

Samoa

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

1. Mr. **David** **Fong**
 Family Name First Name
2. Country : Samoa
3. Name of the Administration/Organization : **Ministry of Posts and Telecommunications**
4. Title : **Assistant Director Monitoring / Spectrum**
5. Address: **Private Bag**
 Chan Mow Plaza
 Apia, Samoa
6. Tel.: **0685 26117** Fax: **0685 24671** E-Mail: **mpt@samoa.ws**

*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: devsg2@itu.int*

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

27.5-47 MHz

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

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

47-75.2 MHz

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

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

75.2-137.175 MHz

Read only			To be completed	
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
75.2-87.5 FIXED MOBILE except aeronautical mobile S5.175 S5.179 S5.184 S5.187	75.2-75.4 FIXED MOBILE S5.179		75.2-75.4	NOC
	75.4-76 FIXED MOBILE	75.4-87 FIXED MOBILE	75.4-87	NOC
	76-88 BROADCASTING Fixed Mobile	S5.149 S5.182 S5.183 S5.188		
	87.5-100 BROADCASTING S5.190	87-100 FIXED MOBILE BROADCASTING	87-100 BROADCASTING	NOC
88-100 BROADCASTING				
100-108	BROADCASTING S5.192 S5.194		100-108	NOC
108-117.975	AERONAUTICAL RADIONAVIGATION S5.197		108-117.975	NOC
117.975-137	AERONAUTICAL MOBILE (R) S5.111 S5.198 S5.199 S5.200 S5.201 S5.202 S5.203 S5.203A S5.203B		117.975-136	NOC

Read only			To be completed	
Allocation to services				
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		136-137.025	NOC
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		137.025-137.175	NOC
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		137.175-137.825	NOC

Read only			To be completed	
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
137.825-138	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		137.825-138	NOC
138-143.6 AERONAUTICAL MOBILE (OR) S5.210 S5.211 S5.212 S5.214	138-143.6 FIXED MOBILE RADIOLOCATION Space research (space-to-Earth)	138-143.6 FIXED MOBILE Space research (space-to-Earth) S5.207 S5.213	138-143.6	NOC
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	143.6-143.65	NOC
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	143.65-144	NOC
144-146	AMATEUR S5.120 AMATEUR-SATELLITE S5.216		144-146	NOC

Read only			To be completed	
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
146-148 FIXED MOBILE except aeronautical mobile (R)	146-148 AMATEUR S5.217	146-148 AMATEUR FIXED MOBILE S5.217	146-148	NOC
148-149.9 FIXED MOBILE except aeronautical mobile (R) MOBILE-SATELLITE (Earth-to-space) S5.209 S5.218 S5.219 S5.221	148-149.9 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) S5.209 S5.218 S5.219 S5.221		148-149.9	NOC
149.9-150.05	MOBILE-SATELLITE (Earth-to-space) S5.209 S5.224A RADIONAVIGATION-SATELLITE S5.224B S5.220 S5.222 S5.223		149.9-150.05	NOC
150.05-153 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY S5.149	150.05-156.7625 FIXED MOBILE		150.05-156.025 156.025-156.4 MARITIME MOBILE	NOC
153-154 FIXED MOBILE except aeronautical mobile (R) Meteorological Aids			156.025-156.8375 MARITIME MOBILE (distress and calling	

Read only			To be completed	
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
154-156.7625 FIXED MOBILE except aeronautical mobile (R) S5.226 S5.227	S5.225 S5.226 S5.227			
156.7625-156.8375	MARITIME MOBILE (distress and calling) S5.111 S5.226		156.025-156.8375	NOC
156.8375-174 FIXED MOBILE except aeronautical mobile S5.226 S5.229	156.8375-174 FIXED MOBILE S5.226 S5.230 S5.231 S5.232		156.8375-174	NOC
174-223 BROADCASTING S5.235 S5.237 S5.243	174-216 BROADCASTING Fixed Mobile S5.234	174-223 FIXED MOBILE BROADCASTING S5.233 S5.238 S5.240 S5.245	174-223	NOC
	216-220 FIXED MARITIME MOBILE Radiolocation S5.241 S5.242			

