



International Amateur Radio Union



Region 1

Monitoring System

- IARUMS Region 1 -

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The monthly newsletter for Region 1

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Acknowledgements

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++ 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

Screenshots and measurements: **DK2OM** with Wavecom decoders

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Part 1: News and Infos

1. UNIFIL MTF net on 14055 kHz - USB

UNIFIL = United Nations Interim Force in Lebanon – MTF = Maritime Task Force
The UNIFIL MTF ships and the Lebanese Navy used 14055 kHz USB for daily voice traffic. We heard ship names, ship positions and other details more. The net was audible in whole Europe and parts of Africa. DJ9KR sent a complaint to the German Navy Headquarter and the UNIFIL commander in Lebanon. OD5TE contacted his national authorities in Lebanon. It happened that the voice traffic was interferred by radio amateurs, who were not informed about this important mission (Contest situation). Another frequency out of our exclusive bands would be much better for clear traffic.

The UNIFIL fleet in the East Mediterranean Sea



Source: www.einsatz.bundeswehr.de/

2. 14005 kHz – SOH and Hainan jammer still active in August

Sound of Hope (BC from Taiwan) and the Chinese jammer were daily audible on 14005 kHz, not regarding the numerous complaints!

3. 14046.630 kHz - MFA Cairo with embassy traffic

MFA Cairo does not respect exclusive amateur bands since many years. In August they occupied 14046.700 kHz for embassy traffic with Pyongyang (Democratic Republic of North Korea), transmitting in Sitor A/B and Codan 9001 daily after 1300 utc. The German PTT has been informed.

4. Codar HF Radar on 24 MHz from Naples / Italy – no change!

IK8OZZ (Luigi) and DJ9KR (Uli) tried to give their best to stop this terrible interference on 24 MHz.

The German PTT (BNetzA) sent an official complaint to the Italian authorities. Many thanks dear Luigi and Uli and of course grateful words to the German BNetzA, too! We found out that our complaints were not observed until the end of August. **The system is still running. We are not amused!**

For further infos visit the Codar Info Site:

<http://www.codaros.com/>

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

Homepage IARUMS Region 2 **not available at this time!**

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

Part 2: Detailed reports from the national Co-ordinators

DD = day *** MM = month *** dly = daily *** vt = various times *** vd = various days *** pps = pulses per second (radar systems) *** BD = Baud *** SH = Shift *** Mode = mode of transmission *** A3E = AM *** A1A = CW *** J3E-U = USB *** J3E-L = LSB *** FSK (F1B) = frequency shift keying *** PSK = phase shift keying *** MPSK12 (J7D) = 12 channel phase shift keying *** ALE (MIL-188-141A) = automatic link establishment *** MUX = multiplex *** Ui (uniden) = unidentified *** Illicit = illegal *** UiILL = unidentified illegal *** BC = broadcast *** MIL = military *** PTR = printer *** NGO = non governmental organization *** ITU = ITU country abbreviation *** PRC = People's Republic of China *** PLA = People's Liberation Army *** MFA = Ministry of Foreign Affairs *** MOPO = Ministry of Public Order *** IARUMS = IARU Monitoring System

ARSK MONITORING REPORT FOR AUGUST, 2008

Propagation remained poor locally, particularly before midday, but may show signs of improving slowly. Despite the fighting in southern Somalia there were as always numerous stations operating there, usually on 40 meters USB but a few on LSB, and one was heard calling Garissa on 7069 KHz. No reply was identified but it was thought to have been in contact.

Francophone Africa and Sudan stations filled the 40 meter band also, as is normal. A course for Southern Sudan staff concerned with radio and spectrum administration has been held in Nairobi, but any improvement in Sudan is probably too much to expect for the time being.

We have informed CCK of the UNIFIL intruders using USB on 14055 KHz for shipping control in the eastern Mediterranean area of Beirut. The net was heard in Nairobi but signals were not strong.

The only broadcast intruder with which we are concerned is Voice of the Broad Masses on 7100 KHz, of Eritrea, which shrugs off and ignores all complaints.

My thanks for input to this report.

E.H.M. Alleyne, 5Z4NU --- ARSK National IARUMS Co-ordinator

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	6999.0	vt	dly	8	ETH?	UiPHONE	J3E	Amharic. Spreads into 40 m. band.
ARSK	6999.0	vt	dly	8	KEN? UGA? TZA?	08, 15, 16, 20, 23, 24, 25, 26, 27, 32, 35, 38, 43, 60, 62, 64, 66,	J3Eu	Spreads into 40 m band. Traffic appears to be details of air movements over East and Central Africa. No positive identification.
ARSK	7000.0	vt	*	8	SOM	Boccaro, Bossasso	J3E	Somalis. *13,
ARSK	7001.0	1156	15	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7008.0	vt	dly	8	SDN	ET, M7, M10, M18, M21, M22, M125, 35,58, 32, CM, WL2	J3E J3Eu	English, vernaculars, verbal Morse.Selcal. SPLA. Both sidebands used. Also uses 6877 KHz. USB.
ARSK	7009.0	vt	*	8	SOM	UiPHONE	J3Eu	Somalis.*18,23,.
ARSK	7010.0	vt	*	8	SOM	UiPHONE	J3Eu	Somalis.*14,
ARSK	7011.0	0550	25	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7012.0	vt	dly	8	SOM	Kismayu, Afmadu, Dobleh, Baidoa?	J3Eu	Somalis, SelCal. Some KiSwahili, prob. Bajuni.
ARSK	7016.0	0615	30	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7017.0	vt	*	8	SOM	Dobleh	J3Eu	Somalis.*15,18,
ARSK	7019.0	vt	*	8	SOM	UiPHONE	J3Eu	Somalis. *15,23,
ARSK	7020.0	0547	21	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7024.0	vt	*	8	SDN?	UiPHONE	J3Eu	Nilotic language. SPLA? *9,21,
ARSK	7025.0	vt	*	8	SOM	UiPHONE	J3Eu	Somalis.Phonepatching. *13,23,30,
ARSK	7026.0	1537	14	8	SDN	Twiga, CE, MA, WS, K3, Tembo,	J3Eu	English, NGO.
ARSK	7027.0	1159	15	8	ZAI	UiPHONE	J3Eu	French, vernacular. Selcal.
ARSK	7028.0	0527	23	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7031.0	0550	20	8	SOM	Baidoa	J3Eu	Somalis.
ARSK	7033.0	1200	15	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7035.0	vt	dly	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7037.0	0545	21	8	SOM	UiPHONE	J3Eu	Somalis.

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	7045.0	vt	*	8	SOM	UiPHONE	J3Eu	Somalis. *23,
ARSK	7045.0	vt	dly	8	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4, WL5, WL6, WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe, Kalulu	J3E J3Eu	Vernacular, Dholuo? English, phonetics. SelCal. Sudan, NGO, SPLA or SNLA? Sends messages in phonetic five letter groups, probably a single-substitution cypher. Once heard sendig five letter code groups, presumably encrypted mssage.
ARSK	7046.0	0543	21	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7048.0	0520	29	8	SOM	UiPHONE	J3E	Somalis.
ARSK	7048.0	vt	dly	8	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B3, B7, B8, B9, B15, CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA? Some Arabic heard.
ARSK	7049.0	0551	25	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7050.0	0552	25	8	SDN?	AW,	J3E	English. NGO?
ARSK	7052.0	0553	25	8	ETH	UiPHONE	J3Eu	Amharic.
ARSK	7056.0	0625	9	8	SOM	Galkayo	J3Eu	Somalis.
ARSK	7057.0	vt	dly	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7061.0	vt	*	8	SOM	UiPHONE	J3E	Somalis. *20,23,
ARSK	7062.0	0617	30	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7065.0	0544	21	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	dly	8	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	7068.0	0520	14	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7069.0	0653	27	8	SOM KEN	UiPHONE	J3Eu	Somalis. Calling Garissa & Baidoa. Garissa is thought to have answered.
ARSK	7070.0	vt	dly	8	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal.
ARSK	7075.0	0839	18	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7075.0	vt	*	8	ZAI	UiPHONE	J3Eu	French, vernacular. *20,23,
ARSK	7080.0	1216	20	8	ZAI	UiPHONE	J3Eu	French.
ARSK	7082.0	0618	30	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7089.0	1217	20	8	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7092.0	0620	*	8	SOM	UiPHONE	J3Eu	Somalis.*30,
ARSK	7100.0	vt	dly	8	ERI	VOBM	A3E	Voice of the Broad Masses, Eritrea, broadcast.
ARSK	14055.0	1745 0520	30 31	8	LBN	UNIFIL, var. calls.	J3Eu	UNIFIL, Lebanon & Beirut port. Message traffic, ship positions, idents etc. .

