



Monitoring System

DK2OM – Wolf Hadel
Co-ordinator of IARUMS Region 1
Editor of the Newsletter

DJ9KR – Uli Bihlmayer
Vice Co-ordinator of IARUMS Region 1
Editor of the German Overview

The monthly newsletter for Region 1

June 2011

The members of the IARUMS Region 1 Monitoring Team:



Acknowledgements

++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ CAST: DL1BDF – Mustapha ++
++ EARA: SU1SA – Sayed ++ IRTS: EI4GXB - Ger ++ KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++
++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++ OEVSU: OE3DMA – Alex ++ PZK: SP3SUZ – Wladyslaw ++
++ RAL: OD5MV – Raja ++ REP: CT4AN – Jose ++ RSGB: G4BOH - Chris ++ SARI: ZS1FCS - Fred ++
++ SRAL: OH2BLU - Pekka ++ UBA: ON4VJ Johny ++ URE: EA5DY - Salvador ++ USKA: HB9CET - Peter ++
++ VERON: PA0GRU - Dick ++ ZRS: S56ZDB – Darko ++ G3VZV – Graham (satellite intrusions) ++
++ VK3MV – Peter (Co-ordinator Region 3) ++ DF8FE – Martin (Webmaster assistance) ++ DL8AAM (ALE) ++
++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++ IARU Region 1 assistance ++ OD5TE (Hani)
++ PB2T – Hans (IARU R1 President) ++ G3PSM - Colin (EC-IARU-R1) ++ German PTT (BNetzA) ++

Part 1: News and infos

Part 2: Detailed reports of the national co-ordinators

Part 1: News and Infos

1. UBA Belgium – new member!

The new UBA MS – Coordinator is ON4VJ – Johnny Verhoeven. Welcome to our Monitoring Team Region 1 dear Johnny! Our Monitoring System has now 22 members.

2. Inofficial IARUMS Region 1 Meeting and Lectures at Lake Konstanz on June 25th 2011

Participants: DJ9KR, HB9CET, HA7PL, OD5TE, VE6SH, PB2T, VU2GMN, DK2OM and many other Hams



