



# Utility Monitoring Central Archive

*Note that the UMC Archive files mainly cover defunct stations. Some stations may however still be active and some of the info may still be valid.*

## **MOI, Border Guards, and Customs Radio stations**

Algerian MOI "KARIM" net  
Algerian MOI "RAFIK" net  
Algerian Customs  
Moroccan MOI  
Saudi National Guard  
Tunisian MOI  
US Customs

**ALGERIAN MOI "KARIM"**

Last update: 11/May/2001

**Transmission Modes:**

ITA-2 50bd 400Hz

MIL-188-141A 125bd 1650Hz ALE

**Logged Frequencies:** 3620.0 5860.0 6945.0 6966.0 8130.0 9175.0**Notes on Operation:**

- Long standing HF inhabitant using the fictitious callsign "KARIM" has been associated with Algerian MOI operations, most likely Border Guard.
- KARIM appeared in mid-2000 using ALE and triggering traffic using the Harris Falcon equipment.

<u>Callsign</u>	<u>ALE ID</u>	<u>Location</u>
	B12	
	B92	
	C13	
	C95	
	E13	
	H11	
	K13	
	K23	
	K33	
	K43	
	K87	
KARIM	KARIM	Algiers
	KARIM2	Algiers
	KARIM3	Algiers
	O13	
	O23	
	P11	
	P12	
	R42	
	R52	

**ALGERIAN MOI "RAFIK"**

Last update: 31/May/2001

**Transmission Modes:**

MIL-188-141A 125bd 1650Hz ALE  
Coquelet Mk III 16.67bd 8 tone MFSK  
Harris RF-5000 AVS Vocoder

**Logged Frequencies:** 8010.0

**Notes on Operation:**

- [SAT][SUN]
- As with KARIM, the Algerians have another MOI or Mil ALE Network operating with a distinctive identifier.
- Traffic is usually sent with 16.67bd Coquelet Mk3 and Harris RF-5000 "Falcon" AVS gear.

**ALE ID**

J54J

J14J

RAFIK

**ALGERIAN CUSTOMS**

Last update: 24/Dec/1999

**Transmission Modes:** Coquelet-8 26.7bd Inverted, PacTOR-I 200bd/200Hz**Frequencies:**4757.00 6911.38 6991.94 7421.40 7418.70 7528.40 7813.38 7808.62 10011.39 10467.39  
10464.70 11251.38 11527.4 13853.70 13898.65 13936.39 13933.64 13934.80 15971.8**Notes on Operation:**

- [SAT][SUN]
- Language: French
- Encryption not noted thus far.
- Overall operation similar to that used by Algerian Diplomatic Service, including message formats, operational procedure and routing indicators.
- Operator exchanges alternating opr/traffic in Coquelet-8 on the same frequency. Remote customs offices are often referred to by short names during such exchanges eg "oua" when asking Ouargla to QSL.
- No use noted of either Coquelet-8v2 or Coquelet-8 at 13.3bd.
- [January 1997] Use of standard PacTOR on 11527.7kHz using the three-letter location identifier during opchat as with Coquelet-8.
- [October 1999] Use of MIL-188-110A PSK HF modem, with MIL-188-141A ALE noted on a number of channels.

**Message example:** Messages from Ouargla to other regional offices  
off ouargla to nr 1291 le 12/11/1995 a 16h00hl

exp:mr.le chef de l'inspection divisionnaire des douanes a ouargla

des:mr.le chef de l'inspection divisionnaire des douanes a oran

des:mr.les chefs des inspections divisionnaires des douanes wilayates

des:mr.le chef de service regional de la lutte contre la fraude a  
ouargla

des:mr.le directeur regional des douanes a ouargla p/information

texte nr 471/drou/idou/sec.5

=====  
dans cadre application directives contenues dan messages nr  
211/dgd/d.110 du 16/02/1994 et nr 898/dgd/d.111 du 25/05/1994 stop  
honneur informer mon collegue a oran stop bureau des douanes de  
tougourt a proceder au dedouanement du vehicule ci-apres stop t.p.d  
apure lui sera transmit par courrier normal stop-----  
importateur :nr et date t.p.d :marque et nr vehicule:regularisation-----:-----2-:-----:  
aguieb :30/013084 du : trr volvo :230.119 du

brahim :19.09.95 : 252 vr 57 :08.11.95

-----:-----:  
aguieb :30/013081 du : srem traillor :350.016 du

brahim :18.09.95 : 9328 sz 68 :08.11.95

-----  
stop signe le c.i.d des douanes a ouargla stop m.hadj amed

stop/////////et/////////fin coll/bon/ba

nnnn

**Dictionary:**

exp	Expéditeur (Sender)
des	Destination (Recipient)
dgd	Directeur General des Douanes (Director General of Customs)
dsn	Directeur Surete Nationale (Director General National Security)
dgn	Directeur Gendarmerie Nationale (Director National Police)
Wilayates	Provinces

**Selcals/ALE IDs for Locations:**

1CNDT	HQ Algiers
IILA	
IHBR	

**Office Locations:**

Location	Mnemonic	Location	Mnemonic	Location	Mnemonic
Adrar	ada? aeb	El Bayadh		Naama	nma
Algiers	alg, ala, dgd	El Oued		?	mlk
Algiers Port	apc	El Tarf	efb, efd	Oran	ora, ord
Ain Defla		Ghardaia		Oran Port	orb
Ain Temouchent		Guelma		Ouargla	oua
Annaba	ana	?	grm	Ouled Moumen	
Arzew		?	grp	Oum Theboul	oub
?	apa	?	grx	?	ror
Batna		?	grz	Relizane	
Bechar	hrb	Hadika		Saida	
Bejaia	bej, bja	Heddada		Setif	sfa, sfb
Biskra		?	hba	Sida Bel Abbes	
Blida		?	hra	Skikda	ska
Bordj Bou Arreridj		?	hrf	Souk Ahras	sha
Bouira		?	hru	Tamanrasset	
Boumerdes		Illizi		Tebessa	
Chlef		Jijel		?	ted
Constantine		Khenchela		Tiaret	tia
?	ctr	Laghouat		Tindouf	
Dar El Beida		Mascara		Tipaza	
Deb Deb		Medea	mda	Tissemsilt	
Djanet		Mila		Tizi-Ouzou	
Djelfa		Mostaganem		Tlemcen	
?	eca	M'Sila		?	tlb
				?	tlx

**MOROCCAN MOI**

Last update: 11/May/2001

**Transmission Modes:** MIL-188-141A 125bd 1650Hz ALE**Logged Frequencies (all LSB):** 7740.0 11442.0 11489.0 13879.0 13900.0 15000.0**Notes on Operation:**

The Moroccan MOI can be heard using a combination of tactical and location-based identifiers on the following frequencies. Monitors have not yet reported any traffic following ALE.

**ALE ID**      **Location**

DAKHLA	Dakhla
DEPA	
DEPJ	
DEPJL	
DEPL	
DEPM	
DEPN	
DEPS	
DEPT	
DG	
KENITRA	Kenitra
TANTAN	Tan Tan
WCNJL	

**SAUDI NATIONAL GUARD**

Last update: 11/Nov/1997

**Transmission Modes:**

ARS-GUARD 125bd/170Hz ACF=48/96

**Logged Frequencies:**

7672.5 7677.5 7869.5 8822.5 11109.5 11114.5 12257.5 12357.5 12362.5 12457.5 12457.6

**Notes on Operation:**

- [SAT][SUN]
- Unique in use of 125bd FEC system code-named ARS-GUARD by Hoka.
- Not heard since early 1997.

**TUNISIAN MOI**

Last update: 01/Apr/1997

**Transmission Modes:** ITA-2 50bd Erect 170Hz

**Frequencies:** 3331.0 3839.0 4423.0 5476.0 5796.0 5831.0

**Notes on Operation:**

- [SAT][SUN]
- Language: Arabic ATU-80
- Majority of traffic is passport and visa control messages.
- Daytime frequency is 5796kHz, descending to 3331kHz during late evening. The latter frequency was DF'ed to a location close to the airport in Monastir during November 1996.
- Recognisable through characteristic "kfkfkfkf" (ATU-80 "arararar") ending after prolonged transmissions.



**US CUSTOMS**

Last update: 11/June/2001

**Transmission Modes:**

MIL-188-141A 125bd 1650Hz ALE  
MIL-188-110A 2400bd PSK HF Modem  
MIL-188-110CN2 ANDVT Vocoder  
Rockwell Collins 300bd 600Hz SELSCAN ALE  
Parkhill Vocoder

**Logged Frequencies:**

5732.0 6867.0 7527.0 8712.0 8912.0 10242.0 11494.0 13907.0 15867.0 18594.0 20890.0 23214.0  
25350.0

**ALE ID**

543P  
D48P  
MV7P  
TRC  
U9N