALBANIA.doc

	Reports <ul style="list-style-type: none"><li data-bbox="495 163 584 195">• N/A
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General information	Spectrum Authority Servei de Telecomunicaciones d'Andorra
	Contact Details Location: Servei de Telecomunicaciones d'Andorra Avd. Meritxell 12 Andorra la Vella Andorra Postal Address: Avd. Meritxell 12 Andorra la Vella Andorra International Telephone : 376 821 021 Fax: 376 860 600 E-mail: webmaster@sta.ad Website: http://www.sta.ad/portal/controller
Spectrum Policy and Planning	Introduction The mission of Servei de Telecomunicaciones d'Andorra is to manage the radio spectrum effectively and efficiently and to allocate, assign and monitor the proper user of spectrum.
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • N/A
	Reports <ul style="list-style-type: none"> • N/A

1.1.4.3 Austria

<p>General information</p>	<p>Spectrum Authority Regulatory Authority for Telecommunications and Broadcasting Ministry of Transport, Innovation and Technology</p>
	<p>Contact Details</p> <p>Location: Rundfunk und Telekom Regulierungs-GmbH Vienna ; Austria</p> <p>Postal Address: Rundfunk und Telekom Regulierungs-GmbH A-1060 Wien, Mariahilfer Straße 77-79</p> <p>International Telephone : 43 0 1 580 580</p> <p>Fax: 43 0 1 580 589 191</p> <p>E-mail: rtr@rtr.at</p> <p>Website: http://www.rtr.at/web.nsf/englisch/Telekommunikation_Frequenzvergabe</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The authority is responsible for the allocation of the frequency. There are two level of management, The federal Level and The regional Level. The federal level is in charge of frequency plan and allocation, whereas the regional level is responsible for monitoring of frequencies and investigating harmful interference.</p>
	<p>Legislation</p> <p>It uses Telecommunications Act 2003 BGBl I Nr. 70/2003 for the management and allocation of frequencies.</p> <p>For more information please visit: http://www.rtr.at/web.nsf/deutsch/Telekommunikation_-Telekommunikationsrecht_TKG+2003</p>
	<p>Radio Frequency Register</p> <p>For information on frequency allocation in Austria please visit: http://www.rtr.at/web.nsf/englisch/Telekommunikation_Frequenzvergabe</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.rtr.at/web.nsf/deutsch/Portfolio_Schriftenreihe_nach+Datum
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.rtr.at/web.nsf/englisch/Telekommunikation_Frequenzvergabe_Spektrum

1.1.4.4 Belarus

General information	<p>Spectrum Authority Ministry of Communications and Information State Commission on Radio Frequency</p>
	<p>Contact Details</p> <p>Location: Ministry of Communications and Information Minsk Republic of Belarus</p> <p>Postal Address: Ministry of Communications and Information 10, Independence ave. Minsk 220050 Republic of Belarus</p> <p>International Telephone : 375 17 227 3861</p> <p>Fax: 375 17 227 2157</p> <p>E-mail: mpt@mpt.gov.by</p> <p>Website: http://www.mpt.gov.by/index_en.htm</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>N/A</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.e-belarus.org/review/review2003november.html
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.4.5 Belgium

<p>General information</p>	<p>Spectrum Authority Belgian Institute for Post and Telecommunications (BIPT)</p>
	<p>Contact Details</p> <p>Location: IBPT Bruxelles Belgique</p> <p>Postal Address: IBPT Tour Astro Avenue de l'Astronomie 14 boîte 21 - B-1210 Bruxelles Belgique</p> <p>International Telephone: 32 2 226 8888</p> <p>Fax: 32 2 226 8877</p> <p>E-mail: info@bipt.be</p> <p>Website: http://www.ibpt.be</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>BIPT manages and co-ordinates the radio spectrum. It also makes the long term plan relating to the frequency planning and frequency reorganization. However, it is not authorized to plan broadcasting frequencies.</p>
	<p>Legislation</p> <p>It uses the Act of 30/7/1979 for managing the radio communication.</p> <p>For more information please visit: http://www.ibpt.be/Legislation/telecoms/M41_E.htm</p>
	<p>Radio Frequency Register</p> <p>The radio frequency has to be registered. Individual license are issued for using the radio spectrum.</p> <p>For more information please visit: http://www.ibpt.be/bipt_E.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.bipt.be/bipt_E.htm
	<p>Reports</p> <ul style="list-style-type: none"> • www.bipt.be/bipt_E.htm

General information	<p>Spectrum Authority Communication Regulatory Agency</p>
	<p>Contact Details</p> <p>Location: Mehmeda Spahe 1</p> <p>Postal Address: Mehmeda Spahe 1 Bosnia and Herzegovina</p> <p>International Telephone: 387 0 33 250 600</p> <p>Fax: 387 0 33 713 080</p> <p>E-mail: info@rak.ba</p> <p>Website: http://www.cra.ba/index.aspx</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>Communication Regulator Agency is an independent body which manages the radio spectrum. It has a Spectrum management department which looks after day to day activities of spectrum. The frequency monitoring is done by frequency management department (10%), enforcement department (5%) and licensing department (85%).</p> <p>For more information please visit http://www.cra.ba/en/freq-mgmt/plan-kor/?cid=88</p>
	<p>Legislation</p> <p>It use communication law of Bosnia and Herzegovina for the management of spectrum.</p> <p>It uses Article 19.Paragraph2. Telecommunications Law (Official Gazette BiH No. 10/99) for the allocation of radio spectrum.</p> <p>For more information please visit http://www.cra.ba/en/freq-mgmt/plan-kor/?cid=86</p> <p>It charges for the radio licenses on the basis of rules described in article 39, section 1., article 37, section 1 (f) and on the basis of Rule on allocation of frequencies in Bosnia and Herzegovina („Official Gazette, number 36/02), Council of Communications Regulatory Agency, at its session held on 16th September 2005,</p> <p>For more information please visit http://www.cra.ba/en/legal/rules-codes/spect/rules/default.aspx?cid=4144</p>
	<p>Radio Frequency Register</p> <p>There is frequency allocation table form 9KHz to 10000MHz. The upper frequency limit of the mobile monitoring station 2750MHz and the upper frequency limit of mobile direction finding station is 2750MHz.</p> <p>License fees for radio frequencies are of two types. They are: administrative fee and annual fee. The government has given exemption for certain parties from paying the license fee of radio spectrum.</p>

	<p>For more information please visit http://www.cra.ba/en/legal/rules-codes/spect/rules/default.aspx?cid=4144</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/BOSNIAHERZEGOVINA.doc
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.cra.ba/en/legal/rules-codes/spect/rules/index.aspx?m=11&yr=2005&so=DESC&sort-by=published

1.1.4.7 Bulgaria

General information	<p>Spectrum Authority Communications Regulation Commission</p>
	<p>Contact Details</p> <p>Location: Communications regulation commission. Legal Issues Sofia</p> <p>Postal Address: Communications regulation commission 1000 Sofia, 6 Gurko str,</p> <p>International Telephone : 359 2 949 2335</p> <p>Fax: 359 2 987 0695</p> <p>E-mail: info@crc.bg</p> <p>Website: http://www.crc.bg/v2/eng/index.htm</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>CRC manages the radio frequency spectrum for civil needs and controls its efficient use, on the bases of its principles of management and distribution of the radio frequency spectrum for civil needs.</p>
	<p>Legislation</p> <p>Primary legislation is used for the radio and television communication.</p> <p>For information on regulatory framework please visit: http://www.crc.bg/v2/eng/index.htm .</p>
	<p>Radio Frequency Register</p> <p>For information on Bulgaria's radio frequency registration please visit: http://www.crc.bg/v2/files/en/647.pdf</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Ministry of the Sea, Tourism, Transport and Development
	Contact Details <p>Location: Ministry of the Sea, Tourism, Transport and Development Zagreb, Croatia</p> <p>Postal Address: Ministry of the Sea, Tourism, Transport and Development Address: Prisavlje 14, HR-10000 Zagreb, Croatia</p> <p>International Telephone : 385 1 6169 110</p> <p>Fax: 385 1 6196 662</p> <p>E-mail: sanja.ribicic.radic@mmtpr.hr</p> <p>Website: http://www.mmtpr.hr/ (Croatian only)</p>
Spectrum Policy and Planning	Introduction The department is responsible for frequency management, monitoring and licensing. There has been spectrum re-development in the country.
	Legislation It uses The Telecommunication Law, The RF Spectrum Assignment Rule for the management of nation spectrum. It uses Croatian official gazette (NN) for the collection of spectrum fees.
	Radio Frequency Register Information on National frequency allocation from 960-3000 MHz can be found in http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CROATIA.doc The upper limit of the fixed monitoring station and fixed direction finding station is 20,000MHz. The upper limit of the mobile monitoring station and mobile direction finding station is 20000MHz. The upper limit of the transportable monitoring station and transportable direction finding station is 1000MHz.
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CROATIA.doc
	Reports <ul style="list-style-type: none"> • N/A