220-335.4 MHz

Read only			To be completed	
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	223-230 BROADCASTING	NOC
S5.243 S5.246 S5.247	225-235 FIXED MOBILE	AERONAUTICAL RADIONAVIGATION Radiolocation S5.250		
230-235 FIXED MOBILE		230-235 FIXED MOBILE AERONAUTICAL RADIONAVIGATION S5.250	230-235 FIXED MOBILE	NOC
S5.247 S5.251 S5.252				
235-267	FIXED MOBILE S5.111 S5.199 S5.252 S5.254 S5.256		235-267	NOC
267-272	FIXED MOBILE Space operation (space-to-Earth) S5.254 S5.257		267-272	NOC
272-273	SPACE OPERATION (space-to-Earth) FIXED MOBILE S5.254		272-273	NOC

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

335.4-410 MHz

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

Read only			To be completed	
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
399.9-400.05	MOBILE-SATELLITE (Earth-to-space) S5.209 S5.224A RADIONAVIGATION-SATELLITE S5.222 S5.224B S5.260 S5.220		339.9-400.5	NOC
400.05-400.15	STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz) S5.261 S5.262		400.5-400.15	NOC
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			
401-402	METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth) EARTH EXPLORATION-SATELLITE (Earth-to-space) 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			
403-406	METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile			
406-406.1	MOBILE-SATELLITE (Earth-to-space) S5.266 S5.267			

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 RADIO ASTRONOMY S5.149		406.1-410	NOC

410-470 MHz

410-420	FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-space) S5.268		410-420	NOC
420-430	FIXED MOBILE except aeronautical mobile Radiolocation S5.269 S5.270 S5.271		420-430 FIXED MOBILE	NOC
430-440 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		430-433.5 RADIOLOCATION Amateur 433.5-440	
440-450	FIXED MOBILE except aeronautical mobile Radiolocation S5.269 S5.270 S5.271 S5.284 S5.285 S5.286		440-450 FIXED MOBILE	NOC
450-455	FIXED MOBILE S5.209 S5.271 S5.286 S5.286A S5.286B S5.286C S5.286D S5.286E		450-455	NOC

Read only			To be completed	
Allocation to services				
Region 1	Region 2	Region 3	National Allocation	Remarks
455-456 FIXED MOBILE S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E	455-456 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) S5.286A S5.286B S5.286C S5.209 S5.271	455-456 FIXED MOBILE S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E	455-456	NOC
456-459	FIXED MOBILE S5.271 S5.287 S5.288		456-460	NOC
459-460 FIXED MOBILE S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E	459-460 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) S5.286A S5.286B S5.286C S5.209 S5.271	459-460 FIXED MOBILE S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E		
460-470	FIXED MOBILE Meteorological-Satellite (space-to-Earth) S5.287 S5.288 S5.289 S5.290		460-470	NOC

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	S5.149 S5.305 S5.306 S5.307 S5.311 S5.320		

890-1 350 MHz

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

Country: **Independent State of Samoa**

Focal point: **SOOIALO DAVID FONG**

The following general questions on national spectrum management are based in part on the functional requirements of spectrum management described in the handbook on "National Spectrum Management." If you need additional space to answer the questions please continue on a separate sheet of paper.

1. Do you have a national law governing spectrum management? **YES**
- Last date this law was changed or modified? **Modified 1988**
- Are any actions planned to change this law? **YES**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

2. Have you published regulations and procedures for national spectrum management (e.g. radio services, license requirements etc.)? **YES**
Post Offices Act 1972, Radio Regulations 1979 & 1988, Posts & Telecom Act 1999.

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

We need an Expert assist us regarding the requirements for Licence approval and technical procedures.

By the National Radio Regulations and the International Radio Regulations.

3. Do you have a national radio frequency spectrum allocation table? **YES**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

The Ministry needs an assistance in reviewing the national radio frequency spectrum allocation table.

