



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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The members of the IARUMS Region 1 monitoring team:



Acknowledgements

++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ MRASZ: HA7PL - Laci ++ OEVSU: OE3DMA – Alex ++
 ++ RSGB: G4BOH - Chris ++ SARL: ZS6AKV - Hans ++ SRAL: OH2BLU - Pekka ++
 ++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++ RAL: OD5RI - Riri ++
 ++ IRTS: EI4GXB - Ger ++ VU2UR - Arasu (Co-ordinator Region 3) ++ TG9AJR – Juan (Co-ordinator Region 2)
 ++ DF5UG - Hans (EC-IARU-R1) ++ DF8FE – Martin (Webmaster assistance) ++ DL8AAM – Tom (ALE) ++
 ++ 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. TG9AJR – New IARUMS Region 2 Co-ordinator

TG9AJR, Juan Munoz, is the new IARUMS Region 2 Co-ordinator and the follower of Bill Zellers (WA4FKI). Juan is living in Guatemala, 40 years old, married and has a business degree. He got his license 1989.

Welcome to our worldwide monitoring team, dear Juan!



TG9AJR – Juan operating in the shack of W6UE

2. 14005 kHz – SOH and Hainan jammer

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

3. 14055 kHz – IM product from BBC World

An IM product from BBC World disappeared after few days from 14055 kHz. Grateful words to the British PTT (Ofcom – Baldock)!

4. 14102 kHz – Stanag 4481

Stanag 4481 (100 Bd, 850 Hz shift) between ships (near Malaga) and north of Athens, daily, various times.

5. 14208.510 kHz – embassy traffic

The digital system DPRK-FSK 600 (600 Bd, 600 Hz shift) was often active on 14208.510 kHz at 1100 utc. Location: Libya. Probably digital traffic from the North Korean embassy in Libya.

6. 14285 kHz – BC Intermodulation product

I found a strong intermodulation product on 14285 kHz and asked DJ9KR, DF5SX and the German PTT (BNetzA) for assistance. The results: Voice of Russia: 15455 kHz – China Radio International: 1170 kHz
Calculation: $15455 - 1170 = 14285$. **Many thanks to DJ9KR, DF5SX and the German BNetzA.** An official complaint from the BNetzA has been filed.

7. Codar HF Radar on 24 MHz from Naples / Italy – complaints are running

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!

For further infos visit the Codar Info Site:

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

8. 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 = 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 JULY, 2008

Propagation was still not good and again on some days hardly any intruders were audible as a result. Not surprising as there were very few sunspots recorded.

Ten days monitoring at Kilifi on the Coast showed more Somalia stations with fewer Central Africans and Sudanese. Calls by a Somalia station to Wajir in north-eastern Kenya was heard, but apparently not answered – this may be a new illegal station not observed before. Elsewhere the intruder situation was more or less unchanged.

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	7	ETH?	UiPHONE	J3E	Amharic. Spreads into 40 m. band.
ARSK	6999.0	vt	dly	7	KEN? UGA? TZA?	08, 15, 16, 20, 23, 24, 25, 26, 27, 32, 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	*	7	SOM	Boccaro, Bossasso	J3E	Somalis. *18,21,
ARSK	7001.0	0847	22	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7002.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*17,21,
ARSK	7008.0	vt	dly	7	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	1316	19	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7010.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*22,23,
ARSK	7011.0	0845	24	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7012.0	vt	dly	7	SOM	Kismayu, Afmadu, Dobleh, Baidoa?	J3Eu	Somalis, SelCal. Some KiSwahili, prob. Bajuni.
ARSK	7013.0	0859	22	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7014.0	0522	23	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7016.0	0848	22	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7019.0	0849	22	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7022.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis. *24,
ARSK	7023.0	0850	22	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7025.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.Phonepatching. *15,20,21,24,
ARSK	7030.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis. *18,22,
ARSK	7033.0	0852	22	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7035.0	vt	dly	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7040.0	vt	*	7	ETH	UiPHONE	J3E	Amharic.*22,24,
ARSK	7045.0	vt	*	7	SOM	UiPHONE	J3Eu	*21,22,
ARSK	7045.0	vt	dly	7	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1,	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

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
						WL2, WL4,WL5, WL6, WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe, Kalulu		groups, presumably an encrypted message.
ARSK	7046.0	0528	24	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7048.0	vt	dly	7	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B3, B7, B8, B15,CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA? Some Arabic heard.
ARSK	7050.0	0545	22	7	SOM	UiPHONE	J3E	Somalis. NGO?
ARSK	7052.0	1333	21	7	ETH	UiPHONE	J3Eu	Amharic.
ARSK	7056.0	0543	23	7	SOM	Galkayo	J3Eu	Somalis.
ARSK	7057.0	vt	dly	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7062.0	1335	21	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	dly	7	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	7066.0	0914	21	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7069.0	1336	21	7	SOM	UiPHONE	J3Eu	Soimalis.
ARSK	7070.0	vt	dly	7	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal. Often late at night.
ARSK	7071.0	0521	20	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7079.0	0857	22	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7085.0	vt	*	7	SOM/K EN?	UiPHONE	J3Eu	Somalis. Wajir called. *22,24,
ARSK	7086.0	0849	24	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7091.0	0852	22	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7092.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*22,24,
ARSK	7094.0	0851	24	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7100.0	vt	dly	7	ERI	VOBM	A3E	Voice of the Broad Masses, Eritrea, broadcast.

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3500,0	2145	06	07	J3E-U	G	UiILL	fishermen from Wales
DARC	3500,0	0955	26	07	J3E-U	HOL	UiILL	Dutch pirates
DARC	3500,0	vt	vd	07	J3E-U	HOL	UiILL	Dutch fishery, heard 16 28 at 1005, 1142
DARC	3500,0	vt	vd	07	J3E-U	E	UiILL	Spanish fishery heard 11 20 at 0844, 1940
DARC	3500,0	vt	vd	07	J3E-U	E	UiILL	Spanish fishery with CRY-2001 vocoder, heard 09 – 28, time: 1929 – 2129, very active net
DARC	3512,0	1550	15	07	J3E-U	G	UiILL	Fishermen from Wales
DARC	3515,0	1740	23	07	J3E-U	F	UiILL	French pirates, daily at various times

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3520,0	2016	16	07	J3E-U	E	UiILL	Spanish fishery with CRY-2001 vocoder
DARC	3520,0	2023	21	07	J3E-U	E	UiILL	Spanish fishery with CRY-2001 vocoder
DARC	3525,0	0748	07	07	J3E-U	E	UiILL	Spanish fishery with CRY-2001 vocoder
DARC	3535,0	2113	04	07	J3E-U	E	UiILL	Spanish fishery with CRY-2001 vocoder
DARC	3535,0	vt	vd	07	J3E-U	F	UiILL	French pirates, heard 24 26 at 1925, 1834
DARC	3540,0	0829	29	07	J3E-U	G	UiILL	fishermen from Wales
DARC	3550,0	0706	01	07	A3E	F	Lis Amateurs	French lis amateurs, no respect of IARU Band Plan, daily
DARC	3550,0	vt	vd	07	A3E	F	French Lis Amateurs	daily heard 0600 - 0730 - is in contradiction to IARU BANDPLAN - only CW in this range
DARC	3551,0	1911	23	07	J3E-U	F	UiILL	French pirates, daily at various times
DARC	3560,0	2013	10	07	J3E-U	KOR	UiILL	Korean ships, location near Corsica Island, Med. Sea
DARC	3560,0	0730	14	07	J3E-U	E	UiILL	Spanish fishery
DARC	3560,0	1959	28	07	J3E-U	F	UiILL	French pirates, daily at various times
DARC	3590,0	vt	vd	07	J3E-U	E	UiILL	Spanish fishery heard 20 25 at 1925, 0648
DARC	3595,0	1656	09	07	J3E-U	E	UiILL	Spanish fishery with CRY-2001 vocoder
DARC	3595,0	2103	22	07	J3E-U	E	UiILL	Spanish fishery
DARC	10101,0	1651	10	07	J3E-U	MRC	UiILL	Moroccan fishermen
DARC	10125,0	0812	31	07	J3E-U	F	Lis Amateurs	French Amateurs, SSB not allowed in Band 10
DARC	10130,8	2024	11	07	J3E-U	E	UiILL	Spanish pirates
DARC	10135,0	0823	20	07	J3E-U	F	Lis Amateurs	French Amateurs, SSB not allowed in Band 10
DARC	10136,0	0939	04	07	J3E-U	F	Lis Amateurs	French Amateurs, SSB not allowed in Band 10
DARC	10136,0	1917	07	07	J3E-U	E	UiILL	Spanish pirates, male to female
DARC	10141,7	1726	23	07	J3E-U		UiILL	unid pirates
DARC	10150,0	1850	05	07	J3E-U	E	UiILL	Spanish fishery
DARC	14001,5	1058	17	07	J3E-U	CLN	UiILL	fishermen from Sri Lanka
DARC	14002,2	1735	16	07	J3E-U		UiILL	female voice, short traffic
DARC	14018,0	vt	07	07	J3E-U	MRC	Ship Al- Intiq	OP Hammani, Ar male voices (3), one person has a very shrieky voice, position 24 20 N / 15 40 W - heard in French 1913 - 1928 - also responding to amateur
DARC	14050,0	1704	20	07	J3EU	E	UiILL	Pirates in Spanish voice
DARC	14053,5	0946	30	07	J3E-U	Ind. Oc.	UiILL	men in Arabic voice, ships
DARC	14055,0	vt	vd	07	J3E-U	LBN / M.Ea	UNIFIL	UNIFIL net, idents: MIO, MIO3, C1, S1, E4, E6, E8, E17, M1093,N1, „harbour of Beirut“ often mentioned, also the position, speed and nationality of vessels, audible all day all month at irregular times
DARC	14055,0	vt	31	07	J3E-U	M.Ea	Alfa-515	„C1, C1 – this is A-515, A-515, radio check, over“
DARC	14055,0	1711	07	07	J3E-U	E	UiILL	unid pirates in Spanish voice
DARC	14099,0	1930	13	07	A1A	I	IZOHCC/B	roundslip, URL: www.izohcc.it
DARC	14100,0	1010	31	07	J3E-U	RUS	UiILL	woman in Russian, spelling figures
DARC	14324,0	1504	03	07	J3E-U	F.Ea	UiILL	names
DARC	14350,0	1535	02	07	J3E-U	E	UiILL	Spanish male traffic, QTE Tubingen 150 degs.
DARC	14350,0	1906	09	07	J3E-U	E	UiILL	Spanish family traffic, male to female
DARC	14350,0	1743	16	07	J3E-U	E	UiILL	Spanish male to female, family traffic
DARC	18096,7	1045	12	07	J3E-U	F.Ea	UiILL	pirates
DARC	21370,0	1915	08	07	J3E-U	E	UiILL	Spanish fishery, engine noise audible
DARC	28000,0	vt	dly	07	F3E	CIS	UiILL	taxi traffic, F3E, daily 28000 – 29700
DARC	28005,0	0849	16	07	A3E	E	UiILL	several stations in Spanish voice, roger beep
DARC	28005,0	1842	19	07	A3E	E	UiILL	Spanish CB-ers
DARC	28035,0	2200	01	07	F3E	F	UiILL	French CB-ers, children
DARC	28045,0	0836	02	07	J3E-U	POR	UiILL	pirates
DARC	28055,0	0849	16	07	A3E	E	UiILL	several stations in Spanish voice, roger beep
DARC	28055,0	1704	17	07	A3E	E	UiILL	Spanish CB-ers

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS	
DARC	28055,0	2057	24	07	A3E	E	UiILL	CB-ers	
DARC	28065,0	1352	19	07	A3E	E	UiLL	2 male persons in Spanish voice	
DARC	28085,0	2217	01	07	F3E	F	UiILL	French CB-ers, male persons	
DARC	28085,0	1650	15	07	A3E	E	UiILL	traffic in Spanish voice	
DARC	28100,0	2200	01	07	F3E	F	UiILL	French CB-ers, children	
DARC	28105,0	1346	02	07	A3E	E	UiILL	Spanish male net	
DARC	28105,0	1908	14	07	A3E	E	UiILL	2 male persons, responding to AT station, telling they are from Spain	
DARC	28105,0	0849	16	07	A3E	E	UiILL	several stations in Spanish voice, roger beep	
DARC	28115,0	0851		07	A3E	E	UiILL	Spanish CB-ers	
DARC	28135,0	0652	02	07	A3E	E	UiILL	Spanish male net	
DARC	28135,0	1650	15	07	A3E	E	UiILL	large net in Spanish voice	
DARC	28135,0	0849	16	07	A3E	E	UiILL	several stations in Spanish voice, roger beep	
DARC	28170,0	1757	30	07	A3E	TUR	UiILL	Turkish pirates	
DARC	28175,0	0436	24	07	A3E	F	UiILL	French Cbers	
DARC	28205,0	2219	01	07	F3E	F	UiILL	French CB-ers, male persons	
DARC	28205,0	1650	15	07	A3E	E	UiILL	traffic in Spanish voice	
DARC	28205,0	1223	16	07	A3E	E	Estación Peter	male OP from Barcelona	
DARC	28215,0	1352	19	07	A3E	E	UiLL	2 male persons in Spanish voice	
DARC	28225,0	2200	01	07	F3E	F	UiILL	French CB-ers, male persons	
DARC	28225,0	1656	15	07	F3E	F	UiILL	traffic in French voice	
DARC	28282,6	1650	15	07	J3E-U	MRC	UiILL	Ar male traffic, Morocco?	
DARC	28290,0	1210	19	07	A3E		UiLL	harmful and wideband splatters from 11-m-band	
DARC	28300,0	1212	19	07	F3E	I	UiLL	male OP in Italian voice	
DARC	28305,0	1650	15	07	A3E	E	UiILL	traffic in Spanish voice	
DARC	28305,0	0849	16	07	A3E	E	UiILL	several stations in Spanish voice, roger beep	
DARC	28305,0	1210	19	07	F3E	POR	UiLL	male OP in Port voice	
DARC	28315,0	1959	07	07	F3E	E	UiILL	Spanish CB-ers	

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	3500,0	1904	29	07	FSK8	TUR	UiMUX			ALE, selcalls 2010, 1020, is Turkish Red Crescent
DARC	3503,5	1835	09	07	FSK8	G	UiMUX			ALE, selcalls XGG, XKK, XJM – is UK-DHFCs
DARC	3503,5	2119	19	07	FSK8	G	UiMUX			ALE, selcall XSS – is British MIL TASCComm, NCS Forest Moor
DARC	3516,0	1913	08	07	G7B		UiMUX			frequency hopper
DARC	3517,0	2039	21	07	G7B		UiMUX			frequency hopper
DARC	3517,0	2034	24	07	J7D	UKR	UiMUX			MPSK-12, AT-3004-D, location Sevastopol
DARC	3517,9	2037	21	07	8PSK		UiMUX	2k4		Stanag-4285, 2k4, 8PSK
DARC	3531,0	2136	01	07	A1A	BLR	UiCW			only dots, all day daily
DARC	3533,8	1854	09	07	J7D	F	UiMUX			Link-11, Atlantic Ocean west of Normandy
DARC	3537,0	1923	29	07	F1B	UKR	UiPTR	81	250	unid printer, location Krim area
DARC	3550,0	0706	01	07	A3E	F	French Amateurs			French Amateurs in A3E (AM) in CW section
DARC	3553,8	2123	04	07	G7D	TUR	UiMUX			Stanag-4285, 2k4, 8PSK, is Turkish MIL, permanent
DARC	3560,0	1903	04	07	A3E	KOR	Voice of Korea			daily
DARC	3570,0	2008	28	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Kaliningrad
DARC	3572,0	2137	01	07	PSK	HOL	UiMUX			BC-PSK, Radio Navigation,

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										The Netherlands
DARC	3586,4	1909	29	07	8PSK		UiMUX			Stanag-4285, 2k4, 8PSK
DARC	3599,8	1947	26	07	FSK8		UiMUX			ALE, selcalls 804, TI1, TI2
DARC	3608,0	1926	06	07	F1B	PLN	UiPTR	50	200	idling, location near Gdansk
DARC	3608,0	vt	vd	07	F1B	RUS	UiPTR	50	200	printer located Kaliningrad, idling
DARC	3642,0	2001	16	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location NE of Moscow
DARC	3654,5	2001	16	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3678,0	2010	16	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3735,0	1819	03	07	F1B	PLN	UiPTR	43	500	unid printer, location Warsaw, idling
DARC	3735,0	1900	09	07	F1B		UiPTR	43	500	unid printer, idling
DARC	3742,0	2128	04	07	J7D	UKR	UiMUX			MPSK-12, AT-3004-D
DARC	3745,0	2147	22	07	J7D	UKR	UiMUX			MPSK-12, AT-3004-D
DARC	3756,0	2130	04	07	A3E	UKR	Ui-Marker			MIL channel marker in AM
DARC	3782,0	2155	06	07	F1B	POR	CTP	75	850	Portuguese Navy Lisbon, daily all the day
DARC	3799,0	2012	16	07	F1B	CIS	UiPTR	81	250	unid printer
DARC	3800,0	2050	02	07	J7D	LTU	UiMUX			MPSK-12, AT-3004-D. Location Lithuania
DARC	7000,0	2119	04	07	A3E	BLR	Radio Minsk			spurious from 7105
DARC	7000,0	1938	08	07	G7B		UiMUX			frequency hopper
DARC	7000,0	1633	13	07	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	7000,0	0855	15	07	FSK8		UiMUX			ALE, selcalls ASD, POW
DARC	7000,0	0917	16	07	FSK8		UiMUX			ALE, selcall 2210
DARC	7000,0	vt	vd	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, heard 13 14 at 1829, 0706
DARC	7000,0	vt	vd	07	G7B		UiMUX			frequency hopper heard 05 26 at 1849, 1015
DARC	7000,0	vt	vd	07	A3E	BLR	Radio Belarus			IKM de 7105, heard 08 09 at 1900 – 2000 „knitting pattern“: 7105 x 2 – 7210 = 7000
DARC	7001,0	1658	02	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7008,0	2123	23	07	F1B	RUS	UiPTR	75	250	printer located Kazan
DARC	7009,0	1015	28	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location NW Russia
DARC	7010,0	1404	02	07	FSK8	MAK	UiMUX			ALE, selcalls RS0, CS002, is Macedonian MIL
DARC	7010,0	vt	vd	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location east of Moscow, heard 17 30 at 1054, 1835
DARC	7010,0	vt	vd	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D. Location Moscow, heard 02 03 at 0924, 0908
DARC	7013,0	0644	21	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location „Ural Mountain“
DARC	7020,0	0909	03	07	F1B	RUS	UiPTR	75	250	unid printer, location Moscow
DARC	7034,0	1904	04	07	F1B	RUS	UiPTR	81	250	unid printer, location is west Siberia
DARC	7036,0	1700	02	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D. Location Murmansk
DARC	7038,7	1211	01	07	A1A	UKR	beacon D			located Sevastopol
DARC	7038,7	1826	04	07	A1A	UKR	beacon D			located Sevastopol
DARC	7038,8	0643	01	07	A1A	RUS	beacon P Kaliningrad			permanent
DARC	7038,8	vt	vd	07	A1A	RUS	beacon P			located Kaliningrad, heard daily 0646 - 2112, 10 reports
DARC	7038,9	2140	01	07	A1A	RUS	beacon S Murmansk			is active
DARC	7038,9	1918	03	07	A1A	UKR	beacon D			is active

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
							Seva-stopol			
DARC	7038,9	1826	04	07	A1A	RUS	beacon S Murmansk			beacon Murmansk
DARC	7038,9	vt	vd	07	A1A	RUS	beacon S Murmansk			beacon Murmansk, daily 1630 - 2100, 18 reports
DARC	7039,0	0643	01	07	A1A	RUS	beacon C Moscow			permanent
DARC	7039,0	1826	04	07	A1A	RUS	beacon C Moscow			located Moscow
DARC	7039,0	0928	13	07	A1A	RUS	beacon P Kalinin-grad			is active
DARC	7039,0	vt	vd	07	A1A	RUS	beacon C Moscow			located Moscow, heard daily at 0650 - 1837, 12 reports
DARC	7040,0	1409	17	07	G7B		UiMUX			frequency hopper
DARC	7040,5	1454	17	07	FSK8		UiMUX			Amateur-ALE, no intruder!
DARC	7054,0	1826	16	07	F1B	RUS	UiPTR			
DARC	7054,0	vt	vd	07	F1B	RUS	Printer Nishniy Novgorod	50	200	heard 01 21 at 0846, 1932
DARC	7054,0	vt	vd	07	F1B	RUS	UiPTR	50	250	very active and harmful station, located Novgorod, heard 01 - 16 at 1900 - 2130
DARC	7058,0	1758	27	07	F1B	RUS	UiPTR	75	250	unid printer, location East Russia, Siberia
DARC	7075,0	1530	06	07	J7D	BLR	UiMUX			MPSK-12, AT-3004-D, location south of Minsk
DARC	7077,7	1436	29	07	F1B	RUS	UiPTR	47	100 0	unid printer, location Moscow
DARC	7080,0	1653	01	07	F1B	RUS	Printer Kaliningrad	81	500	
DARC	7080,0	0910	24	07	F1B	RUS	UiPTR	42	500	system FROST-1
DARC	7089,0	2142	01	07	A3E	BLR	Radio Belarus			spurious from Radio Belarus, Minsk, from 7105
DARC	7090,0	vt	vd	07	A3E	BLR	Radio Belarus			splatters of Radio Belarus on 7105 down till 7090
DARC	7092,0	1929	17	07	A3E	BLR	Radio Belarus			splatters from 7105
DARC	7100,0	vt	08	07	A3E	KOR	Radio Korea (North)			French px (1831); typical mx (1931)
DARC	7100,0	vt	vd	07	A3E	ERI	Voice of the Broad Masses			Af tribal music daily 1549 - 1729
DARC	7130,0	1633	07	07	JAM	CHN	Firedrake Jammer			is audible
DARC	7130,0	1745	15	07	A3E	JAM	Firedrake Jammer			is audible
DARC	7130,0	1752	16	07	A3E	JAM	Firedrake Jammer			is audible
DARC	7155,0	0755	11	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7185,0	1633	07	07	JAM	CHN	Firedrake Jammer			is audible
DARC	7185,0	1745	15	07	A3E	JAM	Firedrake Jammer			is audible
DARC	7185,0	1743	16	07	A3E	JAM	Firedrake Jammer			is audible
DARC	10112,0	0659	01	07	G7D	TUR	UiMUX			Stanag-4285, 2k4, 8PSK, is Turkish MIL, permanent
DARC	10114,7	0659	01	07	F1B	RUS	UiPTR	96	100 0	unid printer system CIS-14
DARC	10114,7	0659	25	07	F1B	RUS	UiPTR	96	100 0	unid printer, daily active

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	10118,0	1055	17	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	10121,0	0848	25	07	8PSK		UiMUX			Stanag-4285, 2k4, 8PSK – is ship south of Sardinia Island
DARC	10128,0	1742	11	07	G7B		UiMUX			frequency hopper
DARC	10130,0	1022	03	07	F1B	RUS	UiPTR	46	500	unid printer
DARC	10130,0	2034	11	07	P0N	G / CYP	British OTH-Radar			50 pps
DARC	10130,0	0620	15	07	F1B	CIS	UiPTR	46	500	unid printer, idling
DARC	10130,0	vt	vd	07	A3E		UiBC			Heard 07 – 21 daily 1834 – 1920, 15 reports, IM
DARC	10131,0	1846	22	07	F1B	RUS	UiPTR	75	250	unid printer, location Novosibirsk
DARC	10132,0	2121	04	07	G7B		UiMUX			frequency hopper
DARC	10133,0	1508	11	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Moscow area
DARC	10135,0	1910	03	07	A3E	IND?	UiBC			unid BC, totally distorted modulation
DARC	10140,0	0912	04	07	F1B		UiPTR	58	250	unid printer, Baudot, RY-test slip
DARC	10145,0	1414	25	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Moscow area
DARC	10150,0	1740	29	07	P0N	G / CYP	Brith			12,5 Hz-system, splatters from 10170
DARC	14000,0	1758	09	07	P0N		Ui-OTH-Radar			unid OTH, QTE 220 degs.
DARC	14000,0	0647	21	07	A3E		UiBC			distorted modulation
DARC	14000,0	1857	25	07	N0N	ISR	UiCAR			long lasting carrier, QTE 130 degs.
DARC	14000,0	vt	dly	07	F1B	EGY	Egy. Telemetry	300	820	Egyptian Telemetry, daily at various times
DARC	14000,0	vt	vd	07	G7B		UiMUX			frequency hopper, daily at various times
DARC	14001,0	0720	10	07	N0N	ISR	UiCAR			carrier located Israel
DARC	14005,0	vt	07	07	JAM	CHN	Firedrake Jammer			is audible 1608 - 1627
DARC	14005,0	1640	13	07	JAM	CHN	Firedrake Jammer			is active
DARC	14005,0	vt	13	07	A3E	TWN	Sound of Hope			heard 1640 - 1700 s/off
DARC	14005,0	1617	14	07	A3E	TWN	Sound of Hope			is audible
DARC	14005,0	1617	14	07	JAM	CHN	Firedrake Jammer			is active
DARC	14005,0	vt	15	07	A3E	TWN	Sound of Hope			is active 1646 - 1700/
DARC	14005,0	vt	15	07	A3E	JAM	Firedrake Jammer			is active 1646 - 1700/
DARC	14005,0	vt	16	07	A3E	TWN	Sound of Hope			is active 1540 - 1700
DARC	14005,0	vt	16	07	JAM	CHN	Firedrake Jammer			is active 1540 - 1700
DARC	14005,0	vt	22	07	A3E	TWN	Sound of Hope			S-6-signal
DARC	14005,0	vt	22	07	A3E	CHN	Firedrake Jammer			S-6-signal
DARC	14005,0	vt	22	07	A3E	CHN	Sound of Hope			S-6-signal
DARC	14005,0	vt	22	07	A3E	CHN	Sound of Hope			S-6-signal
DARC	14005,0	vt	vd	07	A3E	TWN	Sound of Hope			Heard 06 07 at 1612, 1556
DARC	14005,0	vt	vd	07	A3E	TWN	Sound of Hope			heard 08 – 31 daily 1500 – 1700

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14005,0	vt	vd	07	A3E	CHN	Firedrake Jammer			heard 08 – 31 daily 1500 – 1700
DARC	14005,0	vt	vd	07	JAM	CHN	Firedrake Jammer			Heard 06 07 at 1612, 1556
DARC	14008,0	0755	04	07	N0N		UiCAR			carrier
DARC	14008,0	0709	20	07	F1B		UiPTR			unid printer
DARC	14008,0	0702	25	07	F1B		UiPTR	50	250	unid printer
DARC	14010,0	1104	22	07	A3E	D	Deutsche Welle			drifting to 14008, carrier rocking
DARC	14015,0	1100	22	07	A3E		UiBC			
DARC	14021,0	1306	07	07	F1B	RUS	UiPTR	50	250	unid printer, location east of Moscow
DARC	14025,0	1116	10	07	A3E		UiBC			unid BC, QTE 110 degs.
DARC	14025,0	1100	22	07	A3E		UiBC			jingle
DARC	14026,0	0728	14	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Smolensk
DARC	14026,0	0913	24	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location west Russia
DARC	14055,0	1821	04	07	A3E		BBC World Service			slight carrier audible
DARC	14055,0	vt	vd	07	A3E	G	BBC World Service			heard 01 – 03 at 1828 – 1856
DARC	14058,0	0914	24	07	G7B		UiMUX			frequency hopper
DARC	14066,0	1147	04	07	FSK8		UiMUX			ALE, selcall OR0, unid, daily at various times
DARC	14069,0	2136	20	07	G7B		UiMUX			frequency hopper
DARC	14072,0	0705	20	07	J7D		UiMUX			Stanag-4285, 2k4, 8PSK
DARC	14077,0	0911	12	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14077,0	0734	26	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Moscow area
DARC	14080,0	0827	29	07	G7B		UiMUX			frequency hopper
DARC	14083,0	0649	08	07	J7D	CHN	UiMUX			MPSK-12, AT-3004-D. Location Beijing (Peking)
DARC	14091,0	vt	vd	07	J7D	BLR	UiMUX			MPSK-12, AT-3004-D, heard 08 09 at 1010, 0819, location NE of Minsk
DARC	14100,0	1309	30	07	G7B		UiMUX			frequency hopper
DARC	14102,0	vt	vd	07	F1B	E / HRV	UiPTR	100	850	unid printer QTE 180 degs., is STANAG-4481 – Spanish MIL with Dubrovnik, Croatia
DARC	14103,0	1556	23	07	G7B		UiMUX			frequency hopper
DARC	14104,0	0914	03	07	F1B	RUS	UiPTR	46	250	unid printer, location is Irkutsk
DARC	14104,0	1832	19	07	F1B		UiPTR			unid printer
DARC	14104,0	vt	vd	07	F1B	RUS	UiPTR	81	250	unid printer, heard 20 26 at 0847, 0738
DARC	14104,0	vt	vd	07	F1B	RUS	UiPTR	76	250	unid printer, idling, location west Russia, heard 11 27 at 0655, 0907
DARC	14106,0	0811	13	07	J7D	Pac Ocn.	UiMUX			MPSK-12, AT-3004-D, location Pacific Ocean nr. Korea
DARC	14112,0	0944	01	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14116,0	0742	29	07	F1B	RUS	UiPTR	75	250	unid printer, west of Moscow
DARC	14116,0	1016	31	07	F1B	RUS	UiPTR	50	250	unid printer, location north of Moscow
DARC	14118,0	1238	09	07	J7D	RUS	UiMUX			Stanag-4285, 2k4, 8PSK
DARC	14118,0	1418	18	07	J7D	RUS	UiMUX			Stanag-4285, 2k4, 8PSK
DARC	14120,0	0847	20	07	F1B	RUS	UiPTR	81	250	unid printer
DARC	14120,0	0829	30	07	F1B	RUS	UiPTR	67	250	unid printer, idling, location east Russia
DARC	14120,0	0836	30	07	G7B		UiMUX			frequency hopper

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14122,0	vt	vd	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, AT3004-D, location west of Moscow, heard 02 08 27 at 0946, 0653, 0907
DARC	14160,0	0834	10	07	F1B	RUS	UiPTR			unid printer
DARC	14160,0	0657	11	07	F1B	RUS	UiPTR	50	250	unid printer, idling, location west Russia
DARC	14160,0	0936	16	07	F1B	RUS	UiPTR	50	250	unid printer, bad keying, idling, location Smolensk
DARC	14160,0	1059	17	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	14192,0	1312	06	07	F1B	RUS	UiPTR			fast reversals
DARC	14192,0	vt	vd	07	F1B	RUS	UiPTR	50	500	located Kaliningrad, heard 01 05 – 11, 24 at 0700, 1530, 1834
DARC	14204,0	0826	vd	07	F1B	RUS	UiPTR	81	250	unid printer located east Russia
DARC	14206,0	1100	17	07	FSK8	CHN	UiMUX			ALE, selcalls 186, 203 – PRC-PLA, daily
DARC	14208,5	vt	vd	07	F1B	LBY	UiPTR	600	160 0	DPRK-FSK-600, heard 17 – 22 at 1058 – 1105
DARC	14220,0	0654	08	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14220,0	0830	09	07	F1B	BLR	UiPTR	50	500	unid printer located near Minsk
DARC	14236,0	1935	19	07	J7D		UiMUX			Stanag-4285, 2k4, 8PSK
DARC	14240,0	0703	01	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	14240,0	1945	13	07	A3E		UiBC			px in Russian language, 2f
DARC	14240,0	1935	19	07	A3E		UiBC			unid BC
DARC	14281,8	0848	30	07	8PSK		UiMUX			Stanag-4285, 2k4, 8PSK, 1200 Bps long, – ship located in Black Sear
DARC	14285,0	2040	12	07	A3E	RUS	Golos Rossiye			is active
DARC	14285,0	1945	13	07	A3E	RUS	Golos Rossiye			S9+10dB, Turkish px - at 1955 additional measuring tone, 2000: px in Russian
DARC	14285,0	2005	13	07	A3E	RUS	Golos Rossiye			"Radio Kanal Sadruschesdwa", at 2042: Indian film music
DARC	14285,0	2000	14	07	A3E	RUS	Golos Rossiye			jingle, px in Russian S9+25dB "Golos Rossiye" - at 2037 fading out with Russian px, still
DARC	14285,0	vt	14	07	A3E	RUS	Golos Rossiye			program in Turkish language 1945 - 1957 - at 1955 additional measuring tone
DARC	14285,0	2001	15	07	A3E	RUS	Voix de la Russie			2 px heard: 1) French // 15455 2) Ru px „Radio Sadruschda“
DARC	14285,0	/1941	18	07	A3E	RUS	Golos Rossiye			Turkish px s/on
DARC	14285,0	1942	19	07	A3E	RUS	Golos Rossiye			s/on Turkish px, Chinese music; 1955: additional test tones; 2000: Ru px s/on // to French px s/on
DARC	14285,0	/1942	20	07	A3E	RUS	Golos Rossiye			s/on Turkish px, Chinese music; 1955: additional test tones; 2000: Ru px s/on // to French px s/on
DARC	14285,0	vt	vd	07	A3E	RUS	Golos Rossiye (Voice of Russia)			heard daily 1955 – 2100, is IM 15455 x 1170, location of tx-er is Krasnodar-Armavir – report to BnetzA
DARC	14285,0	vt	vd	07	A3E		Voice of Russia			Heard 09 – 22, sudden s/on around 1948 with Turkish px, 2000: French px added, IM of 15455 and 1170 – Russian px

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										„Radio Kanal Sadruschda“ - fading out at about 2030 – sometimes // 7105
DARC	14310,0	1624	14	07	A3E	CHN	Radio China			Ge px
DARC	14310,0	1740	16	07	A3E	CHN	Radio China			Ge px "Wirtschaftsmagazin", S9, 2f
DARC	14310,0	1711	29	07	A3E	ALB	Radio China Interntl.			2nd harmonic of 7155, daily, relay Tirana, ALB
DARC	14320,0	1828	19	07	A3E		UiBC			carrier
DARC	14325,0	1529	03	07	G7B		UiMUX			frequency hopper
DARC	14332,0	0705	20	07	F1B		UiPTR			unid printer, fast reversals
DARC	14344,5	1706	08	07	G7D	EGY	MFA Cairo			Codan 9001, 16 x 75 Bd, QPSK, daily at various times
DARC	14350,0	1927	14	07	A3E		UiBC			harmonic of 7175
DARC	14350,0	1924	15	07	A3E	CHN	Radio China Interntl.			program in French, S7, 2f
DARC	14350,0	1740	16	07	A3E	CHN	RCI			program in Russian (?), S8, 2f
DARC	14350,0	1659	17	07	A3E	IRN	IRIB Tehran			2nd harmonic of 7175, daily
DARC	14350,0	1936	24	07	P0N	G / CYP	British OTH-Radar			is active, 50 pps
DARC	14350,0	0907	27	07	N0N		UiCAR			long lasting carrier
DARC	14350,0	vt	vd	07	G7B		UiMUX			frequency hopper heard 09 11 at 1931, 0752
DARC	18070,0	0703	25	07	P0N	G / CYP	British OTH-Radar			is active, 50 pps
DARC	18180,0	vt	19	07	JAM	CHN	Fire Drake Jammer			just information, heard 0945 – 1142
DARC	21000,0	1854	18	07	G7B		UiMUX			frequency hopper
DARC	21000,0	1032	20	07	P0N	G / CYP	British OTH-Radar			50 pps
DARC	21000,0	1840	31	07	G7B		UiMUX			frequency hopper
DARC	21370,0	1649	19	07	G7B		UiMUX			frequency hopper
DARC	24890,0	2148	12	07	P0N	I	Codar HF Radar			2 pps, location Naples
DARC	24890,0	vt	vd	07	P0N	I	Codar HF Radar			located Naples, 2pps, heard 02 19 at 1459, 1905
DARC	24950,0	0647	02	07	P0N	I	Codar HF Radar			is active 24950 - 25100
DARC	24950,0	1741	02	07	P0N	I	Codar HF Radar			is active 24950 - 25105
DARC	24950,0	1327	07	07	P0N	I	Codar HF Radar			located Naples, 2pps
DARC	24970,0	vt	vd	07	P0N	I	Codar HF Radar			location is Naples, heard 04 – 20 at 0707 – 1857, very harmful as covering the whole Amateur Band
DARC	24990,0	1325	07	07	P0N	G / CYP	British OTH-Radar			System 50 pps (= 50-Hz-system)
DARC	29684,7	vt	vd	07	G7B	I	UiMUX			serial modem, Italian MIL located Brescia, permanent, heard 04 18 at 1435, 1545
DARC	29685,0	1900	05	07	VFT	I	UiMUX			Italian MIL VFT, location Brescia, permanent
DARC	29699,5	1900	05	07	VFT	I	UiMUX			Italian MIL VFT, location Brescia, permanent
DARC	29699,7	vt	vd	07	G7B	I	UiMUX			serial modem, Italian MIL located Brescia, permanent,

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										heard 04 18 at 1435, 1545

IRTS – Ireland – EI4GXB (Ger)

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7000,0	0-24	DLY	07	FSK8	ALG	ALE	125	1750	ITALIAN CARABINIERI NET. LOTS OF 4 FIGURES CALLSIGNS
MRASZ	7000,0	VT	VD	07	FSK8	ALG	ALE	125	1750	ALGERIAN FORCES NET MADE MODERATE TRAFFIC. STATIONS WERE: DKJ, ASD,
MRASZ	7000,0	VT	VD	08	FSK8	LBY	ALE	125	1750	LIBIAN GMRA GHADAMES LIBYA. GHADAMES CONTACTED MOBILE.
MRASZ	7003,0			07	FSK8		ALE	125	1750	VERY STRANGE CALLSIGNS APPEARED. BHOPS1 MIGHT BE THE CENTER AND BH329, BH622 WERE THE STATIONS. IS IS A NEW OR ONLY USAF WERE CHANGING OF THEIR CALLSIGNS?
MRASZ	7005,0			07	FSK8		ALE	125	1750	
MRASZ	7010,0			07	FSK8		ALE	125	1750	SADLY ENOUGH, THE CS-RS NETWORK WORKS AGAIN. SOME SOURCES TITLE THIS NET AS A "MACEDONIAN MILITARY" BUT AS FOR ME IT CAN'T BE THAT. THERE IS NO ANY MILITARY NET ONLY WORKS ON WORKDAYS FROM 7-16. IT MIGHT EVEN BE CORREONDANCE SYSTEM USED BY AN OFFICE DEPLOYED IN THE BALKAN.
MRASZ	7014,0			07	FSK8	NIG	ALE	125	1750	NIGERIAN POLICE 411411 NET.
MRASZ	7020,0	7-16	VD	07	FSK8	UNID	ALE	125	1750	SADLY ENOUGH, THE CS-RS NETWORK WORKS AGAIN. SOME SOURCES TITLE THIS NET AS A "MACEDONIAN MILITARY" BUT AS FOR ME IT CAN'T BE THAT. THERE IS NO ANY MILITARY NET ONLY WORKS ON WORKDAYS FROM 7-16. IT MIGHT EVEN BE CORREONDANCE SYSTEM USED BY AN OFFICE DEPLOYED IN THE BALKAN.

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7026,0	VT	VD	07	FSK8		ALE	125	1750	LAST MONTH NEW INTRUDER WAS ACTIVE THIS MONTH AGAIN. CENTER STATION OUTLAWTOC CALLED OUTLAW11.
MRASZ	7060,0			07	FSK8		ALE	125	1750	
MRASZ	7065,0			07	FSK8	G	ALE	125	1750	DK0ESD - F4BXW AMATEUR ALE TRAFFIC HIGHLY WELCOME.
MRASZ	7070,0	0-24	DLY	07	FSK8	CHN	ALE	125	1750	CHINESE ARMY NET WAS ACTIVE AS USUAL.
MRASZ	7080,0	0-25	DLY	07	FSK8	CHN	ALE	125	1750	5810 SOUNDED
MRASZ	7090,0	0-26	DLY	07	FSK8	UNID	ALE	125	1750	4001 SOUNDED
MRASZ	7092,0	0-24	DLY	07	FSK8		ALE	125	1750	ITALIAN CARABINIERI NET. LOTS OF 4 FIGURES CALLSIGNS

OEVSV – Austria – OE3DMA (Alex)

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
RSGB	14102.0	24H	dly	07	?	Ui	F1B	100	850	Simplex STANAG 4481 link similar to that between Spanish mil. in Spain and Dubrovnic, Croatia in May. Latest DF results indicate possible locations on two ships. Baldock continues to investigate.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7008,0	0500-0700	2, 8	7		UiPTR	F1B		250	
SRAL	7010,0	0630-2000	*	7		UiMUX	F7			Days 2, 3, 10, 17, 18, 30 & 31
SRAL	7018,0	0700-0750	28	7		UiPTR	F1B		200	Dotter 36 Hz
SRAL	7018,8	0300-2000	*	7		UiPTR	F1B/N0			Days 1, 2, 4, 9, 10, 11 & 21
SRAL	7020,0	0600-1730	2, 3	7		UiPTR	F1B		250	
SRAL	7034,0	1130-1630	4, 11 18	7		UiPTR	F1B		250	
SRAL	7038,7	h24	dly	7	UKR	D	A1A			Sevastopol
SRAL	7038,8	0300-2100	1-26	7	RUS	P	A1A			Kaliningrad
SRAL	7038,9	h24	1-26	7	RUS	S	A1A			Severomorsk/Murmansk
SRAL	7039,0	h24	dly	7	RUS	C	A1A			Moscow
SRAL	7040,0	1110	26	7		UiPTR	F1B			
SRAL	7054,0	0500-0700	1-13	7	RUS	UiPTR	F1B		200	25 Hz dotter.
SRAL	7054,0	1700-1900	1-13	7	RUS	UiPTR	F1B		200	25 Hz dotter.
SRAL	7054,0	1900-0500	*	7	RUS	UiPTR	F1B		200	25 Hz dotter. Days 15-22, 25 & 26
SRAL	7058,0	1230-1900	*	7	RUS	UiPTR	F1B		250	Days 2, 17, 22 & 27
SRAL	7060,0	1530-1730	15	7		UiMUX	F7			

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7077,8	0650-1830	*	7		UiPTR	F1B		990	Days 3, 9 & 29
SRAL	7080,0	0915	24	7		UiPTR	F1B		500	
SRAL	7091,5	0700-0900	4, 5, 17	7		UiMUX	F7			
SRAL	7096,0	0710	17	7		UiMUX	F7			
SRAL	7100,0	1755-2100	dly	7	KRE	Voice of Korea	A3E			
SRAL	7105,0	1300-1530	dly	7	CHN	JAM	A3E			"Firedrake" also on 7130 & 7185 kHz 1300-1800
SRAL	7122,0	h24	dly	7	RUS	RDL	F1B/A		200	25 Hz dotter, MR 5F
SRAL	7158,0	0720	3	7		UiCW	A1A			MR 5F groups twice
SRAL	7162,0	1130-1500	*	7		UiPTR	F1B		250	Days 2, 18 & 23
SRAL	7167,0	1130-1330	*	7		UiPTR	F1B		250	Days 2, 18 & 23
SRAL	14008,0	0745-1320	13, 17	7	RUS	UiPTR	F1B/ N0	50	250	Velikie Luki
SRAL	14102,0	0945-1600	25, 29	7		UiPTR	F1B			
SRAL	14104,0	0720-1010	*	7		UiPTR	F1B		250	Days 1, 3, 5, 9, 10, 18 & 27
SRAL	14108,0	0725-0955	5, 31	7		QHBD	A1A			Calls VHGV, 5BL
SRAL	14120,0	0720-1115	*	7		UiPTR	F1B		250	Days 3, 4, 5, 10, 15, 21 & 24
SRAL	14122,0	0735-1230	*	7		UiMUX	F7			Days 2, 8, 17, 27 & 31
SRAL	14141,0	0920-0950	15	7		UiPTR	F1B		500	
SRAL	14148,0	0930	9	7		UiCW	A1A			MR 5BL
SRAL	14160,0	0910-1140	9, 17	7		UiPTR	F1B		250	
SRAL	14184,0	0835	21	7		UiPTR	F1B		245	
SRAL	14204,0	0900-1000	9	7		UiPTR	F1B		250	
SRAL	14206,0	0840-1230	2	7		UiMUX	F7			
SRAL	14220,0	0655-0915	8, 9	7		UiMUX	F7			
SRAL	14240,0	0820-1150	3, 31	7		UiPTR	F1B		250	
SRAL	18100,0	1115-1135	12	7	CYP/G	OTHR	P0N			
SRAL	18130,0	0750	17	7		UiPTR	F1B		1000	
SRAL	21150,0	1440	13	7	CYP/G	OTHR	P0N			
SRAL	28055-28665	1040-1300	1	7		UiFM	F3E			18 reports
SRAL	28085-28145	0840-1300	2	7		UiFM	F3E			3 reports
SRAL	28000-29305	0615-1150	4	7		UiFM	F3E			37 reports
SRAL	28075	1015	5	7		UiFM	F3E			1 report
SRAL	28075-28235	1155-1300	10	7		UiFM	F3E			3 reports
SRAL	28025-28285	1540-1630	15	7		UiFM	F3E			7 reports

USKA – Switzerland – HB9CET (Peter)

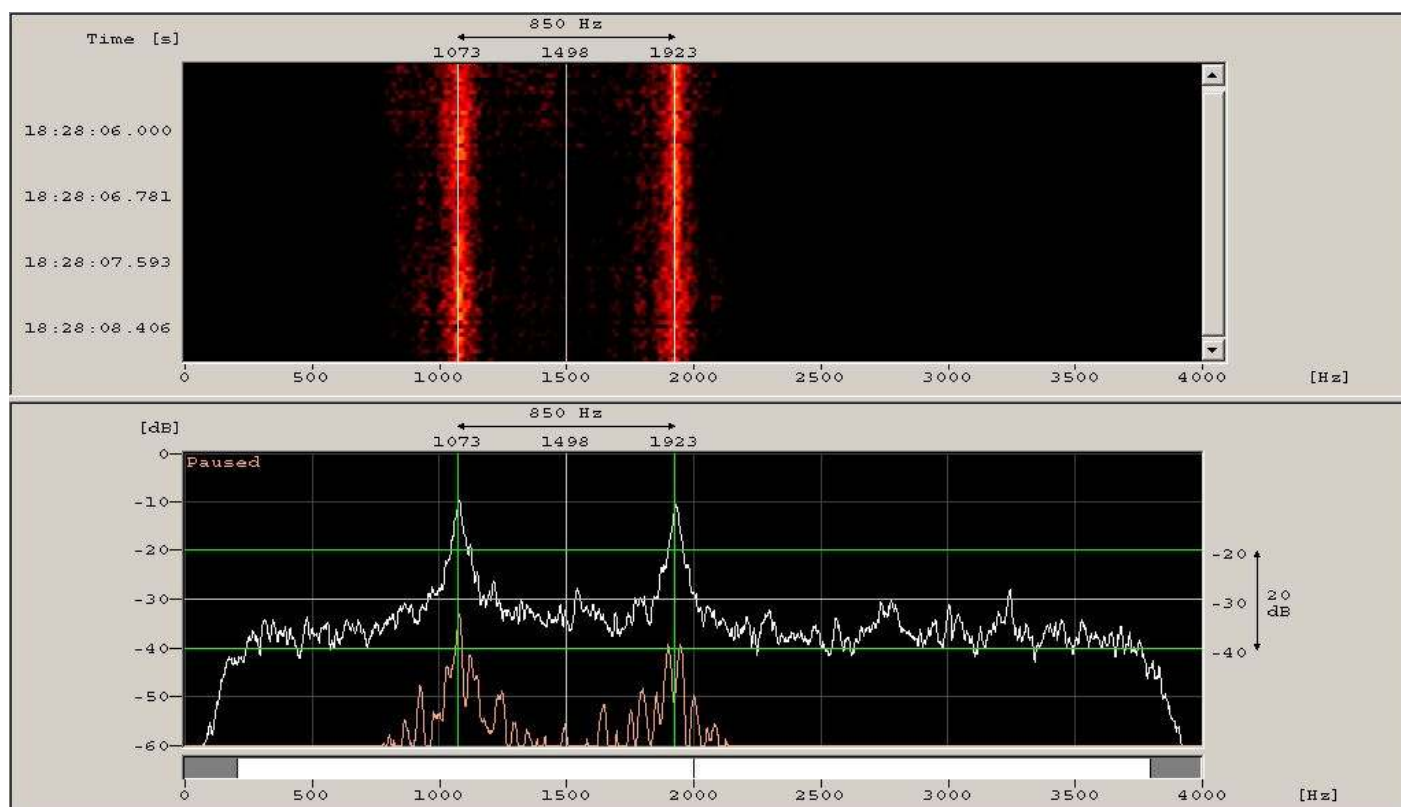
SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	2111	06	07			FSK8	8x125	1750	ALE MIL188-141A daily this was 2211
USKA	7000.0	0821	07	07			FSK8	8x125	1750	ALE MIL188-141A "to 205"
USKA	7000.0	0823	07	07			FSK8	8x125	1750	ALE MIL188-141A daily to 300 this is 204
USKA	7010.0	1508	03	07			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7010.0	1852	17	07			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7020.0	1511	03	07			F1B	75	250	unident printer
USKA	7038.7	1554	01	07	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	1555	05	07	RUS	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	1557	01	07	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1559	01	07	RUS	C	A1A			Beacon C Moscow daily
USKA	7054.0	1754	07	07	RUS		F1B	50	200	QTF: Nishniy Novgorod daily
USKA	7060.0	1534	15	07			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7075.0	1501	05	07			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7089.0	1708	08	07	BLR		A3E			Splatter from 7105 daily
USKA	7090.0	1415	16	07			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7091.5	1422	03	07			F1B	81	250	CIS-81
USKA	10135.0 - 10160.0	1613	01	07	CYP		P0N			OTH Radar 50 pps
USKA	14008.0	1315	07	07			F1B	50	250	unident printer
USKA	14026.0	1422	14	07			J7D	12x120		QPSK-12: CIS 12 = AT3004D
USKA	14104.0	0802	19	07			F1B	81	250	CIS-81
USKA	14108.0	1347	18	07			F1B	50	250	idling
USKA	14118.0	1341	18	07			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14120.0	0926	19	07			F1B	81	250	CIS-81 almost daily
USKA	14144.4	1401	18	07			?		150	unident 2 Ton Signal, unstable
USKA	14144.5	1617	15	07			?		150	unident 2 Ton Signal, unstable
USKA	14192.0	1509	05	07			F1B	50	500	unident printer daily
USKA	14204.0	0752	16	07			F1B	81	250	CIS-81
USKA	14240.0	1142	03	07			F1B	50	250	unident printer
USKA	14242.0	0911	07	07			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14248.5	1134	31	07			F1B		600	ARQ Burst Signal daily
USKA	14285.0	2051	17	07		VOR, CRI	A3E			IM, russian BC, with a 2nd emis- sion in the background daily
USKA	14342.5	0828	16	07			A1A			figures in groupes of 5
USKA	18080.0	0900	07	07	D		A3E			Deutsche Welle, Nachrichten
USKA	21010.0	1103	01	07			A3E			long spanish conversation
USKA	28105.0	1137	01	07	E		J3E			spanish, unident, roger pieps
USKA	145000.0	1640	07	07	F		F3E			Meteo Beacon "Agy Plane" for Paragliders: TX in 15' sequence

Veron – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7034,0	18.18	4	7		UiPtr	F1B		Ptr
VERON	7038,7	vt	vd	7	UKR	D	A1A		beacon, 12 days, 04.02-20.34 utc
VERON	7038,8	vt	vd	7	RUS	P	A1A		beacon, 19 days, 04.02-20.34 utc
VERON	7038,9	vt	vd	7	RUS	C	A1A		beacon, 24 days 04.02-20.34 utc
VERON	7038,9	vt	vd	7	RUS	S	A1A		beacon, 20 days 04.02-20.34 utc
VERON	7054,0	19.56	14	7	RUS	UiPtr	F1B	200	Revs Novgorod
VERON	7054,0	19.15	22	7		UiPtr	F1B	200	Ptr
VERON	7054,0	vt	vd	7	RUS	UiPtr	F1B	250	Ptr/Revs, 12 days
VERON	7054,0	17.00	11	7	RUS	UiPtr	F1B		Revs, starts at exactly 17.00 utc
VERON	7056,0	07.04	5	7	CIS	1SBE	A1A		to NIMK, 3QLP, QSEE, H11N, 6IIS etc
VERON	7122,0	07.25	21	7		UiPtr	F1B	250	Ptr
VERON	7122,0	vt	vd	7		UiPtr	F1B	200	Ptr/Revs, 2 days
VERON	14008,0	vt	vd	7		UiPtr	F1B	250	Ptr/Revs, 9 days 07.42-14.25 utc
VERON	14025,0	10.05	24	7		UiMUX	J7D		12 tone system AT 3004D
VERON	14096,0	11.54	31	7	CIS	UiCW	A1A		Q-codes/5BL (ending 740 rpt all

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
									QLN k)
VERON	14102,0	10.09	24	7		UiPtr	F1B	250	Ptr
VERON	14104,0	09.15	18	7		UiPtr	F1B	250	Ptr nr Minsk
VERON	14104,0	vt	vd	7		UiPtr	F1B	250	Ptr, 3 days 09.15 utc
VERON	14108,0	05.24	1	7	CIS	ZCG4	A1A		to PTZD:ZXR ZWH ZMB QYT 6 k
VERON	14108,0	05.28	1	7	CIS	I6LU	A1A		to PTZD:QTC k/ 5BL
VERON	14108,0	05.32	1	7	CIS	Y1CQ	A1A		QTC AR / many times
VERON	14108,0	05.40	1	7	CIS	ZCG4	A1A		to PTZD: ZKU ZDY ZPY QYT6 K
VERON	14108,0	07.04	1	7	CIS	I6LU	A1A		5BL
VERON	14108,0	07.41	3	7	CIS	ZCG4	A1A		to 6GQ5: ZCL ZWN ZBC QYT6 K
VERON	14108,0	06.29	4	7	CIS	I6LU	A1A		to A1QN, PYTG,YNDK, ZG5L, NF8L, proc
VERON	14108,0	07.34	12	7	CIS	5CIG	A1A		to F1A4:QBE QYT6 K
VERON	14108,0	07.36	12	7	CIS	ET8U	A1A		to F1A4:QRR3 K
VERON	14108,0	07.07	14	7	CIS	F1TS	A1A		to WKPA:ZKZ ZHN ZLV QYT9 K
VERON	14108,0	08.37	16	7	CIS	F1TS	A1A		to SBLR:ZVZ ZFR ZKO QYT9 K
VERON	14108,0	09.45	16	7	CIS	5CIG	A1A		to WKPA:ZRM ZBZ ZYV QYT9 K
VERON	14108,0	07.27	17	7	CIS	ET8U	A1A		to 1YYS,DGXB,SBLR, proc
VERON	14108,0	09.10	23	7	CIS	QHBD	A1A		to WMOX,QTC ZKS K 5BL
VERON	14108,0	05.28	30	7	CIS	Y1CQ	A1A		QTC ZJN AR
VERON	14108,0	05.32	30	7	CIS	QHBD	A1A		QHBD 182 17 30 0840 182=ZJN 415 5BL
VERON	14108,0	06.00	31	7	CIS	WEGI	A1A		XXX WEGI 24734 WINILISDID 2592 1340
VERON	14108,0	06.59	31	7	CIS	QHBD	A1A		to WMOX VHGV ISFK TLZT 5IWR YHG1
VERON	14108,0	09.06	8	7	CIS	I6LU	A1A		5BL, Proc
VERON	14108,0	07.07	10	7	CIS	Y1CQ	A1A		Y1CQ QTC ZQZ AR
VERON	14108,0	07.09	10	7	CIS	I6LU	A1A		to A1QN, YNDK,PYTG,NF8L, PTZD,ZG5L
VERON	14108,0	05.35	11	7	CIS	5CIG	A1A		to SBLR: 5BL, proc
VERON	14116,0	06.45	19	7	RUS	UiMUX	J7D		12 tone system AT 3004D
VERON	14116,0	08.20	31	7		UiPtr	F1B		Ptr
VERON	14116,0	05.29	25	7	CIS	UiPtr	F1B	250	Ptr
VERON	14120,0	07.50	15	7	RUS	UiPtr	F1B	250	Ptr nr Moscow
VERON	14120,0	09'04	17	7	RUS	UiMUX	J7D		12 tone system AT 3004D
VERON	14120,0	vt	vd	7		UiMUX	J7D		12 tone system AT 3004D, 2 days
VERON	14120,0	vt	vd	7		UiPtr	F1B		Revs/Ptr, 2 days
VERON	14148,0	07.31	12	7	RUS	RGT77	A1A		RGT77 340= 5BL=K
VERON	14148,0	07.33	14	7	RUS	RGT77	A1A		RGT77 703= 5BL= K
VERON	14148,0	07.17	10	7	RUS	UiCW	A1A		5BL
VERON	14148,0	06.44	25	7	RUS	RGT77	A1A		RGT77 644= (5BL)= K
VERON	14160,0	09.06	25	7		UiCW	A1A		4F
VERON	14184,0	08.27	22	7		UiPtr	F1B	250	Ptr
VERON	14192,0	17.49	11	7	RUS	UiPtr	F1B	500	Revs Rus Navy Kalininigrad
VERON	14192,0	06.53	19	7	RUS	UiPtr	F1B	500	Rus Navy
VERON	14192,0	06.26	25	7	RUS	UiPtr	F1B	500	Ptr
VERON	14192,0	vt	vd	7	RUS	UiPtr	F1B		Revs, 4 days
VERON	14192,0	05.24	25	7	CIS	UiPtr	F1B	500	Revs, 06.38 utc
VERON	14204,0	07.47	16	7	CIS	UiPtr	F1B	250	Ptr
VERON	14220,0	07.40	23	7		UiPtr	F1B	500	Ptr
VERON	14240,0	31	7	7		UiPtr	F1B		Ptr
VERON	14252,0	08.29	22	7		UiMUX	J7D		12 tone system AT 3004D
VERON	14332,0	07.20	21	7		UiPtr	F1B	250	Ptr
VERON	14333,0	09.03	25	7		UiPtr	F1B	250	Ptr
VERON	24899,0	12.14	31	7		UiPtr	F1B		Revs

Stanag 4481 (F1B - 100 Bd, 850 Hz shift) daily on 14102 kHz – 2 systems, one transmitting from the area of Malaga (south Spain) and the other one from north of Athens – possibly from ships - screenshot: DK2OM with Wavecom W61 decoder – sonagram and spectrogram



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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