

NATION BUILDING
and
SPECTRUM
MANAGEMENT
in
IRAQ
by

Fredrick Matos
National Telecommunications and
Information Administration
fmatos@ntia.doc.gov

AUTHORITY

- **U.N. Security Council Res 1483**
- **Coalition Provisional Authority**
- **Executive Orders**
- **CPA Order 11**



**DIM
YOUR
HEADLIGHTS**

United States Air Force

THIS IS A KILL ZONE

STOP AT ENTRY CONTROL POINT

DO NOT PROCEED UNTIL TOLD TO DO SO

DEADLY FORCE AUTHORIZED































COALITION PROVISIONAL AUTHORITY (CPA)

- **Senior Advisers and staff**
- **Advising Iraqi Ministries**

IRAQI SPECTRUM MANAGEMENT

- **Dr. Nasi Abachi, Director**
- **Staff of 10 – mostly women**
- **Computer literate**
- **Poor office communications, etc.**
- **Limited equipment**
- **Excellent English skills**
- **400,000 freq assignment records**
- **No ITU activities for 15 years**

TABLE OF FREQUENCY ALLOCATIONS

- **Necessary to preclude interference**
- **Coalition Forces Military**
- **Civilian**





LICENSING

- **Application forms**
- **Licenses**
- **Application fees**
- **Rules and Regulations**

Draft Frequency Allocation Table for Iraq

30 August 2003

Frequency (MHz / GHz)	Major Allocation	Main User and Coordinator	Notes
3-26.175 MHz	Fx/Mob/ Amateur	Shared band	Military to co-ordinate use and take responsibility for deconfliction for Fx/Mob. ITPC to provide details of current users and CPA to provide details of other known users (e.g. UN)
26.175-28.0	Fx/Mob	Civ	Citizens Band and small unlicensed use
28-30	Amateur	Civ	
30-47	Fx/Mob	Mil	Freqs around 43 and 49 MHz are also used for domestic indoor cordless phones.
47-68	Fx/Mob	Mil	Possible future use for TV ch 3, 4 & 5. Cordless phones – see above note.
68-87.5	Fx/Mob	Mil	ITPC will forward known assignments to mil for inclusion in XXI database who will then work around them.
87.5-138	Broadcasting/ Mob	Civ	

NATIONAL TELEVISION ALLOTMENT PLAN

Developed by the CPA, the Iraqi Spectrum
Management Staff, and the I.M.N.

10 August 2003

ITEM	CITY	VHF CHANNELS				UHF CHANNELS							
		5	7	9	12	22	45	48	51	54	57	59	
1	BAGHDAD	5	7	9	12	22	45	48	51	54	57	59	
2	SINJAR	5				49	52	55					
3	MOSUL	7	9	12		22	25	27	57				
4	KIRKUK	6	8	10		32	35	50	59				
5	BAQUBA	11				23	26	39	42				
6	AL-QAIM	7	9	12		32	35	38					
7	HADITHA	6	8	10		30	33	36					

FM BROADCASTING NATIONAL ALLOTMENT TABLE 9 August 2003

1	Baghdad	88.6B, 89.4C*, 91.4C*, 92.3C, 94.6C*, 95.5B, 98.3C, 100.4B, 101.4B, 102.4B, 103.2B, 104.1B, 106.9B, 107.7B
2	Baqubah	90.2B*, 93.1B*, 96.3B*, 105.4B
3	Falluja	93.8B, 97.1B
4	Tikrit/Bayji/ Samara	87.2B*, 88.0B*, 94.0A, 96.0A, 98.0A*, 105.2A, 107.2A
5	Karbala	89.7B*, 96.0B*, 99.3B*, 102.8B,
6	Al Hillah/ Babil	90.4A*, 97.9B*, 104.2B*, 105.2A, 106.3B, 107.2 B
7	Bayji	107.2A
8	Ramadi	88.9A*, 90.7A*, 96.6A, 100.1B*, 106.0A



DAILY ACTIVITIES

- **Land mobile license applications**
- **Private Security Forces**
- **FM & TV Broadcasting**
- **Police frequencies in 96 cities**

CELLULAR TELEPHONES

- **Pre-war 2 % with wire phones**
- **3 cellular licenses issued Dec '03**
- **Competition**
- **1,500,000 cellular subscribers**

Independent Telecommunications and Broadcasting Commission

- **Licensing and Regulator**
- **Nine part-time commissioners**
- **Director General**
- **Minister of Communications**









To Our Heroes
Our hearts are with you!!

Mrs. Gonzalez's 3rd grade
Wesbaden, Germany

