

United Arab Emirates

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

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*To be returned no later than 31 January 2000 to:
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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		F X	
28-29.7	AMATEUR AMATEUR-SATELLITE		AMATEUR	
29.7-30.005	FIXED MOBILE		FX, ML	
30.005-30.01	SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH		FX, ML	
	FIXED MOBILE		FX, ML	
37.5-38.25	FIXED MOBILE Radio astronomy S5.149		FX, ML	
38.25-39.986	FIXED MOBILE		FX, ML	
39.986-40.02	FIXED MOBILE Space research		FX, ML	
40.02-40.98	FIXED MOBILE S5.150		FX, ML	

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		FX, ML	
41.015-44	FIXED MOBILE S5.160 S5.161		FX, ML	
44-47	FIXED MOBILE S5.162 S5.162A		FX, ML	

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	BC	
	50-54 AMATEUR S5.166 S5.167 S5.168 S5.170		BC	
	54-68 BROADCASTING Fixed Mobile S5.172	54-68 FIXED MOBILE BROADCASTING	BC	

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	68-72 BROADCASTING Fixed Mobile S5.173	68-74.8 FIXED MOBILE	FX, ML	
	72-73 FIXED MOBILE		FX, ML	
	73-74.6 RADIO ASTRONOMY S5.178		FX, ML	
	74.6-74.8 FIXED MOBILE		F X	
S5.149 S5.174 S5.175 S5.177 S5.179		S5.149 S5.176 S5.179		
74.8-75.2	AERONAUTICAL RADIONAVIGATION S5.180 S5.181		ARN	

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		FX, ML	
	75.4-76 FIXED MOBILE	75.4-87 FIXED MOBILE	FX, ML	
	76-88 BROADCASTING Fixed Mobile	S5.149 S5.182 S5.183 S5.188	FX, ML	
		87-100 FIXED MOBILE	BC	
	87.5-100 BROADCASTING	S5.185	BC	
	S5.190	88-100 BROADCASTING	BC	
100-108	BROADCASTING S5.192 S5.194		BC	
108-117.975	AERONAUTICAL RADIONAVIGATION S5.197		ARN	
117.975-137	AERONAUTICAL MOBILE (R) S5.111 S5.198 S5.199 S5.200 S5.201 S5.202 S5.203 S5.203A S5.203B		ARN (R)	

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		METSAT	
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		METSAT	
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		METSAT	

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		METSAT	
138-143.6	138-143.6 AERONAUTICAL MOBILE (OR) FIXED MOBILE RADIOLOCATION S5.210 S5.211 S5.212 S5.214 Space research (space-to-Earth)	138-143.6 FIXED MOBILE Space research (space-to-Earth) S5.207 S5.213	ARM (OR) FX, ML	
143.6-143.65	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) S5.207 S5.213	ARM (OR) FX, ML	
143.65-144	143.65-144 AERONAUTICAL MOBILE (OR) FIXED MOBILE RADIOLOCATION Space research (space-to-Earth) S5.210 S5.211 S5.212 S5.214	143.65-144 FIXED MOBILE Space research (space-to-Earth) S5.207 S5.213	ARM (OR) FX, ML	
144-146	AMATEUR S5.120 AMATEUR-SATELLITE S5.216		AMATEUR	

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	FX, ML	
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		FX, ML	
149.9-150.05	MOBILE-SATELLITE (Earth-to-space) S5.209 S5.224A RADIONAVIGATION-SATELLITE S5.224B S5.220 S5.222 S5.223		FX, ML	
150.05-153 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY S5.149	150.05-156.7625 FIXED MOBILE		FX, ML	
153-154 FIXED MOBILE except aeronautical mobile (R) Meteorological Aids			FX, ML	

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		FX	
156.7625-156.8375	MARITIME MOBILE (distress and calling) S5.111 S5.226		MARITIME MOBILE	
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		FX, ML	
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	BC	
	216-220 FIXED MARITIME MOBILE Radiolocation S5.241 S5.242			

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		NOT IN USE	
400.05-400.15	STANDARD FREQUENCY AND TIME SIGNAL- SATELLITE (400.1 MHz) S5.261 S5.262		NOT IN USE	
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		NOT IN USE	
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		FX, ML	
402-403	METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile		FX, ML	
403-406	METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile		FX, ML	
406-406.1	MOBILE-SATELLITE (Earth-to-space) S5.266 S5.267		EPIRB	

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		FX, ML	

410-470 MHz

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

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	FX, ML	
456-459	FIXED MOBILE S5.271 S5.287 S5.288		FX, ML	
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	FX, ML	
460-470	FIXED MOBILE Meteorological-Satellite (space-to-Earth) S5.287 S5.288 S5.289 S5.290		FX, ML	

470-890 MHz

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

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	FX, ML	
	902-928 FIXED Amateur Mobile except aeronautical mobile Radiolocation S5.150 S5.325 S5.326		FX, ML	
	928-942 FIXED MOBILE except aeronautical mobile Radiolocation S5.325		FX, ML	
942-960 FIXED MOBILE except aeronautical mobile BROADCASTING S5.322 S5.323	942-960 FIXED MOBILE	942-960 FIXED MOBILE BROADCASTING S5.320	FX, ML	

United Arab Emirates

Part 2

Question No.	Answer	Yes?	No?	Any problems been identified?	Any assistance from the ITU?
	The law was introduced in 1973 and few modifications were made in subsequent years	X		Due to new digital technology issues, the law will be revised in the near future	Not yet
	Few publications are made to assist the spectrum users on how to apply for different type of radio licenses	X		No	No
	The Ministry of Communications follows the ITU allocation table. However, in the future a national allocation table will be created based on the WRC-2000 outcome and national demand		X	No	No
	Partly yes, but the Ministry of Communications uses international technical standards due to new and speedy entrants of digital radio technology in the land mobile radio applications and in different bands of interest.	X		No.	Not so far
	Yes, the Ministry with the help of our Telecommunication Operator (ETISALAT) we put a strategy regarding the redeployment for a part of the spectrum for different radio-communication services. The consultation are based on a case by case basis with the existing users with potential costs resulting from the redeployment or finding other bands for the affected users which are applicable for their radio equipment.	X		No	
	The cost varies from one year to another. There are no exact figures for the total cost. The source of funding is from the Ministry of Finance, which is based on a yearly estimate of the budget.				
	The Ministry does have a method for the spectrum user's fees. The method is the following: 500 Dhs/single frequency (12.5 kHz BW)/year, plus 500 Dhs per each additional frequency (12.5 kHz)/year. 500 Dhs/ (25 kHz) for systems with wider bandwidth (e.g., TDMA/FM) with a ceiling of (30,000 DHs). 500 Dhs/ (unit of radio equipment)/year 1000 Dhs/(unit of radio equipment)/callsign/year for ships where their voyage is in the international water way. 1000 Dhs/(unit of radio equipment)/year for every ship within the national water way 1000 Dhs/(unit of radio equipment on board aircraft)/year 500 Dhs/year for licensing of maintenance companies and import of radio equipment. 200 Dhs/year/license for fishing or pleasure boats 150 Dhs/license for amateur radio				

United Arab Emirates

Part 2

Question No.	Answer	Yes?	No?	Any problems been identified?	Any assistance from the ITU?
8	<p>The size of the database is around 23,000 records</p> <p>The Ministry created a computerized database in 1998. We use Oracle 8 as the database engine plus Developer 2000 as the front ends with the users.</p> <p>No, the frequency assignment records are not available to public</p>	X		No	Not so far
9	As per the Ministry of Communications requirements, notification for frequency assignments are done through the GCC Telecommunication Bureau in Bahrain.	X		No	Not so far
10	The Ministry of Communications is planning for a major review of its national spectrum management policy regarding the introduction of the MSS and terrestrial digital technologies in different bands of the radio spectrum			No	Not so far
11	Technical analysis of the radio equipment and their associated performance for the efficiency of frequency utilization are done on a regular basis. The only thing is missing is the automation of the interference analysis, which is not done yet. However, the Ministry of Communications intends to develop this feature in the future.	X		No	May be in the future!
12	<p>Radio Monitoring is performed on a regular basis.</p> <p>There are two fixed radio monitoring sites and two mobiles.</p> <p>The monitoring facilities available at the two fixed sites are up to 1000 MHz. However, DF is not available.</p> <p>The first mobile monitoring is up to 1000 MHz, and the second one is available at up to 512 MHz.</p>	X		Yes	May be required in the future
13	<p>Technical analyses are performed for radio frequency interference complaints.</p> <p>Consultation processes are established among different groups in UAE and with our neighboring GCC countries with the help of the GCC technical Bureau in Bahrain.</p>	Yes		No	May be in the future
14	<p>Type of Computers: Tridat, Everex, Compaq</p> <p>Operating system: Windows NT, Version 4</p> <p>Type of server: Compaq</p> <p>WAN communication protocol: Frame Relay with 128 kbps, and ISDN (2B channels) as a backup</p> <p>Routers: ASCEND pipeline</p> <p>Switches: Extreme Network</p> <p>The Ministry is expanding its networking capabilities, and it will introduce the internet service capability with a WEB SITE in the near future.</p>			No	May be in the future'
15					
16					
17					
18					