



# Monitoring System

## - IARUMS Region 1 -

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The monthly newsletter for Region 1

# February 2007

The members of the IARUMS Region 1 monitoring team:



## Acknowledgements

++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ MRASZ: HA7PL - Laci ++ OEVS: OE3DMA – Alex ++  
++ RSGB: G4BOH - Chris ++ SART: ZS6AKV - Hans ++ SRAL: OH2BLU - Pekka ++  
++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++ RAL: OD5RI - Riri ++  
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++ DF5UG - Hans (EC-IARU-R1) ++ DF8FE – Martin (Webmaster assistance) ++  
++ G3VZV – Graham (satellite intrusions) ++ DK4VW - Ulli (DARC-HF-Department) ++  
++ DJ7KG - Georg (beacons) ++ DF5SX - Wolfgang (BC) ++ DARC (server support) ++  
++ German PTT ++ British PTT ++ Spanish PTT ++ Finnish PTT ++ other European PTTs ++  
++ IARU Region 1 assistance ++

Part 1: News and infos

Part 2: Detailed reports from the national co-ordinators

Important Links – available on <http://www.iarums-r1.org>

Soundfiles – <http://www.iarums-r1.org>

Latest Intruder News – often updated - <http://www.iarums-r1.org> –

## Part 1: News and infos

### 1. Carriers on 14000 – fast solution

I found 2 carriers on 14000 and phoned our PTT (BNetzA). The BNetzA phoned another European PTT which is well known for its special connections. The 2 carriers (MIL-system) came from Southern Europe and disappeared 15 minutes after my phone call. Thanks to the German BNetzA, great action!

### 2. 7010 kHz – intermodulation product

I observed an intermodulation product on 7010 kHz and phoned our PTT (BNetzA). They found out, that BC transmitters from “Deutsche Welle” were producing the carrier on 7010.

The BC transmission QRGs were 7145 and 7280 kHz.  $7145 \times 2 - 7280 = 7010$  kHz. Our PTT contacted the “Deutsche Welle” = German Wave (means: Voice of Germany). The BC technicians reacted very kindly and tried to solve the problems during the following days.

### 3. 7000 kHz – Carabinieri

About two years ago we believed that the ALE system of the Italian Carabinieri (Rome) would have left 7000. So I was rather amazed to find them again on this QRG on February 2007. The German PTT confirmed my measurements and prepared an official complaint.

### 4. Homepage updates

Our homepage has been updated (Important Links, Soundfiles, Gallery, Successful Actions). The German part on the right side has been updated with further links, too. You can check German callsigns, too.

### 5. DPRK-FSK600 again active

The DPRK-FSK600 system (600 Bd / 600 Hz shift) is active again on 14038.447 kHz (center) daily at 1700 utc or a bit later. This system is an ARQ-burst system working on 2 different QRGs (semi-duplex).

Location: Tripolis / Libya. User: North-Korean embassy. Earlier complaints of the German PTT were disregarded.

### 6. African missionaries

Missionaries from Central Africa appeared again 14000 USB. They were talking French and vernacular and often using “ok..ok”. We know these Brothers of Boldness from earlier times.

### 7. Italian fishery

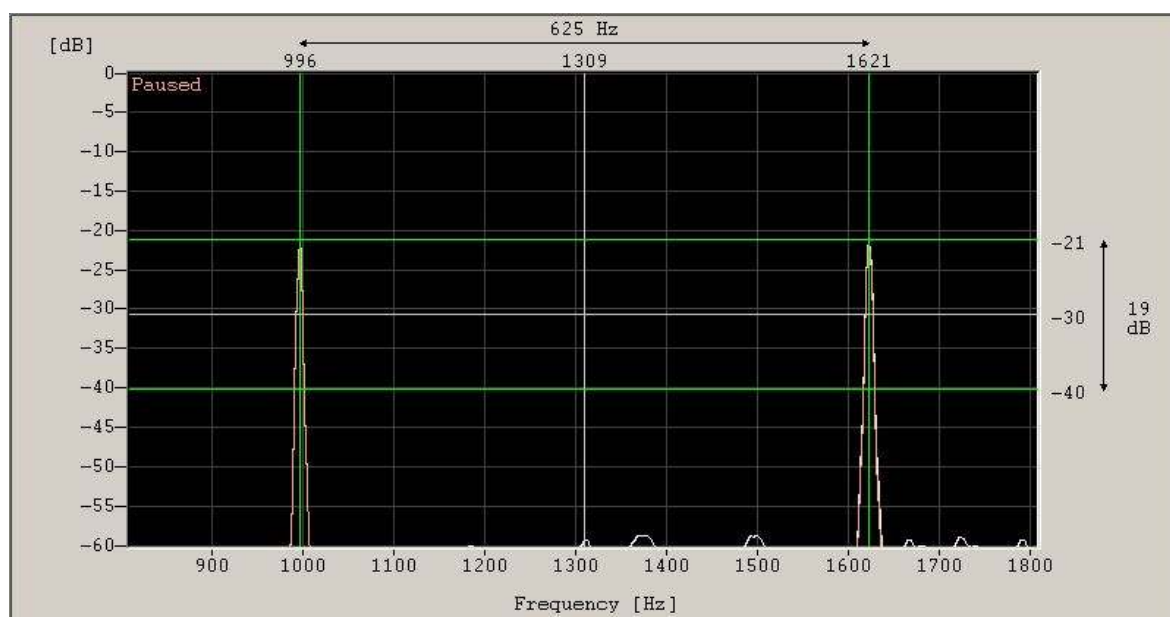
Italian fishermen were often abusing 14000 USB, male persons with rough voices, area of Sicily.