HB9CET (Peter) and DJ9KR (Uli) preparing their lectures

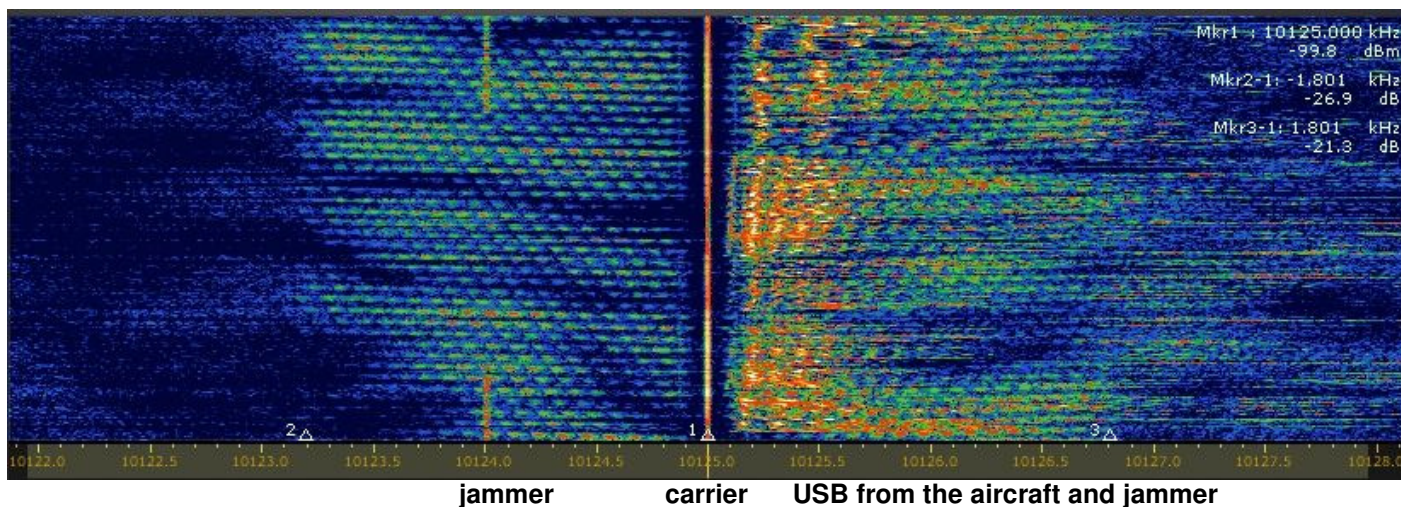
3. Commando Solo on 10125 kHz

Many Hams were very astonished to hear a male voice talking in English and Arabic voice on 10125 kHz in USB on several days. The solution: The US-Airforce aircraft “Commando Solo” was talking to the regular Libyan military telling them to observe the UN resolutions and human laws. The screenshot below is showing the USB transmission from the aircraft and a jamming signal (A3E, carrier and both sidebands) from the Libyan military at Tripolis.

This frequency is normally used by the Libyan GMMRA in ALE (MIL-188-141A) every day.

GMMRA = Grand Man Made River Association

Screenshot: HB9CET with Perseus --- **Do not forget: 10100 – 10150 kHz is a shared band!**



4. Church divine service on 28265 kHz

The church divine service on 28265 kHz in FM in Ireland (Cam) was still active and well audible in Germany. The German PTT (BNetzA) has been informed.

- 5. Homepage IARU Region 1 <http://www.iaru-r1.org/>
- Homepage IARUMS Region 1 <http://www.iarums-r1.org>
- Homepage IARUMS Region 2 [not available](#)
- Homepage IARUMS Region 3 <http://www.iaru-r3.org/ms/>

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 *** SP = spacing *** 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 (unid) = 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 *** MOI = Ministry of Interior *** MOPO = Ministry of Public Order *** IARUMS = IARU Monitoring System *** UTC = Universal Time Coordinated

ARSK MONITORING OVERVIEW FOR JUNE 2011

There was very little heard this month, and I was away for two weeks. Khartoum, Addis Ababa and Eritrea maintained their broadcasts in the range 7100 – 7200 kHz.

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	7074.0	vt	*	6	SDN	UiPHONE	J3Eu	NGO. Vernacular, English, phonetic messages, possibly encrypted. *5,