1.1.4.9 Czech Republic

<p>General information</p>	<p>Spectrum Authority Czech Telecommunication Office</p>
	<p>Contact Details</p> <p>Location: Český telekomunikační úřad Sokolovská 219 Praha 9</p> <p>Postal Address: Český telekomunikační úřad P. O. Box 02, CZ - 225 02 Praha 025</p> <p>International Telephone :420 224 004 111</p> <p>Fax: 420 224 004 830</p> <p>E-mail: podatelna@ctu.cz</p> <p>Website: http://www.ctu.cz/main.php?pageid=178</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The telecommunication office is responsible for the management of frequency. It also develops plan for frequency band allocation, grants license to use spectrum and operates radio transmitting equipment. In addition, it performs the state inspection.</p>
	<p>Legislation</p> <p>It uses following communication act to govern nation's spectrum.</p> <ul style="list-style-type: none"> • Act No. 151/2000 Coll. on Telecommunications and on Amendments to Other Acts • Number of Governmental Decrees • Set of General Licenses <p>Telekomunikační věstník is issued by the Czech Telecommunication Office and is available at: http://portal.gov.cz/wps/portal/_s.155/9914 (Czech Only)</p> <p>It uses Act No. 151/2000 for the management of telecommunication</p>
	<p>Radio Frequency Register</p> <p>For information on frequency band allocation table please visit: www.ctu.cz/164/download/Plan_of_Frequency_Bands_Allocations.pdf?PHPSESSID=a9eff605e4472b10d0fa826dd0495001</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• www.ctu.cz/main.php?pageid=188• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/CZECHREPUBLIC.doc
	Reports <ul style="list-style-type: none">• N/A

General information	Spectrum Authority National Agency of Telecommunication
	Contact Details Location: National IT and Telecom Agency Copenhagen ; Denmark Postal Address: National IT and Telecom Agency Holsteinsgade 63 DK-2100 Copenhagen International Telephone : +45 35 45 0000 Fax: +45 35 45 0010 E-mail: itst@itst.dk Website: http://www.itst.dk
Spectrum Policy and Planning	Introduction The National Agency of Telecommunication is responsible for managing, assigning and allocating frequency. It addition, it also deals with daily management of frequency.
	Legislation The agency uses act n°421 du 06/6/2002 for the management of radio communication. http://www.itst.dk/image.asp?page=image&objno=103239560
	Radio Frequency Register All the radio frequency has to be registered. The agency uses administrative process to distribute the frequency. If the demand exceeds supply, then agency uses auction method to distribute the frequency.
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://itst.dk/wimpdoc.asp?page=tema&objno=203117922
	Reports <ul style="list-style-type: none"> • http://itst.dk/image.asp?page=image&objno=203180229 • http://www.dotecon.com/publications/nitastl.pdf

<p>General information</p>	<p>Spectrum Authority Estonian National Communications Board</p>
	<p>Contact Details</p> <p>Location: Estonian National Communications Board Tallinn Estonia</p> <p>Postal Address: Estonian National Communications Board Ädala 2 10614 Tallinn</p> <p>International Telephone : 372 693 1154</p> <p>Fax: 372 693 1155</p> <p>E-mail: sideamet@sa.ee</p> <p>Website: http://www.sa.ee/atp/?keel=en</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Estonian National Communications Board is responsible for the management, distribution and collection of fees of radio spectrum. Technical planning department , licensing department and supervision department are responsible for managing spectrum. Frequencies charges that are collected are paid to the state budget.</p>
	<p>Legislation</p> <p>It uses Electronic Communications Act Passed 8 December 2004 for the management and distribution of frequencies.</p> <p>It uses State Tax Act, last updated 10/1/2002 for the collection of licensing fees.</p>
	<p>Radio Frequency Register</p> <p>Radio frequency and licenses should be registered. The authority uses administrative process for the distribution of frequency. However, if more than one user applies for the same frequency then auction is organized for the particular frequency. For information on national radio frequency registration from 960 to 3100 MHz please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ESTONIA.doc</p> <p>License holders of public networks, emergencies bands , diplomats and military bands are exempted from frequencies charges.</p> <p>For more information please visit http://www.sa.ee/atp/?id=3190</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.sa.ee/atp/?id=3291• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ESTONIA.doc
	Reports <ul style="list-style-type: none">• http://sa.riik.ee/atp/failid/SA_aastaraamat_2005_ENG.pdf

<p>General information</p>	<p>Spectrum Authority Finnish Communications Regulatory Authority</p> <hr/> <p>Contact Details</p> <p>Location: Finnish Communications Regulatory Authority Itämerenkatu 3 A 00180 ; Helsinki</p> <p>Postal Address: PL 313 00181 ; Helsinki</p> <p>International Telephone : 09 69 661</p> <p>Fax: 09 6966 410</p> <p>E-mail: info@ficora.fi / kirjaamo@ficora.fi</p> <p>Website: http://www.ficora.fi/englanti/tele/index.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Finnish Communications Regulatory Authority (FICORA) oversees the use of radio frequencies in Finland. The objective is to offer interference less radio frequencies to all users. The authority aims to achieve technical and economical benefits from the spectrum .For more information please visit: http://www.ficora.fi/englanti/esittely/n2488.htm</p> <p>There has been frequency re-development in Finland.</p> <p>Legislation</p> <p>It uses Radio act (1015/2001) for the management of spectrum. For more information please visit: http://www.ficora.fi/englanti/esittely/n2488.htm</p> <p>A degree of ministry is used as legislation for the update and revision of licensing fees.</p> <p>Radio Frequency Register</p> <p>Radio links, satellite earth stations, amateur radio station, maritime radio transmitter are the radio equipment which should be licensed, whereas GSM, UMTS radio stations, PR27 and LA telephones, cordless telephones, satellite telephones, WLAN/RLAN equipment operating 2,4 GHZ and 5GHZ band, Telecomm equipment operating on collective frequencies and equipment for detecting movement and equipment for alert are license exempted.</p> <p>For information on allocation of national frequency band from 960 3000MHz please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/FINLAND1.DOC</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.ficora.fi/suomi/radio/n2461.htm • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/FINLAND1.DOC

	Reports <ul style="list-style-type: none"><li data-bbox="496 205 586 233">• N/A
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<p>General information</p>	<p>Spectrum Authority National Frequency Agency (NFA) French Telecommunications Regulatory Authority(FTA)</p> <hr/> <p>Contact Details</p> <p>Location: Agence Nationale des Fréquences MAISONS-ALFORT France</p> <p>Postal Address: BP 400 F-94704 Maisons Alfort Cedex</p> <p>International Telephone : 33 1 45 18 72 15</p> <p>Fax: 33 1 45 18 73 13</p> <p>E-mail: durand@anfr.fr</p> <p>Website: http://www.anfr.fr/index.php?cat=planification&page=plan_org (French only) ; http://www.art-telecom.fr/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>National frequency agency is responsible for managing the spectrum in global manner; however, the management of radio frequency for telecommunication and assignment of individual radio frequency is done by French Telecommunication Regulatory Authority. For more information please visit: http://www.art-telecom.fr/</p> <hr/> <p>Legislation</p> <p>FTA uses Telecommunications Act of 26/07/1996 n°96-659 to manage the radio spectrum of telecommunication.</p> <hr/> <p>Radio Frequency Register</p> <p>For information on frequency allocation from 960 to 3000 MHz please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/FRANCE.doc</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.art-telecom.fr/eng/index.htm • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/FRANCE.doc <hr/> <p>Reports</p> <ul style="list-style-type: none"> • http://www.itu.int/osg/spu/stn/spectrum/Spectrum_resources/General_resources-/Guitot_URSI.pdf • www.art-telecom.fr/interactive/recherche/index.htm

<p>General information</p>	<p>Spectrum Authority Federal Network Agency</p> <hr/> <p>Contact Details</p> <p>Location: Federal Network Agency Bonn, Federal Republic of Germany</p> <p>Postal Address: Tulpenfeld 4, 53113 Bonn, Postal address: Postfach 80 01, 53105 Bonn, Federal Republic of Germany</p> <p>International Telephone : 49 228 140</p> <p>Fax: 49 228 148 872</p> <p>E-mail: poststelle@bnetza.de</p> <p>Website: www.bundesnetzagentur.de</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The agency is responsible for frequency management in both telecommunication and broadband access. Its responsibilities include frequency planning, frequency distribution and collection of spectrum fees. For more information please visit: http://www.bundesnetzagentur.de/enid/358e0cbd779e6647b000bca44d0c9daa,0/Bundesnetzagentur_Englisch/Federal_Agency_xi.html</p> <p>Legislation</p> <p>Section 61 of the TKG allows Federal Network agencies to tender or auction frequencies and Sections 142/143 of the TKG allow the Federal Network Agency to collect charges for the frequency uses. For more information please visit: http://www.bundesnetzagentur.de/enid/358e0cbd779e6647b000bca44d0c9daa,0/Frequency_Management/Frequency_Assignment_18c.html</p> <p>Radio Frequency Register</p> <p>For the information on frequency uses plan please visit: http://www.bundesnetzagentur.de/enid/358e0cbd779e6647b000bca44d0c9daa,0/Frequency_Management/Frequency_Usage_Plan_2ul.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.bundesnetzagentur.de/enid/0adf915bf0727a55c,0/ • http://www.bundesnetzagentur.de/enid/eeababa2d26951a82eeab72423fb1c73,0/1-mb.html

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- www.itu.int/osg/spu/ni/multimobile/papers/MMS_flexiblespectrumstudy_060606.pdf

<p>General information</p>	<p>Spectrum Authority Ministry of Transport and Commission</p>
	<p>Contact Details</p> <p>Location: 2 Anastaseos Street, Papagou, 101 91 Athens, Greece</p> <p>Postal Address: 2 Anastaseos Street, Papagou, 101 91 Athens, Greece</p> <p>International Telephone : 30 201 650 8568</p> <p>Fax: 30 201 650 8570</p> <p>E-mail: g.drossos@yme.gov.gr</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Ministry of Transport and Communication is responsible for the management of frequency. It also assign individual radio frequency and register frequency and licenses. There has been spectrum re-development in the country.</p>
	<p>Legislation</p> <p>It uses Telecommunication Law 2867/00, Law 2801/00 and National Telecommunications and Post Commission (EETT) Decisions 210/2, 210/3, 254/72 for the management of spectrum.</p> <p>Manufacturers Declaration of Compliance is the procedure use to ensure that radio communication equipment compliance with the technical requirements.</p> <p>EETT DECISION 210/3 28/2/2001 is use to collect the frequency</p> <p>For information on general legislative information please visit: http://www.eett.gr/eng_pages/index2n.htm</p>
	<p>Radio Frequency Register</p> <p>For information on national frequency allocation please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/GREECE.doc</p> <p>Military bands are exempted from the frequencies fees.</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.eett.gr/eng_pages/index2n.htm • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/GREECE.doc
	<p>Reports</p>

	<ul style="list-style-type: none">• N/A
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1.1.4.16 Hungary

<p>General information</p>	<p>Spectrum Authority National Communications Authority Ministry of Information and communication</p> <hr/> <p>Contact Details</p> <p>Location: Communications Authority of Hungary H - 1015 Budapest Ostrom u. 23 - 25. Hungary</p> <p>Postal Address: Communications Authority of Hungary H-1525 Budapest P.O.Box 75 Hungary</p> <p>International Telephone : 36 1 457 7100</p> <p>Fax: 36 1 356 5520</p> <p>E-mail: info@nhh.hu</p> <p>Website: http://www.nhh.hu/index.php?id=hir&cid=916&mid=674</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>NCA is responsible for the operation of radio spectrum (frequency planning, assignment, frequency coordination with neighboring countries, preparation of long-term policy (national frequency allocation table, reframing plans, introduction of new radio services), licensing and monitoring the radio spectrum, whereas Ministry of Information and Communication is responsible for long term spectrum policy and strategy. For more information please visit: http://www.nhh.hu/index.php?id=hir&cid=916&mid=674</p> <hr/> <p>Legislation</p> <p>It uses act communications 2001 , Government Decree on the organisation of the Communications Authority of Hungary 2001 for the management of spectrum.</p> <p>It uses following legal text for the establishment of spectrum fees</p> <p style="padding-left: 40px;">Act XL of 2001 on Communications (2001)</p> <p style="padding-left: 40px;">Decree No 6/1997 (IV.22.) of the Minister of Transport, Communications and Water Management on Frequency Reservation and Usage Fees (2001)</p> <p>For information on Hungarian regional spectrum legislation please visit: http://www.nhh.hu/english/menu2/m2_6/2006/ntfa20060329_annex03.doc</p>

	<p>Radio Frequency Register</p> <p>For the information on frequency band allocation form 9 KHz to 400 GHz please visit:</p> <p>http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/HUNGARY.doc</p> <p>For information on the frequency register of Hungary please visit:</p> <p>http://www.nhh.hu/english/menu2/m2_6/2006/ntfa20060329_annex02.doc</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/HUNGARY.doc
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Post and Telecom Administration
	Contact Details Location: Post and Telecom Administration Reykjavik ;Iceland Postal Address: Post and Telecom Administration Sudurlandsbraut 4 150 ; Reykjavik International Telephone : 354 510 1500 Fax: 354 510 1509 E-mail: pta@pta.is Website: http://www.pta.is/displayer.asp?cat_id=88&module_id=210&element_id=87
Spectrum Policy and Planning	Introduction The authority is responsible for planning, monitoring and licensing of the spectrum.
	Legislation The legal framework for electronic communications and postal services is influenced by Directives of the European Union. Having signed the Agreement on the European Economic Area, Iceland has made a commitment to adopt all of the Directives of EU in the fields of electronic communications and postal services.
	Radio Frequency Register All the radio frequency should be registered. Some frequencies are assigned for service only(for example, Maritime and aeronautical communications, Radioamateur communications, CB radio, Low Power Devices (Short Range Devices), Wireless telephones) The National Table of Frequency Allocation for the range 9 kHz to 400 GHz can be found in following link: www.pta.is/displayer.asp?cat_id=88&module_id=210&element_id=87
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.pta.is/displayer.asp?cat_id=138
	Reports <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Commission for Communications Regulation (COMREG)
	Contact Details Location: Commission for Communications Regulation Dublin ; Ireland Postal Address: Commission for Communications Regulation Block DEF, Abbey Court Irish Life Centre Lower Abbey Street Dublin 1 International Telephone: 353 1 804 9600 Fax: 353 1 804 9680 E-mail: http://www.askcomreg.ie/ Website: http://www.comreg.ie/sector/default.asp?S=4&print=&id=&q=&sTV4=-TTX&TV4Exp=Y?s=4&navid=135
Spectrum Policy and Planning	Introduction COMREG is responsible for managing, licensing and monitoring the radio spectrum. The objective of ComReg is to ensure that the radio spectrum is used in the best possible and safest manner for the benefit of users of telecommunications services in Ireland.
	Legislation It uses wireless telegraphy act 1926
	Radio Frequency Register For information on frequency and device registration please visit: http://www.comreg.ie/5_8GHzRegistration.asp?S=4&NavID=198&M
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • www.comreg.ie/publications/default.asp?S=5&NavID=97&M=False • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/IRELAND2.pdf
	Reports <ul style="list-style-type: none"> • http://www.comreg.ie/fileupload/publications/CP37.pdf

General information	Spectrum Authority The Communications Regulatory Authority (Agcom)
	Contact Details Location: The Communications Regulatory Authority (Agcom) Naples Italy Postal Address: Centro Direzionale, Isola B5 – 80143 Naples Italy International Telephone : 39 081 7507111 Fax: 39 081 7507111 E-mail: info@agcom.it . Website: http://www.agcom.it/eng/eng_intro.htm
Spectrum Policy and Planning	Introduction According to law no. 24934, Agcom shares the task of spectrum planning and allocation with the Ministry of Communications.
	Legislation For information on legislation please visit: http://www.comunicazioni.it/it/index.php?Mn1=5&Mn2=25&Mn3=5&MnT4=4 (Italian only)
	Radio Frequency Register For information on radio frequency registration please visit: http://www.comunicazioni.it/it/index.php?IdPag=349 (Italian only)
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.agcom.it/rel_05/eng/rel_05_eng.pdf
	Reports <ul style="list-style-type: none"> • http://www.itu.int/osg/spu/tnt/Documents/TROISI_TNT_03.pdf

<p>General information</p>	<p>Spectrum Authority Public Utilities Commission Electronic Communications Office</p>
	<p>Contact Details</p> <p>Location: Electronic Communications Office Riga Latvia</p> <p>Postal Address: 41/43 Elizabetes Street Riga LV-1010 Latvia</p> <p>International Telephone : 371 733 3034</p> <p>Fax: 371 782 1275</p> <p>E-mail: esd@esd.lv</p> <p>Website: http://www.esd.lv/en/ www.sprk.gov.lv</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Public Utilities Commission is responsible for regulation of spectrum, whereas Electronic communication office is responsible for the proper management and distribution of spectrum. There has been spectrum re-development in the country.</p>
	<p>Legislation</p> <p>It uses following law for the management of spectrum.</p> <ul style="list-style-type: none"> • Law on Telecommunications adopted 1 November 2001; • Law on the Constitution of the International Telecommunication Union, Convention of the International Telecommunication Union and Optional Protocol on the Compulsory Settlement of Disputes Relating to the Constitution of the International Telecommunication Union, to the Convention of the International Telecommunication Union and to the Administrative Regulations and Other Legal Instruments adopted 21 March 2001; • Law on Radio and Television adopted 24 August 1995; • Latvian Administrative Offence Code (Articles 146-147 and 235); • Cabinet of Ministers Regulations No. 348 dated 7 October 1997 Regulations On The Licensing Of Several Types Of Commercial Activities; • Cabinet of Ministers Regulations No. 171 dated 30 April 2002 Radio Equipment Conformity Assessment Regulations entering into force .1 January 2003; • Cabinet of Ministers Regulations No. 188 dated 30 May 2000 Equipment Electromagnetic Compatibility Regulations; • Cabinet of Ministers Regulations No. 187 dated 30 May 2000 Equipment Electrical Safety Regulations;

	<ul style="list-style-type: none"> • Cabinet of Ministers Regulations No. 283 dated 22 August 2000 Telecommunication Terminal Equipment Conformity Assessment Regulations; • Cabinet of Ministers Regulations No. 395 dated 2 December 1997 Special Regulations On The Construction Of Telecommunication Networks And Equipment; • Other legal instruments, e.g Standards Law, Law on Public Services Regulators, etc <p>For information on Legislation please visit: http://www.sprk.gov.lv/index.php?id=2751&sadala=193</p>
	<p>Radio Frequency Register</p> <p>For information on national radio frequency from 960-3100 MHz please visit: http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/LATVIA.doc For information on frequency registration and licensing please visit: http://www.esd.lv/inner.php?left=102&left2=114</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/LATVIA.doc <p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Amt für Kommunikation
	Contact Details Location: Amt für Kommunikation Vaduz Liechtenstein Postal Address: Amt für Kommunikation Kirchstrasse 10 9490 Vaduz Liechtenstein International Telephone: 423 236 6488 Fax: 423 236 6489 E-mail: info@ak.llv.li Website: http://www.ak.llv.li/ (German only)
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register For information on frequency plan please visit: http://www.llv.li/amtsstellen/llv-ak-frequenzen.htm (German only)
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/LIECHTENSTEIN.doc
	Reports <ul style="list-style-type: none"> N/A

General information	Spectrum Authority Communications Regulatory Authority Radio Communication Department
	Contact Details Location: Communications Regulatory Authority Vilnius Lithuania Postal Address: Communications Regulatory Authority Algirdo str. 27 LT-03219 Vilnius Lithuania International Telephone : 370 5 210 5633 Fax: 370 5 216 1564 E-mail: rrt@rrt.lt Website: http://www.rrt.lt/index.php?914460630
Spectrum Policy and Planning	Introduction Communication Regulatory Authority is responsible for the managing, licensing and monitoring radio spectrum.
	Legislation For information on legislation please visit: http://www.rrt.lt/index.php?1243887511
	Radio Frequency Register For information on frequency allocation table please visit: http://www.rrt.lt/index.php?1497801894
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.rrt.lt/ • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/LITHUANIA.doc
	Reports <ul style="list-style-type: none"> • N/A

1.1.4.23 Luxembourg

General information	<p>Spectrum Authority Institut Luxembourgeois des Télécommunications</p>
	<p>Contact Details</p> <p>Location: Institut Luxembourgeois de Régulation 45, allée Scheffer L-2922 Luxembourg</p> <p>Postal Address: Institut Luxembourgeois de Régulation 45, allée Scheffer L-2922 Luxembourg</p> <p>International Telephone : 352 458 8451</p> <p>Fax: 352 45 884 588</p> <p>E-mail: ilr@ilr.lu</p> <p>Website: http://www.ilr.etat.lu/content.html (French only)</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>Only available in French.</p>
	<p>Legislation</p> <p>Only available in French.</p>
	<p>Radio Frequency Register</p> <p>For information on registration please visit: http://www.ilr.etat.lu/freq/legal/plan-freq.htm (French only)</p>
Relevant Documentation	<p>Online Documentation</p> <p>N/A</p>
	<p>Reports</p> <p>N/A</p>

<p>General information</p>	<p>Spectrum Authority Malta Communications Authority</p> <hr/> <p>Contact Details</p> <p>Location: Malta Communications Authority Valletta ; Malta</p> <p>Postal Address: Valletta Waterfront, Pinto Wharf, Valletta VLT01, Malta, Europe</p> <p>International Telephone : 356 21 336 840</p> <p>Fax: 356 21 336 846</p> <p>E-mail: mca@mca.org.mt</p> <p>Website: http://www.mca.org.mt/infocentre/index.asp?id=30</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The main responsibilities of the authority are to manage radio spectrum efficiently and effective, and to monitor the illegal use of the radio frequency. It aims to maximize the economic and social benefits from the efficient use of radio spectrum.</p> <hr/> <p>Legislation</p> <p>The Malta Communications Authority (MCA) has general powers under the Malta Communications Authority Act (Chapter 418 of the Laws of Malta) and specific powers under other laws, such as the Telecommunications (Regulation) Act (Chapter 399 of the Laws of Malta). The Authority is the appointed competent authority for the supervision of signature certification service providers established in Malta as defined in the Electronic Commerce Act (Chapter 426 of the Laws of Malta). With the enactment of the Postal Services Act, the Authority also became the competent authority to regulate postal services in Malta.</p> <p>For more information, please visit: http://www.mca.org.mt/library/index.asp?lc=4&t=2</p> <hr/> <p>Radio Frequency Register</p> <p>Although there are currently no specific legal provisions setting out responsibilities for the preparation of the national frequency plan, the plan has been drawn up by the Wireless Telegraphy Department on behalf of the Minister. http://www.mca.org.mt/library/show.asp?id=516&lc=4</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.mca.org.mt/library/channel.asp?lc=4&ch=74&t=0 • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/MALTA.doc

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- <http://www.mca.org.mt/news/archive.asp?y=2005>

General information	Spectrum Authority State Commission on Radio Frequencies
	Contact Details Location: Postal Address: 28/2 Drumul Viilor st.,Chisinau, MD-2021 International Telephone: 373 22 735 364 Fax: 373 22 733 941 E-mail: isc@isc.md Website: http://www.mdi.gov.md
Spectrum Policy and Planning	Introduction State commission on radio frequencies is responsible for managing, licensing and monitoring the use radio frequencies in Moldova.
	Legislation The ministry uses the following law for the managing and licensing the radio frequencies. <ul style="list-style-type: none"> • Law on television and radio № 603-XII from 03.10.1995 • Regulations on the licensing in the field of telecommunication and informatics, approved by the Administrative council of ANRTI №5 from 30.04.2002 • National table of radiofrequency bands allocation, approved by the decision of State Commission on Radio Frequencies of the Government of the Republic of Moldova №11 from 27.04.2000 For more information please visit: http://www.mdi.gov.md/gis_legii_en/
	Radio Frequency Register Ministry issue two types of licenses, individual license and group license. Individual license allows users to use the limited resources like radio frequencies, whereas group license does not allow users to use limited resources. For more information please visit: http://www.anrti.md/en/acte/Leg_telecom.htm
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/MONACO.doc
	Reports <ul style="list-style-type: none"> • N/A

1.1.4.26 Monaco

General information	<p>Spectrum Authority Public Work and Social Affairs Direction de Communication de Monaco</p>
	<p>Contact Details</p> <p>Location: 23, avenue Albert II - 98 000 Monaco</p> <p>Postal Address: N/A</p> <p>International Telephone: 377 93 15 88 00</p> <p>Fax: 377 97 98 56 57</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>Direction de Communication de Monaco is in charge of regulating and managing frequencies. In addition, it is responsible for harmonizing the relation with nation and international telecom operators.</p> <p>For more information please visit: http://www.nic.mc/information/mcNicInformation-us.html</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/MONACO.doc
	<p>Reports</p> <p>N/A</p>

<p>General information</p>	<p>Spectrum Authority Agency for telecommunication</p>
	<p>Contact Details</p> <p>Location: 81000 Podgorica</p> <p>Postal Address: Agency for telecommunications Address: Bulevar revolucije br 1. 81000 Podgorica</p> <p>International Telephone: 381 81 241 786</p> <p>Fax: 381 81 241 805</p> <p>E-mail: zoran.sekulic@agentel.cg.yu</p> <p>Website: http://www.agentel.cg.yu</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Agency for telecommunication is responsible for managing, monitoring and licensing spectrum.</p> <p>The objectives of the agency are “to design and implement a regulatory framework , to make the steps which will lead the process of transition towards new international telecommunications society by an ongoing review of the degree of liberalisation in telecommunications market in Montenegro and to encourage private investments, taking into account national interests and the goals of the economic development of the country”</p> <p>For more information please visit: http://www.agentel.cg.yu</p>
	<p>Legislation</p> <p>The authority uses radio communication Law published in the Gazette of the Republic of Montenegro No. 35/04 for the management of radio frequency.</p> <p>For more information please visit: http://www.agentel.cg.yu/english/regulativa/regulativa.htm</p>
	<p>Radio Frequency Register</p> <p>All radio frequencies should be licensed and should be paid. There are general license and specific license. Radio frequency falls under specific license.</p> <p>For more information please visit: http://www.agentel.cg.yu/english/licence/licence.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A

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- <http://www.agentel.cg.yu/english/izvjestaji/izvjestaji.htm>

General information	Spectrum Authority RadioCommunication Agency Neitherlands
	Contact Details Location: Piet Mondriaanlaan 54 3812 GV Amersfoort The Netherlands Postal Address: Postbus 1671 3800 BR Amersfoort International Telephone : 033 460 08 00 Fax: 033 460 08 50 E-mail: agentschaptelecom@at-ez.nl Website: http://www.agentschap-telecom.nl/
Spectrum Policy and Planning	Introduction It is responsible for frequency planning, issuing licenses and enforcement of frequency use.
	Legislation It uses Telecommunication act for the management of radio communication.
	Radio Frequency Register For information on national frequency registration please visit: http://www.agentschap-telecom.nl/nfr/index_uk.html For information on licensing please visit: http://www.agentschap-telecom.nl/
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://www.agentschap-telecom.nl/ • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/NETHERLANDS1.doc
	Reports <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Norwegian Post and Telecommunications Authority</p>
	<p>Contact Details</p> <p>Location:</p> <p>Norwegian Post and Telecommunications Authority Revierstredet 2, Oslo</p> <p>Postal Address:</p> <p>Norwegian Post and Telecommunications Authority; Postboks 447 Sentrum N-0104 Oslo, Norway</p> <p>International Telephone : 47 22 82 46 00</p> <p>Fax: 47 22 82 46 40</p> <p>E-mail: firmapost@npt.no</p> <p>Website: http://www.npt.no/portal/page?_pageid=118.45999&_dad=_portal&_schema=PORTAL</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The main task of the authority in the field of spectrum is to acquire, distribute and protect the spectrum use.</p>
	<p>Legislation</p> <p>For more on regulations within the NPTs area please visit: http://www.npt.no/portal/page?_pageid=118.46038&_dad=portal&_schema=PORTAL&p_d_i=121&p_d_c=&p_d_v=47862</p>
	<p>Radio Frequency Register</p> <p>For information on frequency register please visit: http://www.npt.no/iKnowBase/FileServer/overview_of%20assigned_spectrum_licenses.pdf?documentID=49005</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.npt.no/portal/page?_pageid=118.46047&_dad=portal&_schema=PORTAL&p_url=/pt_internet/eng/publications/index.html

Reports

- www.npt.no/portal/page?_pageid=118.46047&_dad=portal&_schema=PORTAL&p_url=/pt_internet/eng/consultations/index.html

<p>General information</p>	<p>Spectrum Authority Office of Electronic Communications</p>
	<p>Contact Details</p> <p>Location: Office of Electronic Communications Warszawa Polska</p> <p>Postal Address: Office of Electronic Communications Ul. Kasprzaka 18/20 01-211 Warszawa Polska</p> <p>International Telephone : 48 22 534 9180</p> <p>Fax: 48 22 534 9175</p> <p>E-mail: uke@uke.gov.pl</p> <p>Website: http://www.en.uke.gov.pl/urtipen/index.jsp?place=Menu01&news_cat_id=-1&layout=0</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Office of electronic communication is responsible for the management and licensing the radio spectrum. The main objective of the organization are:</p> <ul style="list-style-type: none"> • to promote completion in the telecommunication market • to encourage the development of telecommunication market. • to ensure every citizen has excess to service • To implement policies aiming at the promotion of cultural and linguistic diversity, and media pluralism • To ensure technological neutrality of adopted legal standards
	<p>Legislation</p> <p>Information on different telecommunication law please visit: http://www.en.uke.gov.pl/ukeen/index.jsp?place=Menu01&news_cat_id=17&layout=2</p>
	<p>Radio Frequency Register</p> <p>License owner has to pay application fee, license fee and attachment fee. http://www.en.uke.gov.pl/ukeen/index.jsp?news_cat_id=76&news_id=560&layout=1&page=text&place=Lead01</p> <p>For information on national frequency allocation table of Poland please visit: http://www.ero.dk/02366373-70DD-4153-A8E3-5337CC1AE8B8?frames=no&</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.en.uke.gov.pl/urtipen/index.jsp?place=Menu07&news_cat_id=16&layout=1

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- <http://www.en.ukc.gov.pl/ukeen/index.jsp>

<p>General information</p>	<p>Spectrum Authority National Regulatory Authority for Communication Spectrum Management Department</p>
	<p>Contact Details</p> <p>Location: Autoridade Nacional de Comunicações Lisboa (Lisbon) Portugal</p> <p>Postal Address: Autoridade Nacional de Comunicações Av. José Malhoa, 12 1099-017 Lisboa (Lisbon) Portugal</p> <p>International Telephone : 351 21721 1000</p> <p>Fax: 351 21721 1001</p> <p>E-mail: info@anacom.pt</p> <p>Website: http://www.icp.pt/index.jsp?categoryId=2958</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Spectrum Management Directorate is in charge of planning, management and control of the radio spectrum to ensure its effective and efficient use.</p>
	<p>Legislation</p> <p>For the information on legislation of radio communication please visit: http://www.icp.pt/template16.jsp?categoryId=5320</p>
	<p>Radio Frequency Register</p> <p>For information on frequency registration and frequency planning please visit: http://www.icp.pt/template15.jsp?categoryId=82710</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.icp.pt/template12.jsp?categoryId=52390
	<p>Reports</p> <ul style="list-style-type: none"> • www.icp.pt/template15.jsp?categoryId=151402

General information	Spectrum Authority General Inspector for Information and Communication Technology
	Contact Details <div style="background-color: #e0e0e0; padding: 10px;"> <p>Location: Ministry of Communications and Information Technology Bucharest Romania</p> <p>Postal Address: Ministry of Communications and Information Technology Bd. Libertatii No. 14 Sector 5, Cod 050706 Bucharest Romania</p> <p>International Telephone : 40 21 400 11 90</p> <p>Fax: 40 21 336 58 87</p> <p>E-mail: office@mcti.ro</p> <p>Website: http://www.igcti.ro/igcti_eng.php?id=185</p> </div>
Spectrum Policy and Planning	Introduction IGCTI is responsible for managing the radio frequency spectrum and assigning radio frequencies to non governmental allotment bands. In addition, it inspects unauthorized use of spectrum.
	Legislation For the information on different legislation that Romania follow to manage radio frequencies please visit: http://www.igcti.ro/igcti_eng.php?id=187
	Radio Frequency Register It issue emission license, authorization for broadcasting, frequency uses license, frequency uses authorization for MMDS networks and technical functioning authorizations for broadcasting/rebroadcast of audiovisual programs through telecommunications networks. These radio communication licenses are registered. For more information please visit: http://www.igcti.ro/igcti_eng.php?id=186
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • www.mcti.ro/1205.html • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/ROMANIA1.doc

	Reports <ul style="list-style-type: none"><li data-bbox="487 168 581 199">• N/A
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1.1.4.33 Russian Federation

<p>General information</p>	<p>Spectrum Authority Ministry for Communication and Information of the Russian Federation</p>
	<p>Contact Details</p> <p>Location:</p> <p>Postal Address: 7, Tverskaya Street 125375 MOSCOW RUSSIAN FEDERATION</p> <p>International Telephone: 7 095 771 84 00</p> <p>Fax: 7 095 771 87 24</p> <p>E-mail: gkrch-russia@mtu-net.ru ; intorg@minsvyaz.ru</p> <p>Website: http://www.gov.ru/ (Russian only)</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Only available in Russian.</p>
	<p>Legislation</p> <p>The authority uses Russian federation law on telecommunication for licensing and managing the spectrum.</p>
	<p>Radio Frequency Register</p> <p>Only available in Russian.</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.4.34 San Marino

General information	Spectrum Authority Ministry of Post and Telecommunication
	Contact Details <div style="background-color: #cccccc; padding: 5px;"> Location: Postal Address: Contrada Omerelli, 17 47890 SAN MARINO International Telephone: 378 054 988 2217 Fax: 378 054 988 2244 E-mail: segr.finanze@omniway.sm Website: http://www.interni.segreteria.sm/ (Italian only) </div>
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • N/A
	Reports <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Ministry of Capital Investments, Telecommunication Department
	Contact Details <div style="background-color: #e0e0e0; padding: 10px;"> <p>Location: Nemanjina 22-26 SC-11000 BEOGRAD</p> <p>Postal Address: Counsellor in Radiocommunications Dept. Department of Telecommunications Nemanjina 22-26 SC-11000 BEOGRAD</p> <p>International Telephone: 381 11 311 2469</p> <p>Fax: 381 11 311 8288</p> <p>E-mail: mintel@gov.yu</p> <p>Website: N/A</p> </div>
Spectrum Policy and Planning	Introduction Telecommunication is recently handled by ministry of capital investment. Department of telecommunication under ministry of capital investment manages the radio spectrum.
	Legislation According to the report, Serbia has recently adopted the telecommunication law but law on radio spectrum is still to develop. For more information please visit: http://www.yusurvey.co.yu/products/ys/showSummaryArticle.php?prodId=2052&groupId=5755
	Radio Frequency Register The ministry is still working on the proper management of radio communication frequency and licensing policy. For more information please visit: http://www.yusurvey.co.yu/products/ys/showSummaryArticle.php?prodId=2052&groupId=5755
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • N/A
	Reports <ul style="list-style-type: none"> • N/A

1.1.4.36 Slovak Republic

<p>General information</p>	<p>Spectrum Authority Telecommunications Office of the Slovak Republic Spectrum Planning Department</p>
	<p>Contact Details</p> <p>Location: Telecommunications Office of the Slovak Republic Bratislava Slovak Republic</p> <p>Postal Address: Telecommunications Office of the Slovak Republic Továrenská 7 P. O. Box 18 810 06 Bratislava 16 Slovak Republic</p> <p>International Telephone : 421 2 57 881 111</p> <p>Fax: 421 2 52 932 096</p> <p>E-mail: stefan.kardhordo@teleoff.gov.sk</p> <p>Website: http://www.teleoff.gov.sk/en/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The authority is responsible for the management and allocation of frequency.</p>
	<p>Legislation</p> <p>For information on Slovakian legislation please visit: http://www.teleoff.gov.sk/en/announcement.html</p>
	<p>Radio Frequency Register</p> <p>For information on an interactive frequency register please visit: http://www.vus.sk/ntfs/Ang/nft_ang.asp</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General information	Spectrum Authority Post and Electronic Communication Agency of Republic of Slovenia
	Contact Details <div style="background-color: #e0e0e0; padding: 5px;"> <p>Location: 1000 Ljubljana; Slovenia</p> <p>Postal Address: Stegne 7 PO Box 418 1000 Ljubljana; Slovenia</p> <p>International Telephone: 386 1 583 63 00</p> <p>Fax: 386 1 511 11 01</p> <p>E-mail: Martin.ocko@atrp.si</p> <p>Website: http://www.atrp.si</p> </div>
Spectrum Policy and Planning	Introduction One of the missions of the agency is to provide and supervise efficient use of radio frequency spectrum.
	Legislation It uses mass media act-Zmed (2001) for the issue and revocation of licenses for performing radio and television activities For more information on legislation please visit: <ul style="list-style-type: none"> • http://mid.gov.si/mid/mid.nsf/V/KA0E6FADE1BF5BBFAC1256EA50054D399/\$file/-Electronic_Communications_Act_May04.pdf • http://mid.gov.si/mid/mid.nsf/V/KDAD5EEEE9150A3B6C1256D8F0045E9B2/\$file/-Zakon_o_dostopu_do_informacij_ANG.pdf • http://mid.gov.si/mid/mid.nsf/V/K078105B555CEC5DCC1256D55002F9A25/\$file/-Law_on_Postal_Services.pdf
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • http://mid.gov.si/mid/mid.nsf/V/KACF73A1447CF53FEC1256DE50042087A/\$file/-Strategy%20RSIS_final_20030213.pdf
	Reports <ul style="list-style-type: none"> • N/A

1.1.4.38 Spain

General information	<p>Spectrum Authority Ministerio de Industria Turismo y Comercio</p>
	<p>Contact Details</p> <p>Location: Barcelona, Spain</p> <p>Postal Address: Paseo de la Castellana, 160 28071-Madrid</p> <p>International Telephone : 902 446 006</p> <p>Fax: 91457 8066</p> <p>E-mail: N/A</p> <p>Website: http://www.mityc.es (Spanish only)</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>For the information on responsibilities of the ministry please visit: http://www.mityc.es/es-ES/Ministerio/ElMinistro/ (Spanish only)</p>
	<p>Legislation</p> <p>For information on legislation please visit: http://www.mityc.es/es-ES/Servicios/OficinaVirtual/Legislacion/ (Spanish only)</p>
	<p>Radio Frequency Register</p> <p>For information on registration please visit: http://www.mityc.es/es-ES/Servicios/LicitacionPublica</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.cmt.es/cmt_eng/centro_info/publicaciones/index.htm

General information	Spectrum Authority Swedish National Post and Telecom Agency
	Contact Details Location: Swedish National Post and Telecom Agency Stockholm ; Sweden Postal Address: Box 5398 SE-102 49 STOCKHOLM Birger Jarlsgatan 16 International Telephone : 46 8 678 5500 Fax: 46 8 678 5505 E-mail: pts@pts.se Website: http://www.pts.se/Sidor/sida.asp?SectionId=1134
Spectrum Policy and Planning	Introduction PTS is responsible for the allocation of the radio spectrum and issuing the radio license for spectrum and devices. In addition, the authority monitors that all radio and telecommunications terminal equipment and inspect the illegal use of radio frequencies.
	Legislation The Swedish National Post and Telecom Agency continually updates its released legislation. Further details of current regulations can be found by following the below link: http://www.pts.se/Dokument/dokumentlista.asp?SectionId=922
	Radio Frequency Register For the information on frequency allocation plan please visit: www.pts.se/Sidor/sida.asp?SectionId=1149
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • www.pts.se/Bestallning/bestallningslista.asp?SectionId=1272
	Reports <ul style="list-style-type: none"> • http://www.pts.se/Archive/Documents/EN/Dividend_eng.pdf

<p>General information</p>	<p>Spectrum Authority Federal Office of Communications</p>
	<p>Contact Details</p> <p>Location: Federal Office of Communications Biel Switzerland</p> <p>Postal Address: Federal Office of Communications Zukunftstrasse 44 P.O. Box 2501 Biel</p> <p>International Telephone : 41 32 327 5511</p> <p>Fax: 41 32 327 5555</p> <p>E-mail: info@bakom.admin.ch</p> <p>Website: www.bakom.ch/themen/frequenzen/index.html?lang=en</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Federal Office of Communications is responsible for frequency management, frequency allocation and frequency distribution.</p>
	<p>Legislation</p> <p>For information on legislation on radiocommunication please visit: http://www.bakom.ch/dokumentation/gesetzgebung/00512/01031/index.html?lang=en</p>
	<p>Radio Frequency Register</p> <p>Frequency allocation plan in Switzerland is based on CEPT and ITU recommendation.</p> <p>For information on frequency allocation plan please visit: http://www.bakom.ch/themen/frequenzen/00652/index.html?lang=en</p> <p>For information on radio frequency licenses please visit: http://www.bakom.ch/themen/frequenzen/00689/00979/index.html?lang=en</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • www.bakom.ch/schalter/01370/index.html?lang=en • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SWITZERLAND.doc

	Reports
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- N/A

1.1.4.41 The Former Yugoslav Republic of Macedonia

General information	<p>Spectrum Authority The telecommunication office</p>
	<p>Contact Details</p> <p>Location: N/A</p> <p>Postal Address: N/A</p> <p>International Telephone: N/A</p> <p>Fax: N/A</p> <p>E-mail: N/A</p> <p>Website: N/A</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>The telecommunication office is responsible for the regulation, management and licensing of spectrum.</p>
	<p>Legislation</p> <p>For information on legislation please visit: http://62.162.36.2/regulations/law%20on%20electronic%20communications.pdf</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority Ukrainian State Centre of Radio Frequencies</p>
	<p>Contact Details</p> <p>Location: 15 km pr. Peremogy, 03179 Kyiv, Ukraine</p> <p>Postal Address: Ukrainian State Centre of Radio Frequencies 15 km pr. Peremogy, 03179 Kyiv, Ukraine</p> <p>International Telephone: 38 044 422 8103</p> <p>Fax: N/A</p> <p>E-mail: buchelnikov@ucrf.gov.ua</p> <p>Website : http://www.ucrf.gov.ua/en/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Ukrainian State Centre of Radio Frequencies is an authorized radio frequency agency. It acts as a State Telecommunications Inspection of Ukraine (STI) and belongs to the governing scope of Communications Administration of Ukraine.</p>
	<p>Legislation</p> <p>Powers of the Ukrainian State Centre of Radio Frequencies on “Radio Frequency Resource of Ukraine” are mention in the article 7 of the law of Ukraine. It utilizes this law to assign the radio spectrum, to give permission for the use of radio spectrum and to monitor the use of radio spectrum.</p> <p>For more information please visit: http://www.ucrf.gov.ua/en/doc</p>
	<p>Radio Frequency Register</p> <p>Representatives of the National Commission on Communication Regulation (NCCR) said that RLANs will be authorized to use the 5.150-5.250 GHz band under a class license, and that 2.4 GHz is expected to become available for license-free use by 2010. Only 0.5% of frequencies are available for non government use; however government wants to increase this to at least 70%</p> <p>For more information please visit http://www.volweb.cz/horvitz/os-info/ukraine.html</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.volweb.cz/horvitz/os-info/CSR-Horvitz-final.pdf#search=%22Ukraine%20(spectrum%20management)%22 • http://www.ucrf.gov.ua/en/edu/library/1121858864/ • http://www.tk.gov.tr/Etkinlikler/Uluslararası_Etkinlikler/2006/konferanslar/hazar_1/-sunumlar/o_hayduk.ppt • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/UKRAINE1.doc

	<p>Reports</p> <ul style="list-style-type: none">• http://www.euroscience.org/WGROUPS/TECH_TRSFER/WGTT-Ukraine-Report2001.pdf#search=%22Ukraine%20(spectrum%20policy)%22
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1.1.4.43 United Kingdom of Great Britain & Northern Ireland

<p>General information</p>	<p>Spectrum Authority Office of Communications (OFCOM)</p> <hr/> <p>Contact Details</p> <p>Location: Ofcom London United Kingdom</p> <p>Postal Address: Ofcom Riverside House 2a Southwark Bridge Road London SE1 9HA</p> <p>International Telephone : 44 20 7981 3000</p> <p>Fax: 44 20 7981 3333</p> <p>E-mail: mike.goddard@ofcom.org.uk</p> <p>Website: http://www.ofcom.org.uk/radiocomms/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Office of Communication is responsible for the management of television, radio, telecommunications and wireless communications services.</p> <p>For detail responsibilities and duties of OFCOM please visit: http://www.ofcom.org.uk/about/sdrp/</p> <hr/> <p>Legislation</p> <p>IT uses the communication act 2003 to carry out their functions.</p> <p>For information on legislation please visit: http://www.comreg.ie/about_us/default.asp?S=2&NavID=129&M</p> <hr/> <p>Radio Frequency Register</p> <p>All the radio spectrum must be registered and licensed. Spectrums are generally awarded through auction. For information on radio communication licenses please visit: http://www.ofcom.org.uk/radiocomms/ifi/</p> <p>For information on frequency allocation table please visit: http://www.ofcom.org.uk/radiocomms/isu/ukfat/</p> <p>For more information on frequency registration please visit:</p>

	<ul style="list-style-type: none"> • http://www.comreg.ie/sector/default.asp?STV4=SFO&TV4Exp=y&navid=139&s=4 • http://www.comreg.ie/sector/default.asp?S=4&NavID=197&M
<p style="text-align: center;">Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.ofcom.org.uk/radiocomms/ifi/tech/ofw197.pdf • http://www.ofcom.org.uk/radiocomms/spectrumawards/ • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/UNITEDKINGDOM1.doc
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

1.1.4.44 Vatican City

Vatican City	
General information	Spectrum Authority Secrétariat Général du Governatorato
	Contact Details Location: V-00120 Vatican City Vatican City State Postal Address: Administration des Postes et Télégraphes V-00120 Vatican City Vatican City State International Telephone : N/A Fax: 39 06 6988 3955 E-mail: dirtecct@vatradio.va Website: N/A
Spectrum Policy and Planning	Introduction N/A
	Legislation N/A
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> • N/A
	Reports <ul style="list-style-type: none"> • N/A

1.1.5 OCEANIA

1.1.5.1 Australia

General information	<p>Spectrum Authority Australian Communication and Media Authority</p> <hr/> <p>Contact Details</p> <p>Location: Canberra, Melbourne & Sydney Central Offices</p> <p>Postal Address: Canberra Central Office Purple Building, Benjamin Offices, Chan Street, PO Box 78</p> <p>International Telephone : Tel: 61 2 6219 5555</p> <p>Fax: Fax: 61 2 6219 5200</p> <p>E-mail: freqplan@acma.gov.au</p> <p>Website: http://www.acma.gov.au/ACMAINTER.131218:LANDING::pc</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>The ACMA has responsibility for planning and managing the parts of the radiofrequency spectrum. The ACMA aims to increase the range and diversity of broadcasting services and to provide audiences with better access to those services. It continues to increase access to analog radio and television services while at the same time facilitates the roll out of digital services.</p> <p>There can be no more than three commercial television licenses in a market until after a date specified by Government proclamation (currently 2006) but no such limit applies to the allocation of new commercial or community radio licenses. These licenses may be allocated to any suitable person. New commercial broadcasting services are allocated by a price-based system. Community licenses are allocated on a merit-based system.</p> <p>The ACMA has determined a class license for subscription radio broadcasting, subscription radio or television narrowcasting and open radio or television narrowcasting. A person or company intending to provide any such service can commence operations straight away, although they must comply with the conditions of their particular class license.</p>

	<p>Legislation</p> <p>In response to unexpectedly strong market demand, ACMA has decided to use a price-based allocation process for fixed (point to multipoint station) apparatus licenses for broadband wireless access services in the 1.9 GHz band.</p> <p>The frequencies to be allocated are in the 1900-1920 MHz frequency range.</p> <p>Where demand exceeds supply, ACMA will adopt a price-based allocation system (allowable under s.106 of the <i>Radiocommunications Act 1992</i>) rather than use a first-in-time allocation process. In the meantime, ACMA will not issue apparatus licenses for broadband wireless access services in the 1.9 GHz band under the first-in-time process.</p> <p>Under the price-based allocation model, license applications are assessed at a closing date (scheduled every three months) and an open-outcry auction is held where applications demonstrate that demand exceeds supply.</p> <p>If there is only one potential licensee for a particular area, that license will be made available at a reserve price, yet to be determined.</p> <p>Radio Frequency Register</p> <p>The register is intended to be a handy source of reference information on radiocommunications services. Information gathered via this interface is on a real-time basis. Each search is generally limited to 50 results per page, with an overall limit of approximately 5000 results per search, depending upon the particular options used.</p> <p>For more information please visit:</p> <ul style="list-style-type: none"> • http://web.acma.gov.au/pls/radcom/register_search_main_page
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.acma.gov.au/ACMAINTER.131180:STANDARD::pc=PC_1650
	<p>Reports</p> <ul style="list-style-type: none"> • http://www.itu.int/osg/spu/stn/spectrum/Spectrum_resources/General_resources-/Australia.pdf

1.1.5.2 Fiji

<p>General information</p>	<p>Spectrum Authority Ministry of information and communication</p> <hr/> <p>Contact Details</p> <p>Location: Suva, Fiji</p> <p>Postal Address: PO Box 2264 Government Buildings Suva, Fiji</p> <p>International Telephone: 321 1250</p> <p>Fax: 330 5139</p> <p>E-mail: : info@fiji.gov.fj ; trokobar@govnet.gov.fj</p> <p>Website: www.info.gov.fj</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Ministry of information and communication is responsible for the management of spectrum and its responsibilities are:</p> <ul style="list-style-type: none"> • to provide ministerial support services • to administrate operating licenses • to administrate radio communication licenses • to issue radio operators certification • to approve telecommunications contractors • to issue telecommunications equipment licensing service • to provide telecommunications inspection services • to allocate radio frequencies. <p>For more information please visit: http://www.fiji.gov.fj/uploads/FijiToday2005-06.pdf</p> <hr/> <p>Legislation</p> <p>The ministry of information and communication under the relevant provisions in the Posts and Telecommunications Decree 1989 (the P&T Decree 1989) manages the radio frequency spectrum.</p> <hr/> <p>Radio Frequency Register</p> <p>N/A</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.fjitimes.com/bla/FBCL.pdf

	Reports <ul style="list-style-type: none"><li data-bbox="500 163 591 197">• N/A
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1.1.5.3 Kiribati

General information	<p>Spectrum Authority Telecommunications Authority of Kiribati</p>
	<p>Contact Details</p> <p>Location: Betio, Tarawa</p> <p>Postal Address: Manager Engineering - Bwanouia Aberaam Telecommunications Authority of Kiribati Betio, Tarawa Kiribati</p> <p>International Telephone: 686 25431</p> <p>Fax: 686 25432</p> <p>E-mail: bwanouia.aberaam@nic.ki</p> <p>Website: http://www.tskl.net.ki/</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>Regulation of the telecom industry in Kiribati is under the responsibility of the Ministry of Telecommunications, as a result of the Telecommunications Act 1983. Operations of telecommunications are undertaken by Kiribati Telecommunications Services Limited, which sometimes performs the duties of the regulator.</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

General Information	
General information	<p>Spectrum Authority Ministry of Transport and Communications</p>
	<p>Contact Details</p> <p>Location: Majuro, MH 96960 Marshall Islands</p> <p>Postal Address: P.O. Box 1079 Majuro, MH 96960 Marshall Islands</p> <p>International Telephone: 692 625 5010</p> <p>Fax: 692 625 5011</p> <p>E-mail: tmuller@elele.peacesat.hawaii.edu</p> <p>Website: N/A</p>
Spectrum Policy and Planning	<p>Introduction</p> <p>The Communications Act 1987 established the National Telecommunication Authority of the Marshall Islands as a statutory corporation with a five member Board of Directors comprising the President of the Republic, two Ministry officials and two members of the private sector. The Act also gives the corporation wide power to carry out its functions as the provider of telecommunications. The corporation was privatized in 1990 with the Government holding a significant share of the new entity.</p>
	<p>Legislation</p> <p>N/A</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
Relevant Documentation	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority The Department of Transportation and Communication</p>
	<p>Contact Details</p> <p>Location: Pohnpei FM 96941</p> <p>Postal Address: P.O Box PS-2 Palikir, Pohnpei FM 96941 Micronesia</p> <p>International Telephone: 691 320 2865</p> <p>Fax: 691 320 5853</p> <p>E-mail: N/A</p> <p>Website: http://www.ict.fm/frequency_spectrum.htm</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Division of communication under the department of transport and communication is responsible for formulating the regulation of radio frequency spectrum in accordance with national and international law. It also insures the safety of its citizen. For more information please visit: http://www.ict.fm/</p>
	<p>Legislation</p> <p>It uses Federated States of Micronesia Radio Communication Act of 1991 for managing and distributing the radio frequency. For more information please visit: http://fsmlaw.org/fsm/code/title21/T21_Ch01.htm</p>
	<p>Radio Frequency Register</p> <p>Licenses are issued for four different radio services. These are amateur radio, broadcasting station, citizen band, fixed, ship station and mobile band. License category for each of the services are AT, BC, CB and FX/MS/ML respectively.</p> <p>For more information please visit: http://www.ict.fm/application.htm</p> <p>All the radio frequency should be licensed and authorized. Unauthorized use of radio communication and radio equipment are prohibited; those who do not follow the national regulations on radio frequency should bear penalty.</p> <p>For more information please visit: http://fsmlaw.org/fsm/code/title21/T21_Ch01.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.ict.fm/radiocomm.htm

	Reports <ul style="list-style-type: none">• N/A
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General information	Spectrum Authority The ministry of Island development Telecommunication department
	Contact Details Location: P.O. Box TELECOM Nauru Postal Address: P.O. Box TELECOM Nauru International Telephone: 674 444 3132 Fax: 674 444 3111 E-mail: N/A Website: N/A
Spectrum Policy and Planning	Introduction Statutory corporation called Rontel has the duties of radio licensing and allocation of frequencies. However, it is not clear whether Rontel provide license to other service providers. Rontel is control by telecommunication department in the ministry of Island development. For more information please visit: http://www.itu.int/ITU-D/finance/work-cost-tariffs/events/tariff-seminars/suva-fiji-03/report.pdf
	Legislation The ministry uses the Wireless Telegraphy Act 1974 and Telecommunication Act 2002 for managing the spectrum. For more information please visit: http://www.trp.hku.hk/papers/2005/telecoms_data.pdf
	Radio Frequency Register N/A
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> N/A
	Reports <ul style="list-style-type: none"> N/A

<p>General information</p>	<p>Spectrum Authority Ministry of Economic Development Radio Spectrum Management Office</p>
	<p>Contact Details</p> <p>Location: 33 Bowen Street Wellington New Zealand</p> <p>Postal Address: PO Box 2847 Wellington 6015 New Zealand</p> <p>International Telephone : 64 3 962 2603</p> <p>Fax: 64 4 499 0797</p> <p>E-mail: info@rsm.govt.nz</p> <p>Website: http://www.rsm.govt.nz/index.html</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Ministry is responsible for providing advice to Government on the allocation of radio frequencies to meet the demands of emerging technologies and services, in order to ensure that the radio spectrum provides the greatest economic and social benefit to New Zealand society. For more information please visit: http://www.rsm.govt.nz/spp/index.html#rfr</p>
	<p>Legislation</p> <p>The primary mechanism for managing radio transmissions are the Radiocommunications Act 1989, and the Radiocommunications Regulations 2001. Other relevant legislations are the Broadcasting Act 1989 which deals with issues generally related to the content of broadcasting services, the Telecommunications Act 1987 and the Telecommunications Act 2001 which deal with matters relating to telecommunications services, and the Commerce Act 1986 which deals with market and competition matters.</p> <p>For more information please visit: http://www.rsm.govt.nz/legislation/environment.html</p>
	<p>Radio Frequency Register</p> <p>A public register, the Register of Radio Frequencies, records transactions such as creations, transfers, cancellations, mortgages, and caveats, in regard to Management Rights and Spectrum Licenses.</p> <p>Radio Licenses are also recorded in the Register. The Register also performs a vital role in the co-ordination and engineering of new licenses to minimize the potential for radio interference to existing services.</p> <p>For more information please visit: http://spectrumonline.med.govt.nz/</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.rsm.govt.nz/publications/index.html
	Reports <ul style="list-style-type: none">• http://www.rsm.govt.nz/about/annualreport/2005/index.html)

<p>General information</p>	<p>Spectrum Authority Papua New Guinea Telecommunications Authority (PNGTEL)</p> <hr/> <p>Contact Details</p> <p>Location: Papua New Guinea Telecommunications Authority Cnr. Frangipani St. and Croton St., Hohola, PORT MORESBY</p> <p>Postal Address: The Director General PANGTEL PO Box 8444 BOROKO 111 Papua New Guinea</p> <p>International Telephone: 675 303 3200</p> <p>Fax: 675 325 6868</p> <p>E-mail: cpunaha@pangtel.gov.pg</p> <p>Website: http://www.pangtel.gov.pg/</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>PNGTEL is responsible for the management and licensing radio spectrum. It regulates radiocommunication and telecommunication. Its main objective is to promote fairness and efficiency in licensing and pricing and technical regulations and to protect consumers.</p> <p>For more detail please visit: http://www.pangtel.gov.pg/</p> <hr/> <p>Legislation</p> <p>PNGTEL uses following Act for the management of radio- and telecommunication:</p> <ul style="list-style-type: none"> • Telecommunication Act 1996 • Radio spectrum Act 1996; • Radio spectrum regulation 1997; • Telecommunication Industry Act 2002 <p>http://www.pangtel.gov.pg/Legislation/legislation.htm</p> <hr/> <p>Radio Frequency Register</p> <p>For information on frequency registration please visit: http://www.pangtel.gov.pg/license_forms/forms.htm</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • http://www.pangtel.gov.pg/telecomms/policies/tele_policies.html • http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/PAPUANUEWGUINEA1.doc

	Reports <ul style="list-style-type: none"><li data-bbox="537 134 630 163">• N/A
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1.1.5.9 Samoa

<p>General information</p>	<p>Spectrum Authority Ministry of Post and Telecommunications Spectrum Management Agency</p> <hr/> <p>Contact Details</p> <p>Location: CA & CJ Chan Mow Plaza, Savalalo SAMOA</p> <p>Postal Address: Ministry of Posts and Telecommunications Private Bag Apia CA & CJ Chan Mow Plaza, Savalalo SAMOA</p> <p>International Telephone: 0685 26117</p> <p>Fax: 0685 24671</p> <p>E-mail: a.ahsam@samoa.ws ; mpt@samoa.ws</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The spectrum management agency is responsible for managing the spectrum, whereas ministry of post and telecommunication issue radio license. The functions of spectrum management department are:</p> <ul style="list-style-type: none"> • To prepare spectrum management plan and frequency band plan • To settle interference difference. • To monitor the use of spectrum • To provide the guidelines to public • To advice ministry matters relating to the spectrum • To ensure that the use of spectrum is consistent. <p>For more information please visit: http://www.parliament.gov.ws/documents/acts/POSTAL_AND_TELECOMMUNICATIONS_ACT_1999_Eng.pdf</p> <p>Spectrum redevelopment was done in Soma.</p> <hr/> <p>Legislation</p> <p>The ministry uses the new Radio Regulation 2000, and Posts and Telecommunications Act 1999 for managing spectrum. http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SAMOA.doc</p> <hr/> <p>Radio Frequency Register</p> <p>There are two types of telecommunication licenses. They are Individual license and class license. http://www.parliament.gov.ws/documents/acts/TELECOMMUNICATIONS_ACT_2005_-_Eng.pdf</p>

Relevant Documentation	Online Documentation <ul style="list-style-type: none">• http://www.jarl.or.jp/iaru-r3/13r3c/docs/006.doc• http://www.itu.int/ITU-D/study_groups/SGP_2002-2006/JGRES09/SAMOA.doc
	Reports <ul style="list-style-type: none">• N/A

General information	Spectrum Authority Ministry of Infrastructure, Development Spectrum Management Division
	Contact Details Location: Honiara; Solomon Islands Postal Address: Ministry of Infrastructure, Development Spectrum Management Division P.O.Box G 8 Honiara; Solomon Islands International Telephone : 677 25888 Fax: 677 28054 E-mail: spectrum@solomon.com.sb Website: http://www.commerce.gov.sb
Spectrum Policy and Planning	Introduction The Telecommunications Act 1972 governs the provision of telecommunications in the Solomon Islands and declares the Comptroller of Posts and Telecommunications the telecommunication authority responsible for licensing of telecommunications providers. It also gives the Government the exclusive privilege of establishing, maintaining and working telecommunications in the Solomon Islands. The telecommunications authority is required by Act to publish a telecommunications guide to include relevant regulations, adoption of international regulations and other conditions relating to licenses issued by the authority.
	Legislation N/A.
	Radio Frequency Register For information on frequency registration please visit: http://www.qsl.net/oh2mcn/h4a.pdf
Relevant Documentation	Online Documentation <ul style="list-style-type: none"> N/A.
	Reports <ul style="list-style-type: none"> www.ejisd.org/ojs2/index.php/ejisd/article/download/74/74

<p>General information</p>	<p>Spectrum Authority Tonga Communications.</p>
	<p>Contact Details</p> <p>Location: Fasi-moe-afi, Tongatapu</p> <p>Postal Address: Tonga Telecommunications Commission Road Fasi-moe-afi, Tongatapu</p> <p>International Telephone: 676 20 011</p> <p>Fax: 676 26 701</p> <p>E-mail: N/A</p> <p>Website: http://www.tcc.to</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>The Tonga communication is allocated by the government to manage and control the radio spectrum properly.</p> <p>The department is directed by the ministry to determine:</p> <ul style="list-style-type: none"> • technical standards that correlate with accepted international conventions; • a spectrum management plan; and • a national numbering and electronic addressing plan designed to deal with the opportunities of the emerging global information economy.
	<p>Legislation</p> <p>The <i>Communications Act 2000</i>, has given rights to Minister and Department (under powers of approval) to make decisions and to take action on certain matters when required on:</p> <ul style="list-style-type: none"> • licensing and access arrangements; • consumer and pricing protection; • technical and spectrum issues; • social issues • economic matters
	<p>Radio Frequency Register</p> <p>The minister is developing a regulation concerning the assignment of spectrum by the means of action, tender or fixed price.</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A

	Reports <ul style="list-style-type: none"><li data-bbox="495 163 586 195">• N/A
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<p>General information</p>	<p>Spectrum Authority Tuvalu Telecommunications Corporation</p>
	<p>Contact Details</p> <p>Location: Funafuti, Tavalu</p> <p>Postal Address: Mr. Timam Vaililo L. Tuvalu Telecommunications corporation Private mail bag 14 Funafuti, Tavalu</p> <p>International Telephone: 688 200 01</p> <p>Fax: 688 208 00</p> <p>E-mail: media@tuvalu.tv</p> <p>Website: N/A</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>Tuvalu Telecommunications Corporation is responsible for issuing and authorizing radiocommunication devices.</p>
	<p>Legislation</p> <p>It uses Tuvalu Telecommunications Ordinance 1979 to issue license, and to install radiocommunication apparatus.</p> <p>For more information please visit http://www.bizconnections.com/pacific_telecom_regulators.htm</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A
	<p>Reports</p> <ul style="list-style-type: none"> • N/A

<p>General information</p>	<p>Spectrum Authority</p> <p>Telecom Vanuatu Ltd.</p> <hr/> <p>Contact Details</p> <p>Location:</p> <p>Telecom Vanuatu Ltd. Port Vila</p> <p>Postal Address:</p> <p>Telecom Vanuatu Ltd PO Box 146 PORT VILA Vanuatu</p> <p>International Telephone: 678 22185</p> <p>Fax: 678 22628</p> <p>E-mail: fault96@tv1.net.vu</p> <p>Website: http://www.tv1.vu</p>
<p>Spectrum Policy and Planning</p>	<p>Introduction</p> <p>According to the Telecommunications Act 1989 of Vanuatu, the Telecommunications Authority has the responsibility to ensure the provision and development of telecom services. In particular, the aim of the authority is to make sure that operators are technically, financially and managerially capable of carrying out services specified in their licenses.</p> <p>Licenses to operate telecommunications systems in Vanuatu are issued by the Minister on the authority being satisfied that an applicant is capable of providing the services required.</p> <p>Licenses issued must report the period of the license, fees payable by licensees and may include conditions relating to the operation of the license. This is required to be published in a manner determined by the authority. Operators are required to submit to the authority a copy of its audited accounts.</p> <p>The authority reports annually to the Minister who submits the report before Parliament. The authority is also responsible for the control of radiocommunications services.</p>

	<p>Legislation</p> <p>For information on Telecommunication act 2003 please visit: http://www.paclii.org/cgi-bin/disp.pl/vu/legis/num_act_fr/t2003291/t2003291.html?query=telecommunications</p> <p>For information on Republic of Vanuatu's amended telecommunication act 1993 please visit: http://www.paclii.org/cgi-bin/disp.pl/vu/legis/num_act/ta1993294/ta1993294.html?query=telecommunications</p> <p>For information on Republic of Vanuatu's telecommunication act 1989 please visit: http://www.paclii.org/vu/legis/num_act/ta1989214/</p>
	<p>Radio Frequency Register</p> <p>N/A</p>
<p>Relevant Documentation</p>	<p>Online Documentation</p> <ul style="list-style-type: none"> • N/A <p>Reports</p> <ul style="list-style-type: none"> • N/A

2 CONCLUSION

This ITU survey is aimed at providing an overall description of the main planning and regulatory aspects of the use of the radio spectrum in the world.

The impressive trend towards wireless communications in recent years has sparked a debate over the optimal spectrum governance regimes. As a result, there does not appear to be one single solution that would bring about complete technical and economic efficiency. Because of the multitude of forces influencing frequency management, several countries have been investigating and implementing alternative solutions for managing the radio resources.

The challenge for policymakers is in fact to create a regulatory environment especially in the management of the radio spectrum that will sustain these amazing trends and create an environment that allows innovation especially new wireless technologies to flourish.