4. Do you have technical specifications for national spectrum use? **YES.**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

The Ministry is now in position to review technical specification procedure for licencing applied and assistance very much needed.

5. Do you have a need for any spectrum redeployment* ? **YES**

* The term "redemption" is used here to refer to a process of national scope in which an assessment is conducted 1) to determine if portions of spectrum can be identified that are in limited use; and 2) to determine if such spectrum segments can be reallocated for use in delivering radiocommunication services that have expanding spectrum requirements.

- If so, do you have a strategy for achieving this redeployment in respective frequency bands and for given radiocommunication services? **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.

Not now but may be very soon, need assistant in frequency deployment.

6. What is the total cost of national spectrum management functions performed by your Government (expressed in Swiss francs)? **146,000**

- What is the source of the funding required to accomplish these spectrum management functions?

Government

7. Do you have a method for establishing spectrum users' fees? **No**

- If so, please give a brief description of the method used in establishing those fees.

8. Do you maintain centralized databases for spectrum management? **YES**

- What is the approximate size of your database (expressed in number of records)? **3,469,410 bytes**

- Do you have a computerized data base management system (DBMS)? **YES**

- What DBMS system do you use? **FREQMAN**

- Are these frequency assignment records available to public? **NO**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

9. Do you notify frequency assignments to the ITU? **YES**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

The last time frequency assignments was notified was in 1994. The SMO administration is still using them, there seem no change in the usage of such frequency.

10. Do you have a policy and planning function for national spectrum management (i.e. a national strategy for future use of the spectrum)? **NO**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

There is a need for Government to aware of the importance of this resource so that a policy planning and could be formulated. So far, Government is still deciding on a Regulatory framework and establishment of an independent Spectrum Management Agency.

11. Do you perform technical analyses of frequency assignment requests? **YES**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

Assistance needed in frequency interference.

12. Do you perform radio monitoring? **YES**

- number of fixed monitoring stations **NIL**

- facilities available at fixed monitoring stations **ICOM Receiver 9000**
 -- monitoring up to **1999.999** MHz
 -- direction finding up to ___ MHz

- number of mobile monitoring stations **NIL**
- facilities available at mobile monitoring stations **ICOM Receiver 9000**
 - monitoring up to **1999.999** MHz
 - direction finding up to ____MHz

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

At the moment we only used ICOM Receiver 9000 for Monitoring and assistance as require for Monitoring Equipments such as Direction Finder

13. Do you perform technical analyses of radio frequency interference complaints? **YES**

- Do you have an established consultation process, involving Government and non-government organization, for resolving these complaints? **YES**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

Therefore we need to establish consultation for resolving customer complaints.

14. What computers and operating systems are in use for national spectrum management?

Type of computers **COMPAQ**

Operating system(s) **DOS & WIN95**

Have any problems been identified? and if so, do you need any assistance from the ITU in solving them?

The Spectrum Management needs a new PC to manage the Database System.

15. Number of technical/professional staff in national spectrum management? **1**

16. Number of support staff in national spectrum management? **5**

17. Describe your country's spectrum management structure (Please enclose a copy of organization chart).

18. Do you use the ITU-R Handbooks and Reports on:

- | | | |
|----|--|-----------|
| a) | National Spectrum Management, version 1995 ? | No |
| b) | Spectrum Monitoring ¹ , version 1995? No. | No |
| c) | Computer-aided Techniques for Spectrum Management, version 1999? No | No |
| d) | HF Broadcasting System Design, version 1999? | No |
| e) | Report SM.2012, Economic Aspects of Spectrum Management, version 1997 ² ? | No |
| f) | Windows Basic Automated Spectrum Management System (WinBASMS) Software Version 1997, Manual Version 1997. No. FREQMAN 3.4 | |

What additional information/handbooks do you need from the ITU?

All the ITU-R Handbooks and Reports as mention on Q18 (a) – (f).

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

¹ 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.

² 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.