ARSK	7075.0	0610	5	6	DRC	UiPHONE	J3Eu	Vernacular.
ARSK	7110.0	vt	*	6	ERI?	UIBC	A3E	Broadcast. *1,
ARSK	7175.0	vt	*	6	ERI?	UiBC	A3E	Broadcast.
ARSK	7200.0	vt	dly	6	SDN	Khartoum	A3E	Broadcast in Arabic, Khartoum.

DARC 1 – Germany – DJ9KR (Ui)

BC transmissions, IM products, harmonics, IM-products = blue

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	3500,0	1950	13	06	E	UiILL	J3E-U	Spanish fishery
DARC	3500,0	1930	15	06	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3500,0	1350	21	06	G	UiILL	J3E-U	UK fishery
DARC	3502,0	2138	13	06	CIS	UiCLD	A3E	CIS pirates, carrier rocking
DARC	3517,0	2134	10	06	CIS	UiCLD	A3E	CIS pirates, unstable carrier
DARC	3535,0	1848	26	06	S.Eu	UiILL	J3E-U	male person in Servo-Croatian voice
DARC	3555,0	1607	01	06	MRC	UiILL	J3E-U	Moroccan fishery
DARC	3560,0	2200	06	06	E	UiILL	J3E-U	Spanish fishery
DARC	3579,0	1941	22	06	E	UiILL	J3E-U	Spanish fishery disturbing RTTY and PSK31
DARC	3580,0	2104	29	06		UiCW	A1A	3 times 7 dashes "DE PIRATE BEACON" - report DL4SXB
DARC	3590,0	2138	09	06	F	French Lis Amateurs	J3E	French lis amateurs in SSB-LSB and also in SSB-USB in CW section
DARC	7000,0	2035	06	06		UiILL	J3E-U	pirates in Arabic voice, spelling figures
DARC	7000,0	1735	17	06	I	UiILL	J3E-U	pirates in Italian language
DARC	7000,0	0830	18	06	F	UiILL	J3E-U	pirates in French language
DARC	7000,0	2009	20	06	E	UiILL	J3E-U	Spanish fishery
DARC	7000,0	1049	30	06	E	UiILL	J3E-U	Spanish fishery
DARC	7009,0	2035	22	06	RUS	V.o.Russia	A3E	Russian px, S9, is IM
DARC	7009,0	2059	28	06	RUS	V.o.Russia	A3E	Church bell ringing for a long time, Russian divine service
DARC	7013,0	0850	10	06	RUS	UiMUX	PSK4	mux, is AT-3004-D, location Kaliningrad
DARC	7033,0	2035	22	06	RUS	UiMUX	PSK	unid AT-3004-D
DARC	7038,5	0604	30	06	CZE	OK9EU	A1A	not coordinated beacon, long lasting carrier with CW ID
DARC	7038,7	0604	30	06	UKR	beacon D	A1A	is beacon Sevastopol