### 8. Homepage IARUMS Region 1 <http://www.iarums-r1.org>

Homepage IARUMS Region 2 <http://www.iaruregion2.org>

Homepage IARUMS Region 3 <http://www.jarl.or.jp/iaru-r3/ms/r3msnl.htm>

## 2-carrier system on 14000.996 and 14001.621 kHz from Sicily Island



screenshot: DK2OM with Wavecom

## Part 2: Detailed reports from the national Co-ordinators

dly = daily vt = various times ... vd = various days ... pps = pulses per second (radar systems) ... BD = Baud  
 ... SH = Shift ... J3E-U = USB ... J3E-L = LSB ... MIL = military ... NGO = non governmental organization  
 MM = month ... DD = day ... ITU = ITU abbreviation ... PRC = People Republic of China ...  
 PLA = people's liberation army

### ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	07000.0	vt	dly	2	SOM	Boccaro, Galkayu	J3Eu	Somalis. Phone patching.
ARSK	07002.0	vt	dly	2	SDN	UiPHONE	J3E	S. Sudan, vernacular.
ARSK	07008.0	vt	dly	2	SDN	M7, M18, JB, 18,	J3Eu	Vernacular, English, KiSwahili. SPLA.
ARSK	07011.0	1411	13	2	SOM	Baidoa	J3E	Somalis.
ARSK	07012.0	vt	*	2	SOM	Kismayu, Afmadu, Dobleh	J3Eu	Somalis, SelCal.*10, 14,
ARSK	07013.0	0519	14	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07015.0	1438	28	2	SOM	UiPHONE	J3Eu	Somalis, Koran recitations..
ARSK	07017.0	vt	dly	2	SOM	Jowhar	J3Eu	Somalis.
ARSK	07020.0	0625	24	2	ZAI	UiPHONE	J3Eu	Vernacular, French.
ARSK	07022.0	vt	dly	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07023.0	vt	dly	2	SOM	Bulla Hawa	J3Eu	Somalis. Phone patching.
ARSK	07023.0	0500 0600 etc	dly	2	TZA	Arusha, Namanga, Site one.	J3Eu	Indian language, English, KiSwahili, business. Usually calls every hour on the hour from 0500Z weekdays.
ARSK	07024.0	0800	9	2	SDN	UiPHONE	J3E	Vernacular, SPLA or NGO.
ARSK	07025.0	0520	19	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07026.0	vt	dly	2	SDN	Twiga, K1, K2, K3, JB, RS, V1, V2, P2, IF, CF,	J3Eu	English, NGO. Selcal.
ARSK	07030.0	vt	dly	2	SOM	Berbera, Baidoa	J3Eu	Somalis.
ARSK	07031.0	0713	19	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07035.0	vt	dly	2	SDN	UiPHONE	J3Eu	Verbal Morse. Phonetics, SelCal.
ARSK	07038.0	0557	13	2	SDN	UiPHONE	J3Eu	Vernacular.
ARSK	07039.0	0345	*	2	RUS	Beacons	A1A	Beacons "D" and "C". *13,24,25,
ARSK	07039.0	0340	20	2	RUS	Beacons	A1A	Beacon "C".
ARSK	07040.0	vt	dly	2	ETH	UiPHONE	J3Eu	Amharic.
ARSK	07045.0	vt	dly	2	SDN	El Fasher, MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4, WL5, WL9, WL10, BR, WM, NU, MAJ,	J3E	Vernacular, Dholuo, English, phonetics. Sudan, NGO, SPLA or SNLA?
ARSK	07045.0	vt	dly	2	TZA BUR	Mafia, Songea, Lindi, Kalungu, Korogwe, Kilwa, Sumbawanga, Korogwe, Bujumbura (Burundi)	J3E J3Eu	Tanzania Electricity Supply Co. Usage illegal and contrary to ITU allocations. The Bujumbura connection is new (heard 17/10/06) and not understood.
ARSK	07046.0	0510	25	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07048.0	vt	dly	2	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B15,CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA?
ARSK	07050.0	vt	dly	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07050.0	vt	dly	2	SDN? RRW UGA? ETH?	A, AA, BB, J, K, D, DG, Kigali, GA, W, WA, 42, 54, 4A, 72,691,134, 128, PW, Bukavu, 4W,	J3Eu	French, English, Italian, NGO. Positions coded, Alfa, Golf etc. Selcal. Possible Kampala link. May also have stations in Ethiopia, Somalia and Mozambique.
ARSK	07055.0	0800	23	2	SDN	UiPHONE	J3E	SPLA? Vernacular.

