

#### Attachment 1

#### **QUESTIONNAIRE - PART I**

(To be completed by both Administrations and Sector members, if relevant)

Specific Questions on National Radio Frequency Spectrum Management

- 1. Information on national radio frequency spectrum allocations: 29.7 960 MHz
- a) If you have published a National Table of Radio Frequency Spectrum Allocations, please submit a copy (either in electronic, or printed form, or both ) of that table along with your responses to the attached questionnaire.
- b) If you do not have a national frequency allocations table available, the attached modified extract from Article S.5 of the Radio Regulations may be used to indicate general information on how this range of frequencies is used by your administration within your national borders

In using the attached modified extract of the International Frequency Allocations table presented in the excerpt from the Radio Regulations Article S.5, you, as a respondee from an administration or industry, are invited to enter the following information. In the column designated "National Allocations", respondees from administrations are requested to enter the name of the radiocommunications service (using the ITU terminology given in Article S1 of the Radio Regulations, such as FIXED, MOBILE, space research, radio astronomy...) that is allocated use of a given frequency band. In the column designated "Remarks", 1) respondees from administrations are invited to enter further technical specifications, if any, that have been established nationally for a given band such as channel spacing, limitations on radiated signal power...; and 2) respondees from industry are invited to enter the operating parameters such as channel spacing, radiated signal power capabilities,..., of products available for operation in a given frequency band.

2 Identification of a focal point regarding correspondence on this questionnaire (Parts I and II)

Please identify a focal point in your administration/organization who could provide a response to further correspondence regarding this questionnaire (see hereafter).

# FOCAL POINT REGARDING CORRESPONDENCE ON THIS QUESTIONNAIRE (PARTS I AND II)

1.	Mr./Ms	KEBEDE	<u>GETACHEW</u>
		Family Name	First Name
2.	Country <u>ETHIC</u>	PIAN (FEDERAL DEMOC	RATIC REPUBLIC OF ETHIOPIA)
3.	Name of the Adm	ninistration/Organization ETA	HIOPIAN TELECOMMUNICATION AGENCY
4.	Title <u>HEAD OF</u>	FREQUENCY MANAGEMI	ENT DIVISION .
<i>5</i> .	Address ETHIO P.O. BO ADDIS		TION AGENCY
	710015	/1 <b>D</b> /1 <b>D</b> /1	_
6.	Tel.: <u>251-1-51576</u>	66 Fax: <u>251-1-551253</u> E-N	fail: tele.agency@telecom.net.et

#### Section IV - Table of Frequency Allocations (extract from the RR, 1998)

#### 27.5-47 MHz

	Read only			pleted
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
27.5-28	METEOROLOGICAL AIDS FIXED		MOBILE	
	MOBILE			
28-29.7	AMATEUR AMATEUR-SATELLITE		AMATEUR	
29.7-30.005	FIXED MOBILE		MOBILE	
30.005-30.01	SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH		MOBILE	
30.01-37.5	FIXED MOBILE		MOBILE	
37.5-38.25	MOBILE Radio astronomy S5.149  8.25-39.986  FIXED MOBILE		MOBILE	
38.25-39.986			MOBILE	
39.986-40.02			MOBILE	
40.02-40.98	FIXED MOBILE S5.150		MOBILE	

	Read only			mpleted
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
40.98-41.015	FIXED MOBILE Space research S5.160 S5.161		MOBILE	
41.015-44	FIXED MOBILE S5.160 S5.161		MOBILE	
44-47	FIXED MOBILE S5.162 S5.162A		MOBILE	

#### 47-75.2 MHz

47-68	47-50	47-50	BROADCASTING	
BROADCASTING	FIXED	FIXED		
	MOBILE	MOBILE		
		BROADCASTING		
	50-54			
	AMATEUR			
	S5.166 S5.167 S5.168 S5.170			
	54-68	54-68		
	BROADCASTING	FIXED		
	Fixed	MOBILE		
	Mobile BROADCASTING			
S5.162A S5.163 S5.164 S5.165				
S5.169 S5.171	S5.172			