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	7039,0	1623	29	06	RUS	beacon C	A1A	is beacon Moscow
DARC	7054,0	2035	22	06	RUS	UiPTR	F1B	fast reversals, chirpy signal
DARC	7054,0	2052	29	06	RUS	UiPTR	F1B	fast reversals, chirpy signal
DARC	7105,0	vt	12	06	TUN	RTV Tunisia	A3E	Ar mx, S9+15dB, is IM, found fundamental on 7225
DARC	7105,0	2200	29	06	CHN	R.China	A3E	Chinese px to jam Sound of Hope
DARC	7105,0	2200	29	06	TWN	Sound of Hope	A3E	Chinese px, jammed by R.China
DARC	7110,0	1557	23	06	ERI	VOBME	A3E	weak signal
DARC	7110,0	1557	23	06	ETH	ETH Govt. Jammer	JAM	white noise jammer on VOBME
DARC	7110,0	0425	30	06	ERI	VOBME	A3E	under heavy white noise jam of ETH Government
DARC	7110,0	0425	30	06	ETH	ETH Govt. Jammer	JAM	heavy white noise jam of ETH Government
DARC	7120,0	1758	01	06	ERI	VOBME	A3E	at 1800: "Eritriya"
DARC	7120,0	1556	23	06	ETH	ETH Govt. Jammer	JAM	white noise jammer on VOBME
DARC	7124,5	1623	29	06		UiPTR	F1B	unid printer
DARC	7125,0	2113	01	06	GUI	R.Conakry	A3E	s/off at 2114
DARC	7125,0	2148	10	06	GUI	R.Conakry	A3E	French px, S9+10dB
DARC	7125,0	2117	13	06	GUI	R.Conakry	A3E	Vernacular voice
DARC	7125,0	2035	22	06	GUI	R.Conakry	A3E	French px, S9+10dB
DARC	7125,0	1602	29	06		UiPTR	F1B	unid printer - report DL4SXB
DARC	7140,0	2000	28	06		UiMUX	PSK2	PSK2, AT-3004-D, multiplex S9+20dB - report DL4SXB
DARC	7140,0	vt	29	06		UiMUX	PSK2	mux heard 2054 - 2205
DARC	7165,0	1607	01	06	ETH	ETH Govt. Jammer	JAM	White noise jammer on VOBME
DARC	7165,0	1623	29	06	ETH	ETH Govt. Jammer	JAM	white noise jammer on VOBME
DARC	7165,0	1623	29	06	ERI	VOBME	A3E	white noise jammer on VOBME
DARC	7165,0	0425	30	06	ERI	VOBME	A3E	under heavy white noise jam of ETH Government
DARC	7165,0	0425	30	06	ETH	ETH Govt. Jammer	JAM	heavy white noise jam of ETH Government
DARC	7169,9	1758	01	06	ERI	VOBME	A3E	typical music, S9+25dB
DARC	7170,0	1650	23	06	ERI	VOBME	A3E	
DARC	7170,0	1650	23	06	ETH	ETH Govt. Jammer	JAM	white noise jammer on VOBME
DARC	7175,0	1612	12	06	ETH	ETH Govt. Jammer	JAM	white noise jammer on VOBME
DARC	7175,0	1612	12	06	ERI	VOBME	A3E	white noise jammer on VOBME
DARC	7175,0	1556	23	06	ERI	VOBME	A3E	typical music
DARC	7175,0	1557	23	06	ETH	ETH Govt. Jammer	JAM	white noise jammer on VOBME, s/on at 1557
DARC	7175,0	0425	30	06		UiBC	A3E	unid BC
DARC	7175,0	0604	30	06		UiMUX	PSK2	multiplex PSK2
DARC	7189,0	1623	29	06		UiMUX	PSK2	multiplex PSK2, AT-3004-D, location area of Moscow
DARC	7195,0	vt	29	06	UGA	Radio Uganda	A3E	En px, western music, long talks man/woman about "African traditions" - mod. slightly distorted and difficult to read, heard 2104 - 2204 /s/off - S9+25dB
DARC	7200,0	2035	22	06	SDN	R.Omdurm an	A3E	Ar px
DARC	7200,0	0425	30	06	SDN	R.Omdurm an	A3E	Ar px
DARC	10115,0	2155	16	06	E	UiILL	J3E-U	Spanish fishery
DARC	10120,0	0843	15	06	RUS	UiILL	A3E	figures in Russian, area of Moscow
DARC	10121,5	2140	16	06	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10125,0	1430	01	06		NATO PsyOps	J3E-U	msg in English and Arabic for the Gaddafi troupes, heard 1430 s/on - 1450 s/off
DARC	10125,0	1404	05	06		NATO PsyOps	J3E-U	msg in English and Arabic for the Gaddafi troupes