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	07057.0	vt	dly	2	SOM KEN?	Kismayu, Afmadu, Dobleh, Nairobi? Garissa? Mandera?	J3Eu	Somalis, phonepatching.
ARSK	07065.0	vt	dly	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07066.0	vt	dly	2	SDN	B1, B2, AT,K1, KT, CT, TI, BT, B2, KR, JT, P1, LL, LA, A25, BJ, RK1, RK2, KA	J3E	S. Sudan. English, & Nilotic language. NGO? Also uses 5712 KHz.
ARSK	07070.0	vt	dly	2	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal.
ARSK	07072.0	0516	8	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07075.0	vt	dly	2	SOM	Galkayu, Kismayu, Baidoa	J3E J3Eu	Somalis. SelCal, phonepatching.
ARSK	07080.0	vt	dly	2	ZAI	UiPHONE	J3Eu	French, vernacular.
ARSK	07084.0	1410	13	2	ZAI	UiPHONE	J3Eu	French.
ARSK	07085.0	1505	25	2	SOM	UiPHOINE	J3Eu	Somalis.
ARSK	07087.0	1657	13	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	07100.0	vt	dly	2	ERI	VoBM	A3A	BC Voice of the Broad Masses, Eritrea.

### DARC – Germany – Part 1 – DJ9KR (Uli) / DK2OM (Wolf)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3500,0	2001	02	02	J3E-U	E	UiILL	Spanish fishery
DARC	3520,0	0730	1	02	J3E-U	E	UiILL	Spanish fishery "su frecuencia libre"
DARC	3557,0	2149	05	02	A3E	ISR	Mossad	female voice "Charlie India Oscar Two"
DARC	6999,0	1826	06	02	J3E-U	E	UiILL	Spanish fishery splattering into ham band
DARC	7000,0	1019	15	02	J3E-U		UiILL	unid male voices
DARC	7000,0	1022	15	02	J3E-U	I	UiILL	Italian male person
DARC	7000,0	1606	15	02	J3E-U	INS	UiILL	large Indonesian net
DARC	7000,0	1716	05	02	J3E-U		UiILL	Ar male net
DARC	7000,0	vt	vd	02	J3E-L	I	Amateur s?	strange traffic, as SSB-LSB is out-of-band- operation - splatters into ham band with suppressed USB - the persons claim to be licensed Amateurs (sic!)
DARC	7000,0	vt	05	02	J3E-L	I	IZ6KBN	OP Davide - heard 1808 - 1813 - says he is a lis Radio Amateur - out of band operation as LSB is used!
DARC	7000,0	vt	05	02	J3E-L	I	IZ6HZU	OP Vito - heard 1808 - 1813 - says he is a lis Radio Amateur - out of band operation as LSB is used!
DARC	7000,0	vt	08	02	J3E-L	I	I8SGL	OP Luigi, Salerno - heard 0900 - 0950
DARC	7000,0	vt	08	02	J3E-L	I	IZ1KFY	OP Massimo - heard 0900 - 0950
DARC	7000,0	vt	08	02	J3E-L	I	IK6NGY	OP Giorgio, Fano - heard 0900 - 0950
DARC	7000,0	vt	08	02	J3E-L	I	I5CXE	OP Giorgio, Ponte A Elsa - heard 0900 - 0950
DARC	7000,0	vt	09	02	J3E-U	N.Eu	UiILL	2 male persons in Danish or Swedish, also some sentences in English, engine noise - heard 0922 - 0956 QSA 4 - 5 - reported to KON
DARC	7000,0	vt	10	02	J3E-L	I	I0JRJ	OP Franco, Lavinio, Prov. Roma - heard 0940 - 0941 - earlier heard 16 Nov 2005 1526 - 1553 also on 7000 kHz LSB
DARC	7000,0	vt	10	02	J3E-L	I	IW1QEA	OP Mario, Genova - heard 0940 - 0941
DARC	7000,0	vt	10	02	J3E-L	I	IK2BBU	OP Luigi, Milano - heard 1534 - 1554
DARC	7000,0	vt	10	02	J3E-L	I	IZ0HUA	OP Roberto, Roma - heard 1534 - 1554
DARC	7000,0	vt	10	02	J3E-L	I	IZ7DZO	OP Mauro, Brindisi - heard 1534 - 1554