DARC – Germany – Part 1 – DJ9KR (Ui) / DK2OM (Wolf)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3500,0	1845	10	08	J3E-U	F	UiILL	French fishery
DARC	3500,0	0648	18	08	J3E-U	F	UiILL	pirates
DARC	3500,0	2103	20	08	J3E-U	G	UiILL	Walisian fishery
DARC	3500,0	vt	vd	08	J3E-U	E	UiILL	Spanish fishery using CRY-2001 vocoder, heard 02 09 29 at 1812, 1641, 0733
DARC	3500,0	vt	vd	08	J3E-U	HOL	UiILL	Dutch pirates heard 04 05 at 1908, 1836
DARC	3510,0	2003	30	08	J3E-U	E	UiILL	Spanish fishery using CRY-2001 vocoder, heard 02 09 29 at 1812, 1641, 0733
DARC	3512,0	1838	24	08	J3E-U	G	UiILL	British fishery
DARC	3515,0	2209	01	08	J3E-U	E	UiILL	Spanish fishery - using CRY-2001 vocoder
DARC	3520,0	0816	25	08	J3E-U	E	UiILL	Spanish fishery, using CRY-2001 vocoder

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3520,0	vt	vd	08	J3E-U	E	UiILL	Spanish fishery heard 01 04 at 2019, 2011 - using CRY-2001 vocoder
DARC	3525,0	0655	15	08	J3E-U	E	UiILL	Spanish fishery
DARC	3535,0	0654	15	08	J3E-U	F	UiILL	French pirates, USB used
DARC	3535,0	2001	18	08	J3E-U	E	UiILL	Spanish fishery
DARC	3535,0	1925	23	08	J3E-U	E	UiILL	Spanish fishery
DARC	3540,0	2051	04	08	J3E-U	G	UiILL	Walisian fishery
DARC	3540,0	1850	05	08	J3E-U	F	UiILL	French pirates, USB used
DARC	3542,0	1922	12	08	J3E-U	N.Eu	UiILL	Scandinavian language
DARC	3550,0	0730	02	08	A3E	F	French Lis Amateurs	French Amateurs, not conform to IARU bandplan: No A3E in this range
DARC	3550,0	0556	13	08	A3E	F	French Lis Amateurs	not conform to IARU bandplan
DARC	3550,0	vt	vd	08	A3E	F	French Lis Amateurs	daily heard 0600 - 0730 - is in contradiction to IARU BANDPLAN - only CW in this range
DARC	3565,0	1835	05	08	J3E-L	RUS	UiILL	male person with announcements in Russian voice
DARC	3566,0	1832	10	08	J3E-L	RUS	UiILL	Russian voice
DARC	3566,0	1720	26	08	J3E-L	HRV	UiILL	male person in Serbo-Croatian voice, spelling messages
DARC	3580,0	0949	23	08	J3E-U	F	UiILL	French pirates, USB used
DARC	3585,0	2027	04	08	J3E-U	HOL	UiILL	Dutch pirates
DARC	3585,0	2130	05	08	J3E-U	E	UiILL	Spanish fishery using CRY-2001 vocoder
DARC	3585,0	2001	28	08	J3E-U	HOL	UiILL	Dutch pirates
DARC	3590,0	1949	23	08	J3E-U	E	UiILL	Spanish fishery
DARC	3590,0	vt	vd	08	J3E-U	E	UiILL	Spanish fishery heard 01 05 at 2002, 2134 - using CRY-2001 vocoder
DARC	3595,0	1748	23	08	J3E-U	E	UiILL	Spanish pirates
DARC	3600,0	1419	02	08	J3E-U	F	UiILL	French pirates, USB used
DARC	7000,0	1816	10	08	J3E-U	E	UiILL	Spanish fishery
DARC	7000,0	1636	25	08	J3E-U		UiILL	unid pirates
DARC	7000,0	0950	27	08	J3E-U	G	UiILL	British fishery
DARC	10101,0	1543	29	08	J3E-U	S.As	UiILL	pirates in Hindi voice
DARC	10120,0	2210	30	08	J3E-U	INS	UiILL	Indonesian male net
DARC	10130,0	0841	21	08	J3E-U	F	French Lis Amateurs	not conform to IARU bandplan
DARC	10132,0	0937	14	08	J3E-U	F	French Lis Amateurs	not conform to IARU bandplan
DARC	10137,0	0935	07	08	J3E-U	F	French Lis Amateurs	French Amateurs, not conform to IARU bandplan: No SSB in this section
DARC	10137,0	0947	14	08	J3E-U	F	French Lis Amateurs	not conform to IARU bandplan
DARC	10150,0	0910	22	08	J3E-U	E	UiILL	Spanish fishery, mentioning "Malaga"
DARC	13999,0	vt	vd	08	J3E-U	I	UiILL	Italian pirates re-transmitting RAI signal, spluttering up - heard 06 10 13 at 1822, 1309, 1646
DARC	14000,0	1141	02	08	J3E-U	F.Ea	UiILL	pirates, possibly from Indonesia
DARC	14000,0	vt	05	08	J3E-U	E	UiILL	2 male persons in Spanish, „Barco“ mentioned (fishery), heard 0920 – 0925 – left QRG with excuses
DARC	14000,0	1634	12	08	A3E	ISR	Mossad	synthetic female voice
DARC	14000,0	1045	24	08	J3E-U	F.Ea	UiILL	pirates
DARC	14000,0	vt	vd	08	J3E-U	B	UiILL	pirates
DARC	14001,0	1150	02	08	J3E-U		UiILL	pirates, Hindi language?
DARC	14001,4	1248	07	08	J3E-U	CLN	UiILL	fishery traffic
DARC	14014,0	1430	26	08	J3E-U	F.Ea	UiILL	2 male voices
DARC	14015,0	vt	24	08	J3E-U	MRC	ship "KENZA-2"	2 Moroccan fishery vessels, Ops Khalid and Adil - one OP has a shrieky voice - heard 1507 - 1513
DARC	14030,0	1300	29	08	J3E-U	S.As	UiILL	pirates possibly Hindi language
DARC	14055,0	0850	08	08	J3E-U	LBN / M.Ea	UNIFIL Net MV Wappen von	OP of MV „Wappen von Hamburg“ talking on 14055 kHz, reporting „Man Over Board“