	Read only			leted
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
68-74.8 FIXED MOBILE except aeronautical mobile	68-72 BROADCASTING Fixed Mobile S5.173 72-73 FIXED MOBILE 73-74.6 RADIO ASTRONOMY S5.178 74.6-74.8 FIXED MOBILE	68-74.8 FIXED MOBILE	MOBILE except aeronautical mobile	
S5.149 S5.174 S5.175 S5.177 S5.179		S5.149 S5.176 S5.179		
74.8-75.2	AERONAUTICAL RADIONAVIGA S5.180 S5.181	ATION	AERONAUTICAL RADIONAVIGATION	

#### 75.2-137.175 MHz

Read only			To be com	To be completed	
	Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks	
75.2-87.5	75.2-75.4		MOBILE except aeronautical mobile		
FIXED	FIXED		moone		
MOBILE except aeronautical mobile	MOBILE				
moone	S5.179	1			
	75.4-76	75.4-87			
	FIXED	FIXED			
	MOBILE	MOBILE			
	76-88				
	BROADCASTING				
	Fixed	S5.149 S5.182 S5.183 S5.188			
	Mobile	87-100			
S5.175 S5.179 S5.184 S5.187		FIXED			
87.5-100		MOBILE	BROADCASTING		
BROADCASTING	S5.185	BROADCASTING			
	88-100				
S5.190	BROADCASTING				
100-108	BROADCASTING		BROADCASTING		
	S5.192 S5.194				
108-117.975	AERONAUTICAL RADIONAVIGA	ΓΙΟΝ	AERONAUTICAL		
	S5.197		RADIONAVIGATION		
117.975-137	AERONAUTICAL MOBILE (R)		AERONAUTICAL MOBILE (R)		
	S5.111 S5.198 S5.199 S5.200 S5.20 S5.203B	01 S5.202 S5.203 S5.203A			

Read only Allocation to services			To be comp	oleted
Region 1 Region 2 Region 3		National Allocation	Remarks	
137-137.025	SPACE OPERATION (space-to-Earth)  METEOROLOGICAL-SATELLITE (space-to-Earth)  MOBILE-SATELLITE (space-to-Earth) S5.208A S5.209  SPACE RESEARCH (space-to-Earth)  Fixed  Mobile except aeronautical mobile (R)  S5.204 S5.205 S5.206 S5.207 S5.208		MOBILE-SATELLITE (space-to-Earth) Fixed Mobile except aeronautical mobile (R)	
137.025-137.175	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) S5.208A S5.209 Mobile except aeronautical mobile (R) S5.204 S5.205 S5.206 S5.207 S5.208		MOBILE-SATELLITE (space-to-Earth) Fixed Mobile except aeronautical mobile (R)	

#### 137.175-148 MHz

137.175-137.825	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.208A S5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R) S5.204 S5.205 S5.206 S5.207 S5.208	MOBILE-SATELLITE (space-to-Earth) Fixed Mobile except aeronautical mobile (R)	
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	Read only			leted
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
	SPACE OPERATION (space-to-Earth METEOROLOGICAL-SATELLITE (SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) S5.2 Mobile except aeronautical mobile (RS5.204 S5.205 S5.206 S5.207 S5.2	(space-to-Earth) ) 208A S5.209	MOBILE-SATELLITE (space-to-Earth) Fixed Mobile except aeronautical mobile (R)	
138-143.6	138-143.6	138-143.6	AERONAUTICAL MOBILE (OR)	
AERONAUTICAL MOBILE (OR)	FIXED MOBILE RADIOLOCATION	FIXED MOBILE Space research (space-to-Earth)		
S5.210 S5.211 S5.212 S5.214	Space research (space-to-Earth)	S5.207 S5.213		
143.6-143.65 AERONAUTICAL MOBILE (OR) SPACE RESEARCH (space-to-Earth) S5.211 S5.212 S5.214	143.6-143.65 FIXED MOBILE RADIOLOCATION SPACE RESEARCH (space-to-Earth)	143.6-143.65 FIXED MOBILE SPACE RESEARCH (space-to-Earth) S5.207 S5.213	AERONAUTICAL MOBILE (OR)	
143.65-144 AERONAUTICAL MOBILE (OR) S5.210 S5.211 S5.212 S5.214	143.65-144 FIXED MOBILE RADIOLOCATION Space research (space-to-Earth)	143.65-144 FIXED MOBILE Space research (space-to-Earth) S5.207 S5.213	AERONAUTICAL MOBILE (OR)	
144-146	AMATEUR S5.120 AMATEUR-SATELLITE S5.216	1	AMATEUR	