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	7000,0	1256	11	02	J3E-L	I	IW2JPB	"proba proba proba"
DARC	7000,0	vt	11	02	J3E-L	I	I0JRJ	OP Franco, Lavinio, Prov. Roma - heard 0909 - 0922 - then QSY into 20-m-Band
DARC	7000,0	vt	11	02	J3E-L	I	IS0IHL	OP Michele - heard 0909 - 0922 - then QSY into 20-m-Band
DARC	7000,0	vt	11	02	J3E-L	I	IK2BBU	OP Luigi, Milano - heard 0909 - 0922 - then QSY into 20-m-Band
DARC	7001,0	1845	15	02	J3E-U	S.As	UiILL	S.As male voices, no amateurs!
DARC	7006,0	2011	04	02	J3E-U		UiILL	unid male voices
DARC	7009,0	1829	15	02	J3E-U		UiILL	unid language, male net
DARC	7010,0	1822	13	02	J3E-U	F.Ea	UiILL	pirates from Far East
DARC	7025,0	vt	vd	02	J3E-U	GRC	UiILL	woman in Greek language, heard 21 21 at 0615, 0600
DARC	7030,0	0805	19	02	J3E-L	RUS	UiILL	Russian male person
DARC	7030,0	1449	08	02	J3E-U		UiILL	male to female person
DARC	7031,0	1449	08	02	J3E-U		UiILL	male to female person, short roger bips
DARC	7048,0	1030	16	02	J3E-U		UiILL	Italian traffic
DARC	7060,0	1959	01	02	J3E-U	E	UiILL	Spanish fishery
DARC	7070,0	1826	01	02	J3E-U	F.Ea	UiILL	unid pirates, unid lanaguage
DARC	10101,0	vt	vd	02	J3E-U	MRC	UiILL	pirates in French and Arabic voice, no calls - heard 19 25 26 at 1045, 1518, 0939
DARC	10106,0	2042	03	02	J3E-U	E	UiILL	pirates in Spanish voice
DARC	10111,0	1010	16	02	J3E-U		UiILL	unid pirates, unid language
DARC	10125,0	1951	08	02	J3E-U	E	UiILL	fishery
DARC	10135,0	1020	17	02	J3E-U	E	UiILL	Spanish fishery, male to female
DARC	10147,0	1835	07	02	J3E-U	E	UiILL	Spanish fishery
DARC	10150,0	vt	vd	02	J3E-U	E	UiILL	Spanish fishery heard 19 20 at 1127, 1932
DARC	13999,6	1030	12	02	J3E-U	RUS	UiILL	Russian pirates splattering into ham band
DARC	14000,0	1024	11	02	J3E-U	C.Af	UiILL	pirates in French voice, possibly C.Af
DARC	14000,0	1627	11	02	A3E	ISR	YHF	female voice repeating "Yankee Hotel Foxtrot", is Mossad ISR
DARC	14000,0	1617	14	02	J3E-U	ZAI	UiILL	missionary's traffic in Vernacular and French "à vous", male and female persons (Fathers and Nuns?)
DARC	14000,0	1605	25	02	J3E-U	C.Af	UiILL	unid language, male net
DARC	14000,0	0737	07	02	J3E-U	I	UiILL	2 male persons in Italian dialect, loc. Sicily?
DARC	14000,0	1805	09	02	F3E	I	UiILL	Italian pirates in FM, no calls
DARC	14000,0	vt	vd	02	J3E-U		UiILL	very big and active net heard all month at 1000, 1100 and 1200 - mentioning "Salambo" - 25 reports all month
DARC	14000,0	vt	vd	02	J3E-U	I	UiILL	Italian fishery, heard 01 06 at 1549 - 1647
DARC	14000,0	vt	vd	02	J3E-U	MRC	UiILL	Moroccan fishery, heard 12 - 15 at 0949, 2055, 1218, 1939
DARC	14000,1	vt	vd	02	J3E-U	F.Ea	UiILL	net, location possibly Indian Ocean
DARC	14001,0	1422	15	02	J3E-L	F.Ea	UiILL	pirates
DARC	14001,0	1218	08	02	J3E-U	F.Ea	UiILL	net in Hindi language?
DARC	14001,5	vt	vd	02	J3E-U	S.As	UiILL	male persons heard 20 - 23 at 1535, 1416, 1204, 1507
DARC	14003,0	1508	13	02	J3E-U	C.Af	UiILL	missionary's traffic in Vernacular and French "à vous" "ok..ok", male and female persons (Fathers and Nuns?)
DARC	14003,0	1032	16	02	J3E-L	INS	UiILL	Indonesian pirates
DARC	14004,0	1036	24	02	J3E-U	F.Ea	UiILL	pirates
DARC	14005,5	1109	24	02	J3E-L	F.Ea	UiILL	pirates, using LSB
DARC	14007,0	1228	09	02	J3E-U	KOR	UiILL	Korean ships, QTE 080 degs from S' Germany
DARC	14010,0	1103	24	02	J3E-L	F.Ea	UiILL	pirates, using LSB
DARC	14040,0	0816	16	02	J3E-L		UiILL	Arabic dialect, short roger beep
DARC	14040,0	vt	05	02	J3E-U	MRC	UiILL	3 male persons in Arabic dialect and French, to complaining ham: "nous sommes des pecheurs marocains" - heard 0952 - 0958 - from 14055 - to 16040 a/ request
DARC	14055,0	1056	13	02	J3E-U	SOM	UiILL	pirates
DARC	14055,0	vt	05	02	J3E-U	MRC	Morocca	3 male persons in Arabic dialect and French,



CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
							n fishery	to complaining ham: "nous sommes des pecheurs marocains" - heard 0952 - 0952 - to 14040 a/ request
DARC	14060,0	1056	15	02	J3E-U	MRC	UiILL	fishery
DARC	14070,0	vt	25	02	J3E-U	E	UiILL	female in Spanish voice, duplex, partner is on 14365 - heard 0908 - 0910
DARC	14080,0	1331	02	02	J3E-U		UiILL	unid pirates, unid lanaguage
DARC	14088,0	0944	05	02	J3E-U		UiILL	Ar male net, short roger bip
DARC	14090,0	1949	14	02	J3E-U	MRC	UiILL	fishery, to 14310 a/a
DARC	14092,6	vt	15	02	J3E-U	J	UiILL	2 male persons in Japanese 0805 - 0811
DARC	14093,0	0754	05	02	J3E-U	S.As	UiILL	male voices possible from S.As, long path
DARC	14095,0	1122	24	02	J3E-U	GRC	UiILL	pirates
DARC	14100,0	1120	16	02	J3E-L	INS	UiILL	Indonesian pirates
DARC	14100,0	1126	24	02	J3E-U	GRC	UiILL	pirates
DARC	14101,0	1029	13	02	J3E-U	F.Ea	UiILL	Far East pirates, QTE 110 degs. from S' Germany, Hindi voice?
DARC	14103,4	1516	20	02	J3E-U	F.Ea	UiILL	male net
DARC	14140,0	vt	20	02	J3E-U	E	UiILL	male to female person in Spanish, already often heard - from 14365 after command "90-Sevilla" - active 0856 - 0859
DARC	14235,5	0813	06	02	J3E-U	S.As	UiILL	S.As male voices, no amateurs!
DARC	14297,5	1635	26	02	J3E-U	I	UiILL	male person callilng "Camillo", no call sign
DARC	14310,0	1959	14	02	J3E-U	MRC	UiILL	fishery, from 14090 a/a
DARC	14321,0	1805	13	02	J3E-U	KOR	UiILL	Korean ships, South Atlantic?
DARC	14346,0	0949	16	02	J3E-U		UiILL	2 male persons in N' Af voice
DARC	14349,0	0954	16	02	J3E-U		UiILL	2 male persons heard in Spanish dialecat