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
							Hamburg	
DARC	14055,0	1932	08	08	J3E-U	LBN / M.Ea	UNIFIL Net OC, MIO	calls and traffic
DARC	14055,0	vt	08	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO, E6, MV Wappen- von- Hamburg	emergency traffic: MV „Wappen von Hamburg“ reporting „Man Over Board“, position 33 21 N – 035 02 E, traffic heard 0850 - 0957
DARC	14055,0	1225	09	08	J3E-U	LBN / M.Ea	UNIFIL Net C1, S1	English traffic, mentioning vessel „Morning Saga“
DARC	14055,0	vt	09	08	J3E-U	LBN / M.Ea	UNIFIL Net with MIO, N1, S1, OC	English traffic, calls, heard 0626 – 0853 „radio check“, reporting position and speed of targets in Medit. Sea - N1 is French frigate ACONIT, hull nr. F713
DARC	14055,0	0708	10	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	C1 calling MIO „MIO, this is C-1“
DARC	14055,0	1144	10	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	„MIO, this is Charlie-1 – over“
DARC	14055,0	1155	10	08	J3E-U	LBN / M.Ea	UNIFIL Net OC	„MIO, this is Oscar Charlie – over“
DARC	14055,0	vt	10	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	calling C1, S1, OC, N1, 1138 – 1155
DARC	14055,0	0856	11	08	J3E-U	LBN / M.Ea	UNIFIL Net, Charlie-1	„MIO, this is Charlie-1, radio check – over“
DARC	14055,0	0857	11	08	J3E-U	LBN / M.Ea	UNIFIL Net Sierra- 1	„MIO, this is Sierra-1, radio check – over“
DARC	14055,0	0907	11	08	J3E-U	LBN / M.Ea	UNIFIL Net	„November-3, this is November-1 – over“
DARC	14055,0	1025	11	08	J3E-U	LBN / M.Ea	UNIFIL Net	„Oscar Charlie, this is MIO- over“
DARC	14055,0	1036	11	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Sierra-1, this is MIO fo radio check – over“
DARC	14055,0	1036	11	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Oscar Charlie, this is MIO for radio check-over“
DARC	14055,0	1037	11	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	„MIO, this is Charlie-1“
DARC	14055,0	1040	11	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Sierra-1, this is MIO for radio check“
DARC	14055,0	1041	11	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Oscar Charlie, this is MIO for radio check-over“
DARC	14055,0	0814	12	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Sierra-1, this is MIO – over“
DARC	14055,0	1059	12	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Charlie-1, this is MIO for radio checkr“
DARC	14055,0	1106	12	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	„MIO, this is Charlie-1 – over“, mentioning Greek ship „ASFALTAR“ from Piraeus to Beirut“
DARC	14055,0	1156	12	08	J3E-U	LBN	UNIFIL	„MIO, this is Charlie-1 – over“

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
						/ M.Ea	Net C1	
DARC	14055,0	1204	12	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	„MIO, this is Charlie-1 – over“
DARC	14055,0	1216	12	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO, C1	„MIO, this is Charlie-1 – over“
DARC	14055,0	1448	12	08	J3E-U	LBN / M.Ea	UNIFIL Net TB, S1	„Tango Bravo, this is Sierra-1, over“
DARC	14055,0	1927	14	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	„MIO, this is Charlie-1 – over“
DARC	14055,0	1930	14	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	„MIO, this is Charlie-1 – over“
DARC	14055,0	1934	14	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	„MIO, this is Charlie-1 – over“
DARC	14055,0	1125	15	08	J3E-U	LBN / M.Ea	UNIFIL Net	station calling „K2“
DARC	14055,0	1932	15	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Oscar Charlie, this is MIO - over“
DARC	14055,0	vt	15	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Charlie-1, this is MIO for radio check“, reporting motor vessel „Cala Panama from Latakia to Beirut“, heard 1116 - 1142
DARC	14055,0	1024	16	08	J3E-U	LBN / M.Ea	UNIFIL Net C1	„MIO, this is Charlie-1 – over“, reporting „POTASSO“
DARC	14055,0	1024	16	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	reporting „MV SELAATA“
DARC	14055,0	1321	16	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	„Charlie-1, this is MIO“
DARC	14055,0	1737	16	08	J3E-U	LBN / M.Ea	UNIFIL- Net MIO, Z1	„MIO to Z1: „I read you loud and clear“
DARC	14055,0	vt	16	08	J3E-U	LBN /M.Ea	UNIFIL Net MIO	station“ MIO“ reporting „AF0129MG“ ship „AL MOSTAFA“; AF013MC ship „ICE SUN“ position 304 BB 1; AF034MG ship „LURIYAN“ position 138 FF 4, from Haifa to Limassol“, heard 1315 – 1321 – also responding to amateur radio station
DARC	14055,0	vt	16	08	J3E-U	LBN / M.Ea	UNIFIL Net MIO	MIO calling stations of net, heard 0930 – 0945 – reporting „AF0127MG ship „SAN...???“ (0930) – heavy interference by amateur radio stations in CW contest
DARC	14055,0	vt	17	08	J3E-U	LBN / M.Ea	UNIFIL- Net C1, N1	„Sierra-1, this is Charlie-1 – over“ „November-1, this is Charlie-1“ „Charlie-1, this is November-1“ (1656 – 1658)
DARC	14055,0	vt	17	08	J3E-U	LBN / M.Ea	UNIFIL- Net MIO, C1	„C1, this is MIO – over“ C1: „I read you very weak“ „A1712 1200 will be passed by alternative way“ (heard 0923 – 0928)
DARC	14055,0	vt	29	08	J3E-U	LBN / M.Ea	UNIFIL- Net MIO, C1, E7, E17	C1 calling MIO. Mentioning E17, fine English voice, no native speaker. Mentioning "They have no food" and "location 185 Bravo Bravo 4 decimal 5" - heard 1225 - 1230
DARC	14055,0	vt	29	08	J3E-U	LBN / M.Ea	UNIFIL- Net MIO, C1	"This is MIO, stand by" "friendly Whisky Papa" - heard 1810 - 1958
DARC	14055,0	vt	29	08	J3E-U	LBN / M.Ea	UNIFIL- Net MIO,	after request by AT-station to leave the frequency "switch to X-Ray-Blue" - heard

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS	
						M.Ea	C1	1708 - 1715	
DARC	14055,0	vt	29	08	J3E-U	LBN / M.Ea	UINIFIL-Net MIO, C1	"contact ODF5 in position 061GG9 decimal 3", mentioning ships "Mara", "Ahmad-Z", "Captain Murad", also cites Beirut and Tartus - heard 1806 - 1819	
DARC	14055,0	vt	30	08	J3E-U	LBN / M.Ea	UINIFIL-Net MIO, C1	active at various times all day	
DARC	14055,0	vt	31	08	J3E-U	LBN / M.Ea	UNIFIL-Net MIO, C1, N1	heard 0520, 0912-0925, 13323 - 1345 - C1 says: "Turkish friend 0005 position 166FF05 - over" - C1 at 1345 to Italian Radio Amateur: "This frequency belongs to the Lebanese Navy"	
DARC	14099,8	vt	07	08	J3E-U	E	fishing vessel „Antonio 1“	OP Francisco, port of registration of vessel is Alicante, in contact with other fishing vessel, responding to AT station, heard 1728 – 1732 – QTE Atlantic Ocean - „Coruna para 5“ and leaving the frequency	
DARC	14100,0	1703	27	08	J3E-U	E	UiILL	Spanish fishery	
DARC	14101,0	1150	02	08	J3E-U	INS	UiILL	pirates, possibly from Indonesia	
DARC	14303,0	1701	27	08	J3E-U	KOR	UiILL	Korean ships in Atlantic	
DARC	18083,0	0832	24	08	J3E-U	CLN	UiILL	pirates from Sri Lanka	
DARC	21000,0	1758	18	08	J3E-U	E	UiILL	unid pirates, roger beep, Spanish voice	
DARC	21000,0	vt	vd	08	J3E-U	E	UiILL	Spanish fishery, OP Juan, heard 17 - 19 at 1933, 0913, 1915, 1050	
DARC	21060,0	vt	22	08	J3E-L	E	UiILL	Spanish language, 2 male persons, heard 0838, 0926, 1508, 1841	
DARC	21060,0	vt	vd	08	J3E-L	E	UiILL	Spanish fishery, LSB operation, heard 21 22 23 at 1745, 0803, 1530	
DARC	21140,0	1504	17	08	J3E-U	RUS	UiILL	pirates in Russian voice	
DARC	21222,2	1645	17	08	J3E-U	MRC	UiILL	2 male persons in Arabic and French	
DARC	28000,0	h24	dly	08	F3E	CIS	UiILL	Russian and CIS taxis, daily 28000 - 29700 kHz	
DARC	28025,0	1056	21	08	A3E	E	UiILL	Spanish CB-ers	
DARC	28035,0	1432	06	08	A3E	E	UiILL	Spanish male persons	
DARC	28055,0	1719	05	08	A3E	E	UiILL	Spanish male persons	
DARC	28135,0	0808	06	08	A3E	E	UiILL	Spanish male persons	
DARC	28155,0	1432	06	08	A3E	E	UiILL	Spanish male persons	
DARC	28205,0	1719	05	08	A3E	E	UiILL	Spanish male persons	
DARC	28215,0	1838	17	08	A3E	I	UiILL	Italian pirates from Naples area	
DARC	28245,0	0737	19	08	A3E	E	UiILL	Spanish CB-ers	
DARC	28390,0	0811	29	08	F3E	IRL	UiILL	Ops Barney and Barry, 2 hrs from Dublin, English voice	
DARC	28510,0	0840	29	08	F3E	G? IRL?	UiILL	2 male persons in English voice, no hams	

DARC – Germany – Part 2 – DK2OM (Wolf) / DJ9KR (Uii)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	1810,0	1930	26	08	A3E	PLN	"Polish Pip"			5 + 5 tones on USB and LSB, location Koszalin, North Poland, about 8 kHz wide!
DARC	3500,0	1755	20	08	G7B		UiMUX			frequency hopper
DARC	3501,0	1834	11	08	F1B	UKR	UiPTR	81	250	unid printer
DARC	3503,0	1820	10	08	J7D	UKR	UiMUX	120		MPSK-12, AT-3004-D, 12 x 120 Bd
DARC	3503,0	2000	26	08	G7B	ISR	UiMUX	2k4		ISR Navy, MIL-188-110 A, hybrid modem
DARC	3503,0	2205	26	08	FSK8	ALG	UiMUX	125	1750	ALE, selcalls BK23, ZT20, ND25, possible ALG
DARC	3503,5	1949	26	08	FSK8	G	UiMUX	125	1750	ALE, selcall XSS, is British MIL TASCMM NCS

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										Forest Moor
DARC	3505,0	2143	03	08	FSK8	MRC	UiMUX	125	1750	ALE, selcalls 2221, 2223 - is MRC Oil Net
DARC	3510,0	2003	04	08	CRY	E	UiILL			Spanish fishery with VOCODER CRY-2001
DARC	3510,0	1855	19	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3510,0	1855	26	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3518,0	vt	vd	08	G7D	D	MUX	2k4		Stanag-4285, 2k4, 8PSK, location Hamburg, heard 04 08 at 1309, 1919 - daily
DARC	3522,0	0727	26	08	F1B	I	UiPTR	300	850	system CLANSMAN
DARC	3522,0	vt	vd	08	F1B	I	UiMUX	300	850	system CLANSMAN, heard 18 27 at 1745, 0705
DARC	3530,2	vt	vd	08	J7D		UiMUX			LINK-11, SLEW, unid, heard 25 26 at 2014, 2010
DARC	3531,0	1758	01	08	A1A	BLR	UiCW			only dots, BLR MIL, "dirty" splattery signal
DARC	3533,8	2058	27	08	J7D	HOL	UiMUX			LINK-11, North Sea coast
DARC	3550,0	0730	02	08	A3E	F	French Lis Amateurs			no respect of IARU Band Plan, AM in CW section!
DARC	3553,8	1930	01	08	8PSK	TUR	UiMUX	2k4		STANAG-4285, 2k4, 8PSK, Turkey, permanent
DARC	3555,0	2032	17	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location St. Petersburg
DARC	3560,1	1953	12	08	A3E	KRE	Voice of Korea (North)			daily active
DARC	3565,0	2147	09	08	8PSK		UiMUX	2k4		STANAG-4285, 2k4, 8PSK, unid
DARC	3565,0	1919	20	08	G7B		UiMUX			frequency hopper
DARC	3572,0	1740	01	08	PSK	HOL	UiPTR	100	100	BC-PSK, location Holland
DARC	3574,2	1900	19	08	G7D		UiMUX			LINK-11, SLEW, unid
DARC	3580,0	1950	02	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location border BLR / RUS
DARC	3584,9	2021	26	08	F1C	F.Ea	UiMUX			weather fax, 120 rpm, IOC-576
DARC	3586,5	2106	20	08	ODFM	F	UiMUX	44,5	1600	OFDM 27 tones, location south of Paris
DARC	3586,5	2013	26	08	G7B	F	UiMUX	44,5	1800	OFDM 27 tones, location Bordeaux
DARC	3586,5	vt	vd	08	8PSK	F	UiMUX	2k	2400	8PSK, system RFSM-2000, serial, French MIL, heard 01 27 at 1949, 2057
DARC	3605,0	2012	05	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location N.Ea of St. Petersburg
DARC	3605,0	1925	17	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location St. Petersburg
DARC	3608,0	1904	20	08	F1B	PLN	UiPTR	25		unid printer, location East Poland
DARC	3614,0	2240	05	08	FSK8	F	F4BXW			Amateur-ALE, just info!
DARC	3719,0	1902	20	08	J7D	IRN	UiMUX			AT-3004, MPSK, area of Iran
DARC	3735,0	1842	01	08	F1B	PLN	UiPTR	43	500	unid printer, location nr. Warsaw, Poland
DARC	3735,0	1901	20	08	F1B	PLN	UiPTR	43	500	idling, Poland
DARC	3782,0	2029	04	08	F1B	POR	CTP	75	850	Baudot, POR Navy HQ Lisbon, all day, daily
DARC	3782,5	1843	20	08	J7D	GEO	UiMUX			MPSK-12, AT-3004-D, location Georgia
DARC	3796,0	1839	20	08	F1B	PLN	UiPTR	81	250	unid printer, location North of Warsaw, Poland

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7000,0	2009	10	08	A3E	BLR	Radio Minsk			IM from Radio Belarus, Minsk
DARC	7000,0	1719	28	08	FSK8		UiMUX	125	1750	ALE, selcall 2211, unid
DARC	7020,0	1003	19	08	F1B	RUS	UiPTR	81	250	unid printer, location East of Moscow
DARC	7022,0	1544	22	08	G7B		UiMUX			frequency hopper
DARC	7035,0	1955	26	08	A3E		UiBC			unid BC
DARC	7038,7	ady	dly	08	A1A	UKR	beacon D			located Sevastopol
DARC	7038,8	1958	28	08	A1A	RUS	beacon P Kalinin-grad			daily active
DARC	7038,9	1826	04	08	A1A	RUS	beacon S			beacon Murmansk
DARC	7039,0	0820	01	08	A1A	RUS	beacon C Moscow			located Moscow
DARC	7039,7	1844	01	08	A1A	I	IZ3DVW			private beacon, not coordinated
DARC	7054,0	0754	14	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D
DARC	7054,0	vt	dly	08	F1B	RUS	PTR	50	200	printer and idling, location Nishniy Novgorod
DARC	7070,0	2005	09	08	FSK8	CHN	UiMUX	125	1750	ALE, selcall 288, is CHN PRC net
DARC	7080,0	0616	29	08	A1A		UiCW			5F traffic
DARC	7090,0	1526	10	08	???		UiMUX			unid digital broadband emission, 10 kHz spread
DARC	7090,0	vt	vd	08	A3E	BLR	Radio Belarus			splatters of Radio Belarus on 7105 down till 7090
DARC	7092,0	1929	17	08	A3E	BLR	Radio Belarus			splatters from 7105
DARC	7096,0	0840	21	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location NW Russia
DARC	7100,0	2030	05	08	A3E		UiBC			is active
DARC	7100,0	vt	08	08	A3E	KOR	Radio Korea (North)			French px (1831); typical mx (1931)
DARC	7100,0	2003	26	08	A3E	KOR	Voice of Korea (North)			is audible, // 3560
DARC	7100,0	vt	vd	08	A3E	ERI	Voice of the Broad Masses			Af tribal music daily 1549 - 1729
DARC	7105,0	1442	26	08	JAM	CHN	Firedrake Jammer			is active
DARC	7122,0	vt	vd	08	F1B	RUS	UiPTR	100	200	unid printer heard 05 10 at 0810, 0843
DARC	7130,0	1738	14	08	JAM	CHN	Firedrake Jammer			is active
DARC	7150,0	0754	04	08	FSK8	ROU	UiMUX	125	1750	ALE, selcalls FARAON, CODRU, IZVOR - is Romanian MIL
DARC	7185,0	1738	14	08	JAM	CHN	Firedrake Jammer			is audible
DARC	7185,0	1442	26	08	JAM	CHN	Firedrake Jammer			is active
DARC	7187,0	0730	06	08	G7B		UiMUX			unid broadband signal
DARC	10100,8	0735	02	08	F1B	D	DDK	50	450	German Weather Service, is legal!
DARC	10108,0	0704	20	08	F1B	RUS	UiPTR	50	200	unid printer, location near Moscow
DARC	10112,0	0822	01	08	G7D	TUR	UiMUX			STANAG-4285, 2k4, 8PSK, Turkey, permanent
DARC	10118,0	1740	08	08	F1B	RUS	UiPTR	50	250	unid printer, location nr. Moscow
DARC	10119,0	2208	30	08	FSK8	INS	UiMUX	125	1750	ALE, selcall 279

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	10121,8	1513	02	08	8PSK		UiMUX	2k4		Stanag-4285, 2k4, 8PSK - is ship in Black Sea, near Crimea Peninsula
DARC	10122,8	2045	12	08	8PSK / G7D		UiMUX	2k4		STANAG-4285, 2k4, 8PSK, ship located South of Cape Hoorn
DARC	10126,0	vt	vd	08	J7D		UiMUX	120		MPSK12, AT-3004-D, heard 01 06 at 0821, 0732
DARC	10130,0	1652	03	08	A3E		UiBC			unid BC, IM product
DARC	10130,0	0901	21	08	G7B		UiMUX			frequency hopper
DARC	10133,0	1111	29	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	10133,8	ady	dly	08	F1B	ARS	UiPTR	46.2	160	ARQ-E, daily
DARC	10135,0	1759	07	08	FSK8	ARS	UiMUX	125	1750	ALE, selcalls NAP, NAI - is US MIL, daily
DARC	10142,0	1250	01	08	MFSK	CIS	UiMUX			CIS36, multitone, unid
DARC	10143,0	0752	04	08	F1B	RUS	UiPTR	50	250	unid printer
DARC	10143,0	1740	23	08	F1B	RUS	UiPTR	75	250	unid printer located Kazan
DARC	10145,0	2025	12	08	FSK8	F	F4BXW			French Amateurs, just info!
DARC	10146,7	vt	vd	08	F1B	KRE	MFA Cairo	100	170	SITOR-A, MFA Cairo with Embassy Pyongyang, heard 14 16 at 1500, 1657 - selcall OOVF
DARC	10150,0	1820	09	08	G7B		UiMUX			frequency hopper
DARC	10150,0	vt	vd	08	P0N	G / CYP	Cyprus OTH-Radar			50 pps, heard 03 09 at 1650, 1706
DARC	14000,0	1838	04	08	FSK8	MEa	UiMUX	125	1750	ALE, selcall WNG777
DARC	14000,0	1416	10	08	N0N	TUR	UiCAR			long lasting carrier, location West Turkey near Izmir
DARC	14000,0	0657	15	08	N0N		UiCAR			carrier 120 degs.
DARC	14004,0	1535	20	08	G7B		UiMUX			frequency hopper
DARC	14005,0	vt	05	08	JAM	CHN	Firedrake Jammer			is active 1430 – 1700 s/off
DARC	14005,0	vt	05	08	A3E	TWN	Sound of Hope			is active 1430 – 1700 s/off
DARC	14008,0	vt	vd	08	F1B	RUS	UiPTR	50	250	unid printer heard 11 17 29 at 1000, 0939, 0845 - location West Russia
DARC	14024,0	1017	18	08	G7B		UiMUX			frequency hopper
DARC	14026,0	vt	vd	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location West Russia, heard 01 - 22 at 0718 - 1300, 7 reports
DARC	14028,0	0720	26	08	F1B	RUS	UiPTR	75	250	unid printer
DARC	14036,0	1714	14	08	G7B		UiMUX			frequency hopper
DARC	14037,0	1650	10	08	G7B		UiMUX			frequency hopper
DARC	14038,4	vt	vd	08	F1B	LBY	UiPTR	600	600	DPRK-FSK600/600, location Tripolis, daily
DARC	14040,0	vt	29	08	A3E	RUS	Voice of Russia			IM (S8-signal) of 1) 13670 2) 13855 - knitting pattern: 13855 x 2 minus 13670 = 14040 - heard 1750 - 1800 s/off
DARC	14045,0	vt	vd	08	G7B		UiMUX			frequency hopper heard 14 15 at 1635, 1952
DARC	14046,4	1545	13	08	QPSK	EGY	MFA Cairo	75		Codan-9001, 16 x 75 Bd, QPSK
DARC	14050,0	0627	13	08	F1B	RUS	UiPTR	75	250	unid printer
DARC	14052,0	0940	06	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location N.Ea Russia
DARC	14066,0	0853	04	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location North of Moscow
DARC	14070,0	1919	20	08	G7B		UiMUX			frequency hopper
DARC	14077,0	0723	26	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14081,0	0803	11	08	F1B	RUS	UiPTR	75	250	unid printer
DARC	14082,0	0631	22	08	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Kaliningrad
DARC	14090,0	0912	18	08	G7B		UiMUX			frequency hopper
DARC	14091,0	0958	03	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location Moscow
DARC	14100,0	1500	05	08	G7D		UiMUX			frequency hopper
DARC	14101,8	0749	02	08	8PSK	GRC	UiMUX			Stanag-4285, 2k4, 8PSK
DARC	14102,0	vt	vd	08	F1B		UiPTR	100	850	STANAG-4481, heard 01 02 03 at 0922, 0737, 0928
DARC	14104,0	0818	11	08	F1B	BLR	UiPTR	81	250	unid printer
DARC	14110,0	1031	09	08	G7B		UiMUX			frequency hopper
DARC	14110,0	1025	21	08	F1B	RUS	UiPTR	75	250	unid printer
DARC	14112,0	1029	09	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D
DARC	14116,0	0659	15	08	F1B	RUS	UiPTR	75	250	unid printer location West of Moscow
DARC	14116,0	vt	15	08	F1B		UiPTR			Heard 1131 – 1322
DARC	14118,4	1654	09	08	FSK	LBY	UiMUX	600	600	DPRK-FSK600/600, location Tripolis, daily
DARC	14120,0	1026	21	08	F1B	RUS	UiPTR	75	250	unid printer
DARC	14120,0	vt	vd	08	F1B	RUS	UiPTR	81	250	unid printer heard 05 06 26 at 0812, 0942, 0724, location East Russia
DARC	14122,0	vt	vd	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location West Russia, heard 02 06 09 10 25 at 0749 - 1053
DARC	14123,0	0802	06	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D
DARC	14125,0	1914	14	08	G7B		UiMUX			frequency hopper
DARC	14125,0	vt	15	08	A3E	KWT	Kuwait Radio			S6-signal, IM of 9855 x 11990, heard 2054 – 2102 s/off – at 2102: s/off of 11990, and IM disappears – at 2100: 9855 and 11990 same Arabic program
DARC	14144,0	0853	04	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D
DARC	14148,0	0750	02	08	A1A	CIS	UicW			encrypted morse, Cyrillic letters
DARC	14160,0	0943	06	08	F1B	BLR	UiPTR	50	250	unid printer
DARC	14160,0	0616	29	08	J7D		UiMUX			audio tone buzzer
DARC	14186,0	1053	26	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location Novosibirsk
DARC	14188,0	vt	04	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location West Russia - heard 04 09 at 0853, 1225
DARC	14192,0	1724	23	08	F1B	RUS	UiPTR	50	200	RUS Navy Kaliningrad
DARC	14210,0	0734	15	08	A3E		UiBC			2f de 7105
DARC	14210,0	0800	29	08	N0N / A3E	ALB	Radio Tirana			harmonic of 7105, carrier - later program
DARC	14240,0	0945	03	08	F1B	RUS	UiPTR	50	250	unid printer located N.Ea Russia
DARC	14240,0	0803	29	08	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D
DARC	14240,0	vt	vd	08	F1B	RUS	UiPTR	75	250	unid printer heard 05 09 at 0943, 1254, location Moscow area
DARC	14241,8	0633	28	08	BPSK	RUS	UiMUX	75	2600	16 x 75 Bd, BPSK, 2600 Hz shift - location Ural mountain
DARC	14285,0	vt	01	08	A3E	RUS	Voice of Russia			tx-er IM 15455 x 1170, active 1955 – 2100, is Krasnodar-Armavir – report to BnetzA
DARC	14300,0	0803	29	08	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	14301,0	0616	29	08	J7D		UiMUX			audio tone buzzer

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14310,0	1738	14	08	A3E	CHN	Radio China Interntl.			S9+10dB-signal, 2f
DARC	14310,0	1659	15	08	A3E	CHN / ALB	Radio China Interntl.			2f of 7155, is relay Tirana, daily
DARC	14320,0	0742	24	08	F1B		UiPTR			unid printer
DARC	14332,0	0927	05	08	F1B		UiPTR			is active
DARC	14345,0	1625	19	08	G7B		UiMUX			frequency hopper
DARC	14346,7	1615	19	08	F1B	EGY	MFA Cairo	100	170	SITOR-A
DARC	14348,5	1640	13	08	F1B	LBY	UiMUX	600	600	DPRK-FSK600/600, location Tripolis, daily
DARC	14350,0	vt	dly	08	A3E	IRN	IRIB Tehran			2nd harmonic of 7175, daily 1700 - 1930
DARC	21100,0	1242	20	08	G7B		UiMUX			frequency hopper
DARC	24900,0	0854	29	08	G7B		UiMUX			frequency hopper
DARC	24900,0	vt	vd	08	P0N	I	Codar HF Radar			heard 17 21 29 at 1405, 0905, 0829 - stretching 24850 - 24950
DARC	29684,8	1355	12	08	VFT	I	UiMUX			VFT, is Italian MIL Brescia, permanent
DARC	29699,7	vt	vd	08	G7B	I	UiMUX			serial modem, Italian MIL located Brescia, permanent, heard 04 18 at 1435, 1545
DARC	29699,8	1355	12	08	VFT	I	UiMUX			VFT, is Italian MIL Brescia, permanent

IRTS – Ireland – EI4GXB (Ger)

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7038.7	1934	21	08	A1A	UKR	Beacon D			Sevastopol
MRASZ	7038.9	1934	21	08	A1A	RUS	Beacon S			Murmansk
MRASZ	7039.0	1934	21	08	A1A	RUS	Beacon C			Moscow
MRASZ	7054.0	0606	24	08	F1B	RUS	UiPTR			
MRASZ	14000.0	1035	10	08	J3E-U	ISR				female voice
MRASZ	14008.0	0905	10	08	F1B	RUS	UiPTR			
MRASZ	14008.0	0736	13	08	F1B	RUS	UiPTR			
MRASZ	14008.0	0624	20	08	F1B	RUS	UiPTR			
MRASZ	14026.0	0905	10	08	J7D		UiMUX			
MRASZ	14026.0	1130	22	08	J7D		UiMUX			
MRASZ	14050.0	0645	13	08	F1B		Ui.			
MRASZ	14055.0	0656	13	08	J3E-U	LBN				UNIFIL (C1, MIO)
MRASZ	14063.0	1238	15	08	F1B		UiPTR			
MRASZ	14104.0	0649	13	08	F1B	RUS	UiPTR			
MRASZ	14116.0	1238	15	08	F1B	RUS	UiPTR			
MRASZ	14120.0	0905	10	08	F1b	RUS	UiPTR			
MRASZ	14120.0	0750	24	08	F1B	RUS	UiPTR			
MRASZ	14192.0	0625	20	08	F1B	RUS	UiPTR			
MRASZ	14204.0	0650	13	08	F1B	RUS	UiPTR			
MRASZ	14290.0	1715	19	08	J3E-U					More male-female traffic on spanish language
MRASZ	18068.0-18080.0	1235	15	08	P0N	CYP				OTHR

OEVSV – Austria – OE3DMA (Alex)

RSGB - Great Britain – G4BOH (Chris)

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	7004,0	1230-1400	1	8		UiPTR	F1B		
SRAL	7008,0	0900-1330	*	8		UiPTR	F1B	250	Days 3, 12, 18 & 22
SRAL	7010,0	1330-1400	16	8		UiMUX	F7		
SRAL	7014,0	1430-1500	1	8		UiPTR	F1B	250	
SRAL	7017,7	1030-1100	6	8		ZPKA	F1B/A		MR calls DEOS
SRAL	7018,6	1800-2000	20	8		UiCarr	N0		
SRAL	7020,0	0800-1030	*	8		UiPTR	F1B	250	Days 1, 19 & 21
SRAL	7025,0	0630-1130	5, 6	8		RDL	F1B	200	
SRAL	7034,0	0730-1200	*	8		UiPTR	F1B	225	37,5 Hz dotter, days 6, 10, 19, 21. 26 & 27
SRAL	7038,7	h24	dly	8	UKR	D	A1A		Sevastopol
SRAL	7038,8	0430-1930	17-28	8	RUS	P	A1A		Kaliningrad
SRAL	7038,9	h24	11-31	8	RUS	S	A1A		Severomorsk/Murmansk
SRAL	7039,0	h24	dly	8	RUS	C	A1A		Moscow
SRAL	7052,0	1310	1	8		UiPTR	F1B		
SRAL	7054,0	0500-0700	22-31	8	RUS	UiPTR	F1B	200	25 Hz dotter.
SRAL	7054,0	1700-1900	22-31	8	RUS	UiPTR	F1B	200	25 Hz dotter.
SRAL	7060,0	1115	7	8		UiMUX	F7		
SRAL	7076,0	0330-0700	25	8		UiPTR	F1B	250	
SRAL	7077,7	0900-1000	27	8		UiPTR	F1B	990	
SRAL	7099,0	1230	9	8		UiCW	A1A		MR 5BL
SRAL	7100,0	0500-0530	27	8		UiPTR	F1B	200	25 Hz dotter
SRAL	7100,0	1755-2100	dly	8	KRE	Voice of Korea	A3E		
SRAL	7105,0	1300-1530	dly	8	CHN	JAM	A3E		"Firedrake" also on 7130 & 7185 kHz 1300-1800
SRAL	7122,0	h24	dly	8	RUS	RDL	F1B/A	200	25 Hz dotter, MR 5F
SRAL	7137,0	1440-1720	24, 25	8		UiPTR	F1B	200	
SRAL	7162,0	0900-0930	27	8		UiPTR	F1B	250	
SRAL	7167,0	0700-1400	18, 22	8		UiPTR	F1B	200	50 Hz dotter
SRAL	10120,0	0400-0430	4	8	CYP/G	OTHR	P0N		
SRAL	10140,0	1615-1835	18	8	CYP/G	OTHR	P0N		
SRAL	14000,0	1500-	4	8	ISR	Mossad	R3E-u		5L-groups

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
		1520							
SRAL	14000,0	1245	10	8		UiBC	A3E		MX
SRAL	14008,0	1240	4	8	RUS	UiPTR	F1B	250	Velikie Luki
SRAL	14108,0	0715-1100	*	8		ZHWT &c	A1A		Calls YWFF &c, 5BL
SRAL	14118,0	0720	12	8		UiCW	A1A		5BL
SRAL	14120,0	0815-0955	6,24	8		UiPTR	F1B	250	
SRAL	14122,0	0715-0940	*	8		UiMUX	F7		Days 6, 10, 12 & 25
SRAL	14160,0	0940-1040	6	8		UiPTR	F1B	250	
SRAL	14184,0	0735-1020	*	8		UiPTR	F1B		Days 9, 25 & 27
SRAL	14186,0	0845-1145	26	8		UiMUX	F7		
SRAL	14207,0	0910-1320	4, 9	8		UiMUX	F7		
SRAL	14237,7	0805-1130	27	8		UiPTR	F1B		
SRAL	14240,0	0645-1310	*	8		UiPTR/MUX	F1B/ F7		Days 1, 6, 9, 12, 25 & 27
SRAL	14334,0	0815-1110	9	8		UiMUX	F7		
SRAL	28005-28305	0755-1150	6	8		UiFM	F3E		35 reports – CIS taxis
SRAL	28035-29045	0730-1010	7	8		UiFM	F3E		17 reports
SRAL	28145-28245	1230-1250	10	8		UiFM	F3E		4 reports
SRAL	28025-28065	0645-1015	12	8		UiFM	F3E		3 report
SRAL	28035-28925	0745-1115	15	8		UiFM	F3E		16 reports
SRAL	28135-28350	1020-1315	17	8		UiFM	F3E		5 reports
SRAL	28005-28305	0900-1130	25	8		UiFM	F3E		9 reports

USKA – Switzerland – HB9CET (Peter)

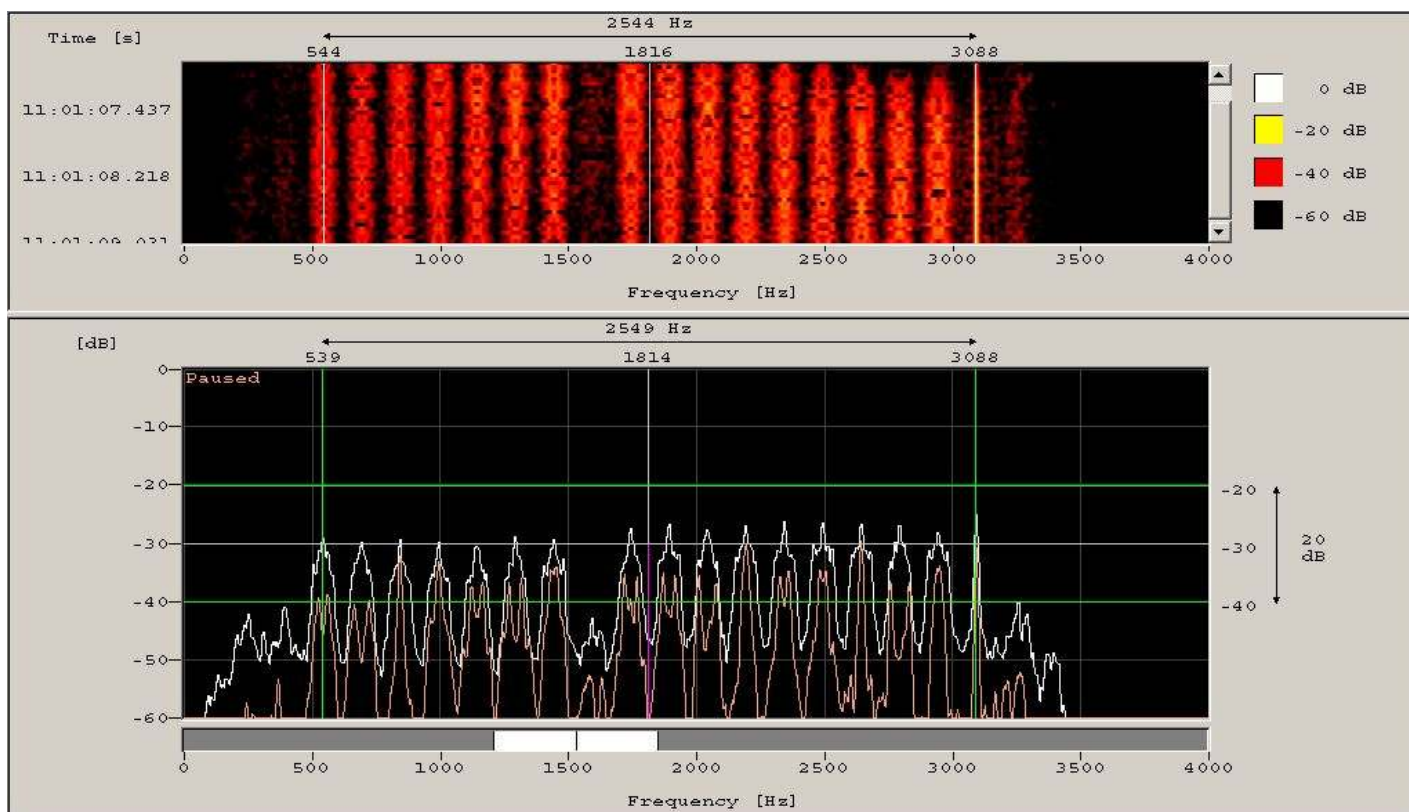
SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7014.0	1418	01	08			F1B	81	250	CIS-81
USKA	7038.7	1213	01	08	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.9	1853	11	08	RUS		A1A			Beacon S Murmansk daily
USKA	7039.0	1215	01	08	RUS	C	A1A			Beacon C Moscow daily
USKA	7084.0	1855	11	08	BLR		A3E			Splatter from 7105 kHz daily
USKA	14000.4	1413	10	08			N0N			permanent carrier
USKA	14008.0	0958	11	08			F1B	50	250	unident printer
USKA	14024.0	1302	01	08			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14026.0	1355	10	08			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14125.0	1838	11	08	KWT		A3E			BC IM (2x11990)-9855= 14125 daily
USKA	14242.0	1207	01	08	CHN		J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14332.0	0935	11	08			F1B	81	250	CIS-81

Veron – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	Mode	SH	DETAILS
VERON	7038,0	vt	vd	8	OK	OK0EU	A1A		beacon (no bandplan)
VERON	7038,7	05.12	vd	8	UKR	D	A1A		28 days, beacon, nr. Sevastopol, 19.26 utc
VERON	7038,8	05.12	vd	8	RUS	P	A1A		5 days, beacon, 20.28 utc
VERON	7038,9	06.20	vd	8	RUS	C	A1A		18 days, beacon C, Moscow, 16.40 utc

SOC	kHz	UTC	DD	MM	ITU	IDENT	Mode	SH	DETAILS
VERON	7038,9	05.12	vd	8	RUS	S	A1A		14 days, beacon S, 19.26 utc
VERON	7054,0	05.10	vd	8	RUS	UiPtr	F1B	250	5 days, Ptr, 18.14 utc Russian Airforce
VERON	7054,0	18.44	27	8	RUS	UiPtr	F1B	200	Revs/Ptr, Russian Airforce
VERON	7054,0	19.15	27	8	RUS	UicW	F1A		dots
VERON	7056,0	06.50	1	8	?	UicW	A1A		5L
VERON	7056,0	07.10	21	8	CIS	CO1K	A1A		to XBJF, 5DXS, CEFZ, K78W,SKZL etc
VERON	7122,0	19.24	11	8	CIS	UiPtr	F1B		Revs/Ptr
VERON	10104,0	19.00	20	8	CIS	UiCAR	NON		Strong carrier
VERON	10107,0	14.05	22	8	CIS	UiPtr	F1B	200	Ptr
VERON	10134,0	12.00	24	8	Austria	UiILL	J3Eu		14.00 utc, CB traffic info PE2KP
VERON	14007,0	vt	vd	8	CIS	UiPtr	F1B	200	Ptr, 2 days
VERON	14008,0	08.40	20	8	CIS	UiPtr	F1B	250	Revs/Ptr
VERON	14025,0	10.38	22	8	RUS	UiMUX	J7D		12 tone system AT 3004D (harmful)
VERON	14028,0	07.26	26	8	CIS	UiPtr	F1B	250	Ptr
VERON	14055,0	17.51	29	8	Unifil	Unifil	J3Eu		Unifil-net
VERON	14075,0	07.22	26	8	RUS	UiMUX	J7D		12 tone system AT 3004D (harmful)
VERON	14102,0	15.30	1	8	CIS	UiPtr	F1B		Revs/Ptr
VERON	14104,0	08.12	vd	8	CIS	UiPtr	F1B	250	5 days, Ptr, 10.00 utc
VERON	14104,0	vt	vd	8	CIS	UiPtr	F1B	250	Ptr, 4 days
VERON	14108,0	05.29	1	8	CIS	B3WA	A1A		5BL, proc
VERON	14108,0	06.30	1	8	CIS	B3WA	A1A		to KUBT,KMYI,ZMOO,KCPT,HYNC, proc
VERON	14108,0	05.19	2	8	CIS	Y1CQ	A1A		Y1CQ QTC ZKR AR
VERON	14108,0	05.23	2	8	CIS	B3WA	A1A		5BL
VERON	14108,0	05.59	6	8	CIS	B3WA	A1A		to TRGH,KUBT,KMYI,ZM8O,KCPT,proc
VERON	14108,0	05.57	7	8	CIS	B3WA	A1A		to KCPT, HYNC, etc, proc
VERON	14108,0	06.27	8	8	CIS	B3WA	A1A		to KUBT, KMYI, etc, proc
VERON	14108,0	06.35	11	8	CIS	ZHWT	A1A		to 6AKY, 5ZWA, PFXZ, etc, proc
VERON	14108,0	06.05	13	8	CIS	PGWC	A1A		to PFXZ, QBE QYT6 K
VERON	14108,0	06.30	15	8	CIS	ZHWT	A1A		to YWFF,TSSK, 1AKY, PGLC, 5ZWA, PFXZ de ZHWT QTC K 5BL
VERON	14108,0	09.14	20	8	CIS	ZHWT	A1A		to XKLL: 565 23 211004 565 =ZUB=622
VERON	14108,0	06.14	21	8	CIS	ZMWL	A1A		to SG5P: 462 19 210956 462=726= 5BL
VERON	14108,0	06.20	21	8	CIS	ZMWL	A1A		to VLTW, N5MW,1BN6, proc
VERON	14108,0	05.11	29	8	CIS	ZMWL	A1A		to C76P: (5BL) 103 K
VERON	14108,0	09.54	2	8	CIS	B3WA	A1A		Calls (to:KMYI ZM8O KCPT HYNC)
VERON	14108,0	08.44	13	8	CIS	UicW	A1A		5F
VERON	14108,0	09.11	25	8	CIS	UicW	A1A		5F
VERON	14110,0	10.10	21	8	CIS	UiPtr	F1B	250	Ptr
VERON	14116,0	07.15	15	8	CIS	UiPtr	F1B	250	Ptr
VERON	14118,0	12.50	28	8		UiCAR	NON		Strong carrier
VERON	14120,0	08.14	12	8	RUS	UiMUX	J7D		12 tone system AT 3004D (harmful)
VERON	14120,0	vt	vd	8	CIS	UiPtr	F1B	250	Ptr
VERON	14120,0	09.08	25	8	RUS	UiMUX	J7D		12 tone system AT 3004D (harmful)
VERON	14120,0	07.23	26	8	CIS	UiPtr	F1B	250	08.30 utc, Ptr
VERON	14148,0	08.09	11	8	RUS	RGT77	A1A		RGT77 011= (5BL) = K
VERON	14148,0	07.35	15	8	RUS	RGT77	A1A		RGT77 898 = (5BL) = K
VERON	14182,0	08.43	28	8		UiPtr	F1B		Ptr
VERON	14185,0	09.45	26	8	RUS	UiMUX	J7D		12 tone system AT 3004D (harmful)
VERON	14204,0	08.45	13	8	CIS	UiPtr	F1B	250	Ptr
VERON	14238,0	08.15	27	8	CIS	UiPtr	F1B	500	Ptr
VERON	14283,0	10.22	28	8		UiPtr	F1B		Ptr
VERON	14284,0	09.30	28	8	RUS	UiMUX	J7D		12 tone system AT 3004D (harmful)
VERON	14284,0	09.54	28	8	CIS	UicW	F1A		dots
VERON	14300,0	08.16	27	8	RUS	UiMUX	J7D		12 tone system AT 3004D (harmful)
VERON	14332,0	vt	vd	8		UiPtr	F1B		Revs/Ptr
VERON	14332,0	09.31	28	8	CIS	UiPtr	F	250	Ptr

– Russian MIL system, 16 x 75 Bd BPSK + 1 pilot tone –
transmitting on 14241.8 kHz – location: Central Russia / Ural



IARUMS Region 1

Manual2006, Monitoring Template, WAV-files, Fishery Buoys on 10m, Latest Intruder News, Co-ordinator's Corner, Newsletter Collection, Important Links, Contacts, Image Gallery, History of IARUMS Region 1, ITU Informations, the Story of Ron Roden's Life, Successful Actions, Bandplans, Frequency Allocation Tables and Soundfiles are available on: <http://www.iarums-r1.org>

Many thanks for your interest!

The monitoring team of IARU Region 1

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