Read only			To be comp	leted
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
146-148 FIXED	<b>146-148</b> AMATEUR	146-148 AMATEUR	MOBILE except aeronautical mobile (R)	
MOBILE except aeronautical mobile (R)	S5.217	FIXED MOBILE S5.217		
148-149.9		55.217	MOBILE except aeronautical	
FIXED  MOBILE except aeronautical mobile (R)  MOBILE-SATELLITE (Earth-to-space) S5.209  S5.218 S5.219 S5.221	FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) S5.209  S5.218 S5.219 S5.221		mobile (R)	
149.9-150.05	149.9-150.05 MOBILE-SATELLITE (Earth-to-space) S5.209 S5.224A RADIONAVIGATION-SATELLITE S5.224B S5.220 S5.222 S5.223			
150.05-153 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY S5.149	150.05-156.7625 FIXED MOBILE		MOBILE except aeronautical mobile	
FIXED  MOBILE except aeronautical mobile (R)  Meteorological Aids	IXED  MOBILE except aeronautical mobile (R)		MOBILE except aeronautical mobile (R) Meteorological Aids	

Read only			To be completed	
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
154-156.7625			MOBILE except aeronautical	
FIXED			mobile (R)	
MOBILE except aeronautical mobile (R)				
S5.226 S5.227	S5.225 S5.226 S5.227			
156.7625-156.8375	MARITIME MOBILE (distress and ca	alling)	MOBILE	
	S5.111 S5.226			
156.8375-174	156.8375-174		MOBILE except aeronautical	
FIXED	FIXED		mobile	
MOBILE except aeronautical mobile	MOBILE			
S5.226 S5.229	\$5.226 \$5.230 \$5.231 \$5.23	32		
174-223	174-216	174-223	BROADCASTING	
BROADCASTING	BROADCASTING	FIXED		
	Fixed	MOBILE		
	Mobile	BROADCASTING		
	S5.234			
	216-220			
FIXED				
	MARITIME MOBILE Radiolocation S5.241			
	S5.242			
S5.235 S5.237 S5.243		S5.233 S5.238 S5.240 S5.245		

#### 220-335.4 MHz

	Read only		To be com	pleted
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
	220-225			
223-230 BROADCASTING Fixed Mobile	AMATEUR FIXED MOBILE Radiolocation S5.241	223-230 FIXED MOBILE BROADCASTING	BROADCASTING	
S5.243 S5.246 S5.247	225-235 FIXED MOBILE	AERONAUTICAL RADIONAVIGATION Radiolocation S5.250		
230-235		230-235	MOBILE	
FIXED MOBILE		FIXED MOBILE AERONAUTICAL RADIONAVIGATION	MODIEL	
\$5.247 \$5.251 \$5.252	FIXED	S5.250	MOBILE	
235-267	MOBILE S5.111 S5.199 S5.252 S5.254	S5.256	MOBILE	
FIXED  MOBILE  Space operation (space-to-Earth)  S5.254 S5.257			MOBILE	
272-273	SPACE OPERATION (space-to-l FIXED MOBILE S5.254	Earth)	MOBILE	

	Read only		To be com	pleted
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
273-312	FIXED		MOBILE	
	MOBILE			
	S5.254			
312-315	FIXED		MOBILE	
	MOBILE			
	Mobile-satellite (Earth-to-space) S5.254 S5.255			
315-322	FIXED		MOBILE	
	MOBILE			
	S5.254			
322-328.6	FIXED		MOBILE	
	MOBILE			
	RADIO ASTRONOMY			
	S5.149			
328.6-335.4	AERONAUTICAL RADIONAVIGATION	V	AERONAUTICAL	
	S5.258 S5.259		RADIONAVIGATION	

#### 335.4-410 MHz

335.4-387	FIXED	MOBILE	
	MOBILE		
	S5.254		
387-390	FIXED	MOBILE	
	MOBILE		
	Mobile-satellite (space-to-Earth) S5.208A S5.254 S5.255		
390-399.9	FIXED	MOBILE	
	MOBILE		
	S5.254		

	Read only		To be comple	eted
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
399.9-400.05	MOBILE-SATELLITE (Earth-to-space RADIONAVIGATION-SATELLITE S		MOBILE-SATELLITE (Earth-to-space) RADIONAVIGATION- SATELLITE	
400.05-400.15	STANDARD FREQUENCY AND TIM SATELLITE (400.1 MHz) S5.261 S5.262	IE SIGNAL-	STANDARD FREQUENCY AND TIME SIGNAL- SATELLITE (400.1 MHz)	
400.15-401	METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.208A S5.209 SPACE RESEARCH (space-to-Earth) S5.263 Space operation (space-to-Earth) S5.262 S5.264		METEOROLOGICAL AIDS MOBILE-SATELLITE (space-to-Earth)	
401-402	METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth) EARTH EXPLORATION-SATELLITE METEOROLOGICAL-SATELLITE (E Fixed Mobile except aeronautical mobile	` '	METEOROLOGICAL AIDS METEOROLOGICAL- SATELLITE (Earth-to- space) Fixed Mobile except aeronautical mobile	
402-403	METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile		METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile	
403-406	METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile		METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile	
406-406.1	MOBILE-SATELLITE (Earth-to-space S5.266 S5.267	)	MOBILE-SATELLITE (Earth-to-space)	

Read only		To be completed		
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
406.1-410	FIXED		MOBILE except aeronautical	
	MOBILE except aeronautical mobile		mobile	
	RADIO ASTRONOMY			
	S5.149			

#### 410-470 MHz

410-420	FIXED  MOBILE except aeronautical mobile  SPACE RESEARCH (space-to-space) S5.268	MOBILE except aeronautical mobile	
420-430	FIXED MOBILE except aeronautical mobile Radiolocation S5.269 S5.270 S5.271	MOBILE except aeronautical mobile Radiolocation	
<b>430-440</b> AMATEUR  RADIOLOCATION  S5.138 S5.271 S5.272 S5.273  S5.274 S5.275 S5.276 S5.277  S5.280 S5.281 S5.282 S5.283	430-440 RADIOLOCATION Amateur  S5.271 S5.276 S5.277 S5.278 S5.279 S5.281 S5.282	AMATEUR RADIOLOCATION	
440-450	FIXED MOBILE except aeronautical mobile Radiolocation S5.269 S5.270 S5.271 S5.284 S5.285 S5.286	MOBILE except aeronautical mobile Radiolocation	
450-455	FIXED MOBILE S5.209 S5.271 S5.286 S5.286A S5.286B S5.286C S5.286D S5.286E	MOBILE	

Read only			To be com	pleted
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
455-456	455-456	455-456	MOBILE	
FIXED	FIXED	FIXED		
MOBILE	MOBILE	MOBILE		
	MOBILE-SATELLITE (Earth-to-space) S5.286A S5.286B S5.286C			
S5.209 S5.271 S5.286A S5.286B		S5.209 S5.271 S5.286A S5.286B		
S5.286C S5.286E	S5.209 S5.271	S5.286C S5.286E		
456-459	FIXED	·	MOBILE	
	MOBILE			
	S5.271 S5.287 S5.288			
459-460	459-460	459-460	MOBILE	
FIXED	FIXED	FIXED		
MOBILE	MOBILE	MOBILE		
	MOBILE-SATELLITE (Earth-to-space) S5.286A S5.286B S5.286C			
S5.209 S5.271 S5.286A S5.286B		S5.209 S5.271 S5.286A S5.286B		
S5.286C S5.286E	S5.209 S5.271	S5.286C S5.286E		
	FIXED MOBILE Meteorological-Satellite (space-to-	Earth)	MOBILE	
	S5.287 S5.288 S5.289 S5.290			