### DARC – Germany – Part 2 – DJ9KR (UiI) / DK2OM (Wolf)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	3506,0	1617	01	02	FSK8		UiMUX			unid ALE, selcall "8EGY"
DARC	3506,5	1615	01	02	G7B	D	UiMUX	2k4		NATO-Link-11, D8PSK, located N' Germany
DARC	3510,0	2103	03	02	F1B	RUS	UiPTR	81	250	system 81
DARC	3525,7	1854	02	02	J7D	RUS	UiMUX			12-tone system AT-3004-D
DARC	3536,0	2023	12	02	J7D	RUS	UiMUX			12 tone system AT-3004-D
DARC	3543,5	2144	01	02	F1B	RUS	UiPTR	81	250	system 81
DARC	3544,0	0620	05	02	A3E	F	French Hams			French Amateurs in A3E, do not follow band plan of IARU
DARC	3550,0	0712	01	02	A3E	F	French Hams			French Amateurs in A3E, do not follow band plan of IARU
DARC	3550,0	vt	vd	02	A3E	F	Many French Amateur Radio Stations			Information to Intruder Watchers: 0600 - 0900: large net up to 20 stations in "AM" by French lis Radio Amateurs - Activity is not conform to IARU Band Plan and a waste of Amateur Radio spectrum - often reported to IARU-MS as "Intruders" - Back to roots? When will they use Spark Gap transmitters agn?
DARC	3550,0	2315	15	02	G7B		UiMUX			frequency hopper
DARC	3551,7	2254	15	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	3551,7	vt	vd	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC", heard 17 18 at 1940, 2000
DARC	3555,0	0635	05	02	A3E	F	French			French Amateurs in A3E,

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
							Hams			do not follow band plan of IARU
DARC	3557,0	0654	05	02	A3E	F	French Hams			French Amateurs in A3E, do not follow band plan of IARU
DARC	3557,0	2149	05	02	A3E	ISR	Mossad Israel			female voice "Charlie India Oscar Two"
DARC	3564,0	1945	04	02	F1A	BLR	beacon			reversals, location of tx-er is Minsk
DARC	3569,8	1854	02	02	J7D	RUS	UiMUX			12-tone system AT-3004-D
DARC	3572,0	2040	07	02	QPSK	HOL	UiMUX	100	100	Radio Navigation System, The Netherlands, daily
DARC	3575,0	1932	15	02	F1B	RUS	UiPTR	75	250	unid printer
DARC	3587,0	2045	07	02	FSK8	E	UiMUX			ALE, selcall TXX2, is Guardia Civil, Spain
DARC	3593,8	1830	02	02	A1A	RUS	beacon P			is Kaliningrad
DARC	3594,0	2216	15	02	A1A	RUS	beacon C			beacon Moscow
DARC	3594,0	2216	15	02	A1A	UKR	beacon D			beacon Sevastopol
DARC	3596,7	2130	14	02	G7B	NAT O	UiMUX	2k4		NATO-LINK-11, 2k4, is legal!
DARC	3642,5	1939	20	02	F1B	RUS	UiPTR	81	250	unid printer system 81
DARC	3668,0	1952	04	02	G7B		UiMUX			frequency hopper
DARC	3698,0	1910	02	02	A1A	RUS	RDL			Russian MIL, in A1A ident "P"
DARC	3699,5	1940	20	02	A1A	RUS	beacon P			beacon Kaliningrad
DARC	3755,0	ady	01	02	FSK8	ROU	UiMUX			system ALE, selcalls AAO, CER, VOLUNTAR, is ROU MIL
DARC	3756,0	vt	vd	02	A3E	UKR	Ui-Beacon			"the pip", 2 x 5 tones each channel, channel marker heard all month 1006 - 1520
DARC	3798,0	1920	02	02	FSK8	ALG	UiMUX			ALE, selcalls YG4, YG71, YG64, YG4 - is Algerian MIL
DARC	3800,0	1938	17	02	G7B		UiMUX			frequency hopper
DARC	7000,0	1942	13	02	A3E		UiBC			Arabic music
DARC	7000,0	2029	02	02	A3E		UiBC			Intermodulation "IM"
DARC	7000,0	2011	04	02	A3E		UiBC			2 px heard at the same time, one French px found // 7115
DARC	7000,0	2032	12	02	N0N		UiCAR			carrier
DARC	7000,0	1906	22	02	FSK8	I	UiMUX			ALE, selcalls 204, 2047, 2000 - is Italian Carabinieri Rome
DARC	7001,0	0811	08	02	XXX		UiMUX			rushing noise
DARC	7003,0	1019	15	02	FSK8		UiMUX			ALE heard
DARC	7010,0	1800	13	02	A3E	D	Deutsche Welle			tx-er s/on
DARC	7010,0	0833	dly	02	FSK8	NATO	UiMUX	125	1750	ALE, selcalls RS0, CS002 - is NATO Network Balcan,
DARC	7010,0	1819	10	02	A3E	D	Deutsche Welle			Ar px
DARC	7010,0	1813	13	02	G7B		UiMUX			frequency hopper
DARC	7010,0	vt	vd	02	A3E	D	Deutsche Welle			Ar px heard all month 1800 - 1831
DARC	7011,0	0819	08	02	FSK8		UiMUX			ALE heard
DARC	7011,0	0930	13	02	F1B	RUS	UiPTR	81	250	system 81
DARC	7012,0	0836	14	02	F1B		UiPTR			fast reversals
DARC	7012,0	0836	14	02	FSK8		UiMUX			ALE heard
DARC	7018,0	1759	13	02	F1B	RUS	REA4			fast reversals
DARC	7018,0	1644	01	02	F1A	RUS	REA4 RUS Airforce			reversals, location of tx-er is Moscow
DARC	7020,0	1032	15	02	A3E		UiBC			unid BC

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7027,0	vt	07	02	XXX		UiMUX			audio tone buzzer heard 0735 - 0826
DARC	7027,0	0614	20	02	F1B		UiPTR	100	850	unid printer
DARC	7029,0	1614	14	02	A3E		UiBC			Russian px, S9, found // 7115
DARC	7029,0	vt	15	02	A3E		UiBC			Russian px heard 1613 - 1648, S9, found // 7115
DARC	7029,0	1005	10	02	J7D	RUS	UiMUX			12 tone system AT-3004-D
DARC	7029,0	1619	15	02	A3E		UiBC			Russian px
DARC	7032,0	0631	05	02	J7D	RUS	UiMUX			12 tone system AT-3004-D
DARC	7032,0	vt	vd	02	FSK8	US- MIL	UiMUX			ALE, selcalls 3211, 3341, 8035 - is US MIL
DARC	7033,0	vt	vd	02	FSK8	M.Ea	UiMUX			ALE, selcalls SBR, PMR, 5GS - is US MIL Middle East
DARC	7035,0	1942	13	02	A3E		UiBC			unid BC, IM?
DARC	7035,0	2136	06	02	FSK8		UiMUX			ALE heard
DARC	7035,0	1013	13	02	G7B		UiMUX			frequency hopper
DARC	7038,7	0931	13	02	A1A	UKR	beacon D			beacon Sevastopol heard all month 0931
DARC	7039,0	vt	13	02	A1A	RUS	beacon C			beacon Moscow heard all month 2130 - 0700
DARC	7039,6	0710	01	02	A1A	I	IZ3DVW			by IARU not wanted beacon heard 01 13 at 0710, 1158
DARC	7044,0	1644	01	02	A1A	RUS	REA4			endless dots, location of tx- er is Omsk
DARC	7045,0	1646	01	02	G7B		UiMUX			frequency hopper
DARC	7053,3	1952	06	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7053,3	2132	06	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7055,0	1615	15	02	A3E		UiBC			completely distorted Turkish program, widebandes splatters S 9 + 10 dB, found // 7125
DARC	7055,9	2018	22	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC", heard 17 18 at 1940, 2000
DARC	7059,4	2003	20	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7059,9	2250	13	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7060,0	1102	06	02	F1B	RUS	UiPTR	81	500	unid printer
DARC	7060,6	2045	04	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7060,8	1949	01	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7063,0	2018	02	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7063,6	2030	09	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7065,0	2300	14	02	P0N		UiRAD			unid radar, 44-pulses-per- second, 40 kHz spread
DARC	7066,6	1946	23	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC", heard 17 18 at 1940, 2000
DARC	7070,0	2250	14	02	A3E		UiBC			unid BC, reported to BNetzA KON
DARC	7070,0	vt	vd	02	FSK8	CHN	UiMUX			ALE, selcalls 244, S14, S17 - is PRC-PLA, heard 01 15 at 1811, 1730
DARC	7071,9	1947	17	02	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7092,0	2046	01	02	FSK8		UiMUX			ALE, selcalls 1020, 2011
DARC	7093,0	1843	01	02	A3E	BLR	Radio Belarus			splatters from 7105
DARC	7100,0	1752	13	02	A3E	ERI	Voice of Broad Masses			typical program heard all month 1600 - 2030
DARC	7100,0	2016	05	02	FSK8	CHN	UiMUX			ALE, selcalls OTK12, ONP8, OTT4 - PRC-PLA
DARC	7130,0	1609	14	02	JAM	CHN	Hainan			roaring Chinese temple



CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
							Music Jammer			music to jam other BC - heard 05 - 14 at 1600 - 1800
DARC	10112,0	0708	01	02	G7B	TUR	UiMUX			STANAG-4285, D8PSK, 2k4, is TUR MIL
DARC	10114,8	0709	dly	02	F1B	RUS	UiPTR	96	1000	unid printer system CIS-14
DARC	10125,0	1953	08	02	FSK8	ALG	UiMUX			ALE, selcalls TRP, MAZ - is ALG MFA
DARC	10132,0	1032	19	02	FSK8		UiMUX	125		RACAL Skyfax-MSM 1250, 8 x 125 Bd
DARC	10134,0	1358	20	02	FSK8	M.Ea	UiMUX			ALE, selcalls TC2135, TC111 - is US MIL M. East
DARC	10150,0	1550	10	02	MFSK	RUS	UiMUX			RUS multitone CROWD-36
DARC	10150,0	1551	10	02	G7B		UiMUX			frequency hopper
DARC	10150,0	1448	14	02	MFSK	CIS	UiMUX			CIS-36 (= CROWD-36), multitone
DARC	14000,0	1327	02	02	FSK	EGY	UiMUX	300	820	FSK, Egyptian Telemetry
DARC	14000,0	1244	08	02	G7B		UiMUX			frequency hopper
DARC	14000,0	1627	11	02	A3E	ISR	Mossad			female voice "Yankee Hotel Foxtrot"
DARC	14000,0	0916	25	02	N0N		UiCAR			long lasting carrier
DARC	14001,0	1111	14	02	N0N	I	UiCAR			2 carriers: 14001 and 14001,6 - Sicily Island
DARC	14001,0	1157	21	02	N0N		UiCAR			2 carriers: 14000 and 14001 at the same time
DARC	14003,0	0813	06	02	N0N		UiCAR			long lasting carrier
DARC	14004,5	vt	vd	02	FSK8		UiMUX			unid CLOVER-2000, QTE 180 degs., heard 13 14 at 1521, 1527
DARC	14006,0	0816	16	02	XXX		UiMUX			rushing noise
DARC	14006,0	1017	16	02	J7D	RUS	UiMUX			12 tone system AT-3004-D
DARC	14010,0	1103	24	02	F1B	RUS	UiPTR	50	250	unid printer, system CIS-50-50
DARC	14050,0	0811	08	02	XXX		UiMUX			rushing and hissing noise
DARC	14065,0	0840	14	02	XXX		UiMUX			audio tone buzzer heard 0735 - 0826
DARC	14065,0	1156	21	02	J7D	RUS	UiMUX			12 tone system AT-3004-D
DARC	14066,0	1002	14	02	J7D	RUS	UiMUX			12 tone system AT-3004-D
DARC	14080,0	1609	20	02	A3E	MRC	Radio Svoboda			Ru px, IM of 9770 and 11925, tx-ers are located Area of Brieich, Morocco
DARC	14080,0	vt	vd	02	A3E		UiBC			heard all month 1614 - 1631, 25 reports
DARC	14090,0	0840	14	02	XXX		UiMUX			audio tone buzzer heard 0735 - 0826
DARC	14090,0	0850	06	02	XXX		UiMUX			multiplex rushing noise
DARC	14091,0	1002	14	02	J7D	RUS	UiMUX			12 tone system AT-3004-D
DARC	14092,0	0751	05	02	A1A	RUS	UiCW			5F Cyrillic, S9+ signal
DARC	14092,0	vt	dly	02	FSK4	CHN	UiMUX	4 x 100		PRC4-FSK, 4 x 100 Bd - heard 01 02 at 0705, 0913
DARC	14104,0	0932	13	02	F1B	RUS	UiPTR	81	250	system 81
DARC	14115,0	1050	10	02	FSK8	CHN	UiMUX			ALE, selcalls 944, 875, 638 - is PRC-PLA from China
DARC	14116,0	0808	07	02	F1B		UiPTR			unid printer
DARC	14118,0	0902	10	02	F1B		UiPTR			unid printer
DARC	14120,0	0828	13	02	XXX		UiMUX			audio tone buzzer heard 0735 - 0826
DARC	14120,0	0912	25	02	F1B	RUS	UiPTR	81	250	unid printer system 81
DARC	14208,0	0808	07	02	F1B		UiPTR			unid printer
DARC	14212,0	0808	07	02	F1B		UiPTR			unid printer
DARC	14240,0	0707	01	02	F1B	RUS	UiPTR	75	250	unid printer
DARC	14245,0	0742	10	02	A3E		UiBC			Greek px and mx, other than 14330 - heard 0742 - 0800

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14268,0	0837	19	02	F1B		UiPTR			unid printer
DARC	14270,0	0840	14	02	XXX		UiMUX			rushing noise
DARC	14274,0	0935	10	02	XXX		UiMOD			humming noise
DARC	14294,0	0806	17	02	XXX		UiMUX			multiplex rushing noise
DARC	14300,0	0557	09	02	A3E	RUS	Voice of Russia World Service			harmonic from 7150
DARC	14304,0	0828	13	02	F1B		UiPTR			unid printer
DARC	14350,0	1513	05	02	G7B		UiMUX			frequency hopper
DARC	14350,0	vt	10	02	A3E		UiBC			Greek px and mx very much distorted, QSA4-5, heard 0742 - 0930 s/off - reported to KON
DARC	14350,0	vt	vd	02	A3E	ROU	Radio Romania			harmonic from 7175, heard 01 06 11 at 1533, 1445, 1513
DARC	18070,0	1246	01	02	P0N	G / CYP	British OTH-Radar			25-Hz-system (= 25 pulses per second)
DARC	18074,0	1406	14	02	G7B		UiMUX			frequency hopper
DARC	18095,0	0908	12	02	G7B		UiMUX			frequency hopper
DARC	21010,0	1946	23	02	G7B		UiMUX			frequency hopper
DARC	21040,0	1134	12	02	G7B		UiMUX			frequency hopper
DARC	21135,2	1308	02	02	FSK8	IRQ	UiMUX			ALE, selcalls 640, 6403, 6047 - is Iraqi MIL Mossul
DARC	21270,0	1428	07	02	G7B		UiMUX			frequency hopper
DARC	21300,0	0811	07	02	P0N	G / CYP	British OTH-Radar			chirping pulses 25 Hz system 30 kHz spread
DARC	21320,0	1001	01	02	P0N	G / CYP	British OTH-Radar			25-Hz-system (= 25 pulses per second)
DARC	21440,0	0906	12	02	F1B	RUS	UiPTR	81	500	system 81 – harmonic!

### MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
MRASZ	7000,0	0-24	dly	02		Unid	ALE	125	1750	
MRASZ	7004,0	1043	25	02	Unid	UiMUX	G7D			
MRASZ	7010,0	0-24	dly	02		Unid	ALE			
MRASZ	7010,0	1840	25	02	Unid	UiBC	A3E			Male, uniden language
MRASZ	7017,5	0-24	dly	02	RUS	REA4	F1B	50	250	
MRASZ	7038,7	0-24	dly	02	UKR	D	A1A			beacon
MRASZ	7039,0	0-24	dly	02	RUS	C	A1A			beacon
MRASZ	7044,5	1621	04	02	RUS	REA4	F1B	50	250	
MRASZ	7098,0	1848	17	02	RUS	REA4	F1B	50	250	

### RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	10140 +/-10 kHz	1440-1600	dly	02	AUT	Trans World Radio	A3E	Wideband noise, no modulation. Baldock informed Austrian authorities. Action promised.

## SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	Mode	BD	SH	REMARKS
SRAL	7018,0	1540	26	2		UiMUX	F7			
SRAL	7018,0	1100-2100	dly	2	RUS	REA4	F1B/A	50	1000	mainly reversals
SRAL	7026,5	1330-1500	1	2		UiMUX	F7			
SRAL	7026,5	1330-1500	10	2		UiMUX	F7			
SRAL	7038,7	0430-2100	9 - 28	2	UKR	D	A1A			Sevastopol
SRAL	7039,0	h24	dly	2	RUS	C	A1A			Moscow
SRAL	7044,0	1130-1800	dly	2	RUS	REA4	F1B			sync. with 7018 kHz
SRAL	7050,0	0550	25	2		UiMR	A1A			5BL
SRAL	7076,0	1500-1530	21	2		UiVFT	F1B		400	
SRAL	7099,0	1505	22	2		UiMR	A1A			5BL
SRAL	7100,0	1800-2100	dly	2	KRE	Voice of Korea	A3E			
SRAL	7100,0	*	dly	2	ERI	VoBME	A3E			0330 to 0530 & 1400 to 1800

## Veron – Netherlands – Part 1- PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
VERON	3593,6	19.45	20	2	RUS	P	A1A			beacon Kaliningrad
VERON	3737,0	20.05	6	2	UK	UiILL	J3E-u			British fishery (allowed)
VERON	7018,0	17.17	**	2	RUS	REA4	F1B		1000	Revs, 4 days, Airforce Moscow, 19.38 utc
VERON	7018,0	15.41	26	2	RUS	REA4	F1A		1000	5F=rea4k, followed by Revs
VERON	7038,7	06.54	**	2	UKR	D	A1A			1738 utc, beacon Sevastopol, 17 days
VERON	7038,9	24H	**	2	RUS	C	A1A			cluster beacon loc. Moscow, 18 days
VERON	7040,0	19.00	16	2	OK	OK0EU	A1A			beacon
VERON	7040,0	17.38	22	2	Italy	IZ3DVW	A1A			beacon, also 27-2 20.24 utc
VERON	7044,0	15.37	**	2	RUS	REA4	A1A			19.10 utc, 2 days, dotter
VERON	7050,0	06.58	23	2	CIS	UiCW	A1A			5BL
VERON	7062,8	17.28	27	2	CHN	L9CC	A1A			CP17 de L9CC V (roundslip)
VERON	7066,0	17.44	21	2	CIS	LDBO	A1A			5BL
VERON	7067,1	15.57	23	2	CHN	L9CC	A1A			CP17 de L9CC V (roundslip)
VERON	7088,0	16.13	26	2		UiCW	A1A			strings of cyrillic morse
VERON	14000,0	13.14	27	2	ISR	4XZ	A1A			VVV de 4XZ, QTC, 5L
VERON	14092,0	10.22	20	2	RUS	RGT77	A1A			288=5BL
VERON	14104,0	09.50	19	2	CIS	UiPtr	F1B	81	250	Ptr
VERON	14104,0	15.00	17	2	CIS	UiPtr	F1B		250	Ptr



**The “Wolf” does not like intruders...**

## **IARUMS Region 1**

**Manual2005, Monitoring Template, WAV-files, Fishery Buoys on 10m, Latest Intruder News, Co-ordinator´s Corner, Monthly Overview, Important Links, Contacts, Gallery, History of IARUMS Region 1, ITU Informations, the Story of Ron Roden´s Life, Successful Actions and Soundfiles are available on:  
<http://www.iarums-r1.org>**

# **The monitoring team of IARU Region 1**

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