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	10125,0	2034	26	06	E	UiILL	J3E-U	Spanish fishery
DARC	10125,0	vt	vd	06		NATO PsyOps	J3E-U	NATO PsyOps (Psychological Operations) against the Gaddafi troupes. Pse hit in Google "NATO 10125 kHz") for more information and wonderful .wav-files and text - is legal!
DARC	14000,0	2010	15	06	B	UiILL	J3E-U	Brazilian pirates
DARC	14000,0	0718	21	06	GRC	UiILL	J3E-U	Greek voice
DARC	14008,0	0813	08	06		UiPTR	F1B	unid printer
DARC	14026,0	1623	29	06		UiMUX	PSK2	unid multiplex PSK2, AT-3004-D, location Moscow area., S9+15dB
DARC	14108,0	0813	08	06		UiCW	A1A	5f traffic, also "xxxxx"
DARC	14120,0	0813	08	06		UiPTR	F1B	unid printer
DARC	14172,2	0825	22	06	RUS	WUXC	A1A	call "WUXC", traffic with F and L - report DL4SXB
DARC	14295,1	1827	04	06	TJK	R.Tajikistan	A3E	is 3rd harmonic of 4765, daily
DARC	14295,1	1641	29	06	TJK	R.Tajikistan	A3E	S9-signal, pulsating carrier
DARC	18180,0	0855	22	06	CHN	Hainan Firedrake Jammer	JAM	just info!
DARC	21000,0	1100	13	06		UiILL	J3E-U	unknown traffic with vocoder, QTE 060 degs.
DARC	21000,0	1700	25	06	SDN	MFA Sudan	J3E-U	MFA Sudan with Sudan Emba Yemen
DARC	21000,0	1527	28	06	SDN	MFA Sudan	J3E-U	MFA Sudan with Sudan Emba Yemen
DARC	21000,0	vt	vd	06	F.Ea	UiILL	J3E-U	Far East pirates heard 05 06 at 0937, 1010 - QTE 100 degs.
DARC	21125,0	vt	30	06	E / MRC	Fishing Vessel	J3E-U	2 male persons in Spanish voice, fishery fishing "gambas", one is Manolo from Huelva, Spain. Position of ship: 33 ° N / 08 ° 40 ' W off the coast of Morocco, nr. Casablanca - heard 1735 - 1742 - Manolo excuses and leaves the QRG
DARC	28000,0	vt	02	06		Fishnet Buoys	A1A	in range 28020,3 - 28475 at 0800 and 1400 heard 56 fishnet buoys in CW-A1A with 1, 2 or 3 letters - report DJ7KG
DARC	28000,0	2040	29	06	I	UiILL	F3E	male person in Italian voice
DARC	28005,0	0658	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28025,6	0921	23	06	E	UiILL	A3E	2 male persons in Spanish voice
DARC	28035,0	1958	02	06	E	UiILL	J3E-U	Spanish CB-er in SSB-USB
DARC	28035,0	1432	10	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28055,0	1957	02	06	B	UiILL	A3E	CB-er from Brazil in AM
DARC	28055,0	2004	10	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28055,0	1402	19	06	CIS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28055,0	2046	27	06	CIS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28065,0	1957	02	06	B	UiILL	A3E	CB-er from Brazil in AM
DARC	28065,0	2204	10	06	RUS	Taxi Cabs	F3E	Taxi Cabse in Russian voice
DARC	28065,0	0657	29	06	RUS	Taxi Cabs	F3E	Taxi Cabse in Russian voice
DARC	28075,0	1955	02	06	B	UiILL	A3E	CB-er from Brazil in AM
DARC	28085,0	1928	10	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28085,0	0921	23	06	E	UiILL	A3E	2 male persons in Spanish voice
DARC	28085,0	0642	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28085,0	0805	30	06	E	UiILL	A3E	2 male persons in Spanish voice
DARC	28085,0	1624	30	06	E	UiILL	A3E	Spanish male person
DARC	28105,0	1432	10	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28105,0	0641	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice
DARC	28125,0	0638	03	06	E	UiILL	A3E	2 Spanish male persons
DARC	28125,0	0644	11	06	RUS	Taxi Cabs	F3E	Taxi Cabse in Russian voice
DARC	28135,0	0645	04	06	E	UiILL	A3E	Spanish male person
DARC	28135,0	0920	13	06	POR	UiILL	A3E	2 male persons in Port. Voice
DARC	28135,0	1624	30	06	E	UiILL	A3E	Spanish male person
DARC	28135,8	0640	03	06	F	UiILL	A3E	French male person
DARC	28145,0	1956	02	06	B	UiILL	A3E	CB-er from Brazil in AM
DARC	28145,0	0642	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments	
DARC	28185,8	0727	30	06	E	UiILL	A3E	Spanish male person	
DARC	28205,0	1901	16	06	F	UiILL	A3E	French CB-ers	
DARC	28205,0	0731	30	06	E	UiILL	A3E	Spanish male person, S9-signal	
DARC	28207,5	0802	30	06	E	Fishing Vessel	A3E	2 male persons in Spanish voice, "agua" (= water) mentioned, S9-signal	
DARC	28207,8	0921	13	06	E	UiILL	A3E	2 male persons in Spanish voice, "agua" (= water) mentioned, S9-signal	
DARC	28235,0	0816	30	06	E	UiILL	A3E	2 male persons in Spanish voice	
DARC	28245,0	1956	02	06	B	UiILL	A3E	CB-er from Brazil in AM	
DARC	28247,6	0727	30	06	E	Fishing Vessel	A3E	Spanish fishery, "barco" and "agua" mentioned - with stn on 28245	
DARC	28265,0	1624	30	06	E	UiILL	A3E	Spanish male person	
DARC	28285,0	1433	10	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	28295,0	vt	vd	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice, heard 08 11 at 0752, 1048	
DARC	28305,0	0700	12	06	I	IK8IPN	F3E	OP Aurelio - FM in AM section, not good but no pirate!	
DARC	28305,0	0700	12	06	I	IZ8CKV	F3E	OP Giovanni - FM in AM section, not good but no pirate!	
DARC	28305,0	0616	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	28305,0	0937	28	06	I	IZ8QMJ	F3E	OP Pasquale - FM in AM section, not good but no pirate!	
DARC	28305,0	0937	28	06	I	IK8IPN	F3E	OP Aurelio - FM in AM section, not good but no pirate!	
DARC	28305,0	0937	28	06	I	IZ8CKV	F3E	OP Giovanni - FM in AM section, not good but no pirate!	
DARC	28635,0	0641	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	28655,0	0849	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	28805,0	0640	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	28895,0	0850	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	28935,0	0645	11	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	28935,0	0851	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	28940,0	0848	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	
DARC	29065,0	0849	28	06	RUS	Taxi Cabs	F3E	Taxi Cabs in Russian voice	