#### 470-890 MHz

Read only		To be co	ompleted	
	Allocation to services			
Region 1	Region 2	Region 3	National Allocation	Remarks
470-790	470-512	470-585	BROADCASTING	
BROADCASTING	BROADCASTING	FIXED		
	Fixed	MOBILE		
	Mobile	BROADCASTING		
	S5.292 S5.293			
	512-608	S5.291 S5.298		
	BROADCASTING	585-610		
	S5.297	FIXED		
	608-614  RADIO ASTRONOMY  Mobile-satellite except aeronautical mobile-satellite (Earth-to-space)	MOBILE BROADCASTING RADIONAVIGATION S5.149 S5.305 S5.306 S5.307 610-890		
	614-806	FIXED		
	BROADCASTING	MOBILE		
S5.149 S5.291A S5.294 S5.296 S5.300 S5.302 S5.304 S5.306	Fixed Mobile	BROADCASTING		
S5.311 S5.312	S5.293 S5.309 S5.311		BROADCASTING	
<b>790-862</b> FIXED	806-890			
BROADCASTING	FIXED			
S5.312 S5.314 S5.315 S5.316	MOBILE			
S5.319 S5.321	BROADCASTING			
862-890			MOBILE except aeronautical	
FIXED			mobile	
MOBILE except aeronautical mobile				
BROADCASTING S5.322				

Read only			To be completed	
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
S5.319 S5.323	S5.317 S5.318	\$5.149 \$5.305 \$5.306 \$5.307 \$5.311 \$5.320		

#### 890-1 350 MHz

890-942	890-902	890-942	MOBILE except aeronautical
FIXED	FIXED	FIXED	mobile
MOBILE except aeronautical	MOBILE except aeronautical mobile	MOBILE	
mobile	Radiolocation	BROADCASTING	
BROADCASTING S5.322	S5.318 S5.325	Radiolocation	
Radiolocation			
	902-928		
	FIXED		
	Amateur		
	Mobile except aeronautical mobile		
	Radiolocation		
	S5.150 S5.325 S5.326		
	928-942		
	FIXED		
	MOBILE except aeronautical mobile		
	Radiolocation		
S5.323	S5.325	S5.327	
942-960	942-960	942-960	MOBILE except aeronautical
FIXED	FIXED	FIXED	mobile
MOBILE except aeronautical	MOBILE	MOBILE	
mobile		BROADCASTING	
BROADCASTING S5.322			
S5.323		S5.320	

## **QUESTIONNAIRE - PART II**(To be completed by Administrations only)

#### **General Questions on National Spectrum Management**

Describe succinctly the problems that your administration is currently experiencing in national spectrum management (for example subject areas in national spectrum management).

ETHIOPIA (FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

Country

Foca	l point	MR. GETACHEW KEBEDE					
funct Spec	tional req trum Mai	g general questions on national spectrum management are based in quirements of spectrum management described in the handbook of nagement." If you need additional space to answer the questions set of paper.	n "Natio	onal			
1.	Do you	have a national law governing spectrum management?	YES_	NO 🗸			
	- Last da	ate this law was changed or modified?					
	- Are an	y actions planned to change this law?	YES_	NO_			
		Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?					
		d assistance from ITU in solving our problems with respect to sement issues like establishing national laws that govern the spectatory		<u>!</u>			
2.		ou published regulations and procedures for national spectrum marvices, license requirements etc.)?		ent (e.g. _NO <u></u>			
		Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?					
		d assistance from ITU with respect to publishing our national in the state of the sectrum management.	<u>egulatio</u>	on and			
3.	Do you	have a national radio frequency spectrum allocation table?	YES_	_NO <u> ✓</u>			
	Have an solving	ny problems been identified? and if so, do you need any assistant them?	e from t	the ITU in			
		need technical assistance from ITU in producing our national on table	frequen	<u>ecy</u>			

4.	Do you have technical specifications for national spectrum use?	YES <u>✓</u> NO					
	Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?						
	We have been using in the past the ITU-R Radio Regulations and Re-	ecommendations for technical					
	specification of national spectrum use. However, we need a great deassistance from ITU in this respect	eal of technical					
5.	Do you have a need for any spectrum redeployment*?	YES/_NO					
asse limi	ne term "redeployment" is used here to refer to a process of national scoressment is conducted 1) to determine if portions of spectrum can be idented use; and 2) to determine if such spectrum segments can be reallocated vering radiocommunication services that have expanding spectrum requires	tified that are in ed for use in					
	- If so, do you have a strategy for achieving this redeployment in respe bands and for given radiocommunication services?	ective frequency YES_✓ NO					
	- Please define the established strategy and describe the nature of the consultation, if any, with users regarding the potential costs resulting from the planned redeployment.						
	Due to change in the telecommunication technology trends, it is inerespect of frequency bands for some of radiocommunication services.						
6.	What is the total cost of national spectrum management functions perf Government (expressed in Swiss francs)?	Formed by your					
	- What is the source of the funding required to accomplish these spectrum management functions?						
	Government appropriation						
7.	Do you have a method for establishing spectrum users' fees?	YES 🗸 NO_					
	- If so, please give a brief description of the method used in establishing those fees.						
	The method that we are currently using for spectrum fees is fixed or number of radio stations	-					
8.	Do you maintain centralized databases for spectrum management?	YES_ / NO_					
	- What is the approximate size of your database (expressed in number of records)?	<u>20,0000</u>					

system (DBMS)? NO	YES 🗸 _
- What DBMS system do you use?	<u>Windows</u>
- Are these frequency assignment records available to public?	YESNO_✓
Have any problems been identified? and if so, do you need any assists solving them?	ance from the ITU in
Yes, we need a comprehensive assistance	<u></u>
Do you notify frequency assignments to the ITU?	YES/_NO
Have any problems been identified? and if so, do you need any assist solving them?	tance from the ITU in
Do you have a policy and planning function for national spectrum manational strategy for future use of the spectrum)?  Have any problems been identified? and if so, do you need any assist solving them?	YESNO ✓
We need assistance from ITU- in establishing policy and planning	
management	<u>spectrum</u>
Do you perform technical analyses of frequency assignment requests	YES <u>✓</u> NO
Have any problems been identified? and if so, do you need any assist solving them?	tance from the ITU in
We need assistance from ITU in performing technical analysis of fa	requency assignment
Do you perform radio monitoring?	YESNO_✓
- number of fixed monitoring stations	
- facilities available at fixed monitoring stations monitoring up to MHz direction finding up to MHz	

- number of mobile monitoring stations	<del>-</del>
<ul> <li>facilities available at mobile monitoring stations</li> <li>monitoring up to MHz</li> <li>direction finding up to MHz</li> </ul>	
Have any problems been identified? and if so, do you need any assistant solving them?	
-	
Do you perform technical analyses of radio frequency interference complaints?	YES_NO_
- Do you have an established consultation process, involving Government organization, for resolving these complaints?	ent and non- YESNO_✓
Have any problems been identified? and if so, do you need any assistant solving them?	nce from the ITU in
We need assistance from ITU in performing technical analysis of rad interference	dio frequency
What computers and operating systems are in use for national spectrum	n management?
Type of computers	<u>Dell OptiPlex G</u>
Operating system(s)  NT-	Windows Version
Have any problems been identified? and if so, do you need any assistant solving them?	nce from the ITU in
<u> </u>	
Number of technical/professional staff in national spectrum manageme	ent? <u>Three</u>
Number of support staff in national spectrum management?	<u>One</u>
Describe your country's spectrum management structure (Please enclos organization chart)	e a copy of

Do you use the ITU-R Handbooks and Reports on:
a) <u>✓</u> National Spectrum Management, version 1995 ?
b) <u>✓</u> Spectrum Monitoring <sup>1</sup> , version 1995?
c) <u>✓</u> Computer-aided Techniques for Spectrum Management, version 1999?
d) <u>✓</u> HF Broadcasting System Design, version 1999?
e)  ✓ Report SM.2012, Economic Aspects of Spectrum Management, version 1997 <sup>2</sup> ?
f) Windows Basic Automated Spectrum Management System (WinBASMS) Software Version 1997, Manual Version 1997
What additional information/handbooks do you need from the ITU?

18.

To be returned no later than 31 January 2000 to: ITU-D Study Groups Secretariat Telecommunication Development Bureau Fax: +41 22 730 54 84 E-Mail: devsg1@itu.int

### THANK YOU FOR YOUR COOPERATION

<sup>&</sup>lt;sup>1</sup> The Spectrum Monitoring Handbook is currently being updated, therefore, you are urged to contact Mr Jan Verduijn (NL), the designated Rapporteur from ITU-R Study Group 1, Working Party 1C if you have any comments that you wish included in a future version of this Handbook.

<sup>&</sup>lt;sup>2</sup> This Report SM.2012 was updated during the ITU-R Study Group 1 meeting in August 1999. This new version is expected to be available in the three working languages by January 2000.