DARC 2 – Germany - DK2OM (Wolf)

PSE observe:

FSK transmissions -> center frequency between mark and space

PSK transmissions -> center frequency (subtract the modem frequency!)

ALE (MIL188-141A) -> USB frequency – exclusive bands: black – nonexclusive: blue

SH = shift --- SP = spread (radar)

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	1812,0	vt	vd	06	POL		A3E			Polish "PIP" – 10 tones – North-Poland – Baltic coast - POL Navy ?
DARC	1876,8	ady	dly	06	G		PSK8	2400	2400	Stanag4285 - 1200 bps long - Scotland
DARC	1896,5	ady	dly	06	D		PSK8	2400	2400	Stanag4285 - 600 bps long - German Navy
DARC	3500,0	vt	dly	06	TUR	no ITU	FSK8	125	1750	ALE, "2015" "2016" "1020"- Turkish Red Crescent - legal
DARC	3500,0	1848	14	06			FMCW			unid OTH Radar - burst system
DARC	3503,5	vt	dly	06	G	no ITU	FSK8	125	1750	ALE – "XSS" "XPU" – British MIL Tascomm
DARC	3510,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, "JE30" "PT30"
DARC	3527,0	1900	dly	06	RUS		F1B	50	200	Severomorsk - daily
DARC	3531,0	1924	16	06	RUS		A1A			33 dots/sec - Kaliningrad
DARC	3533,0	vt	dly	06	E	no ITU	FSK8	125	1750	ALE, "TZSC2" "TWBZ1" - Spanish Guardia Civil
DARC	3544,8	1917	15	06	TUR	no ITU	PSK8	2400	2400	Stanag4285 - north-west of Ankara

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	3545,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, "FL49" "FL57" "PT50" - ALG MIL + voice traffic USB and scrambler
DARC	3550,7	vt	vd	06	ISR		PSK4	75	2600	MIL-188-110A - hybrid
DARC	3553,8	ady	dly	06	TUR		PSK8	2400	2400	Stanag4285 – TUR MIL - Ankara
DARC	3555,8	vt	vd	06	KGZ		F1B	201.5	200	
DARC	3558,0	vt	dly	06			FSK8	125	1750	ALE, "102" "206"
DARC	3569,0	vt	vd	06	RUS	P	F1B			beacon "P" - Kaliningrad – F1B/A1A
DARC	3569,0	2143	10	06	EST		F1B	50	250	Estonia
DARC	3577,0	ady	dly	06	I	IZ3DVW	A1A			IZ3DVW – beacon not coordinated with IARU
DARC	3585,0	1700	dly	06	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax - legal!
DARC	3590,0	vt	dly	06	PAK	no ITU	FSK8	125	1750	ALE, "KW" "BABUR" "KHA" "KHAIBAR" "BADR" "NASR"
DARC	3595,0	vt	dly	06	D	no ITU	FSK8	125	1750	ALE, „ZLST“ „ZPRI“ „ZSHO“ „ZBOR“ „ZEMD“ „ZHEL“ „ZKNI“ „ZBOR“ „BPLEZS“ German customs – North-Germany
DARC	3596,0	vt	dly	06	HRV	9A0ALE	FSK8	125	1750	Croatian emergency ALE-net --- for info!
DARC	3596,0	2000	19	06	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	3603,0	vt	vd	06	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DARC	3603,0	vt	dly	06	ALG?	no ITU	FSK8	125	1750	ALE, "PT01JL94" "JL05JL94"
DARC	3608,0	2155	10	06	RUS		F1B	50	200	Kaliningrad
DARC	3611,5	vt	dly	06	D		PSK8	200	500	German APRS Net in Robust Packet - just for info!
DARC	3617,0	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, "9A5EX1P" – HAM-ALE - just for info
DARC	3622,5	2100	24	06	J	JMH	F1C			Tokyo Meteo – 120 rpm – IOC576 – daily, legal!!!
DARC	3756,0	ady	dly	06	UKR		A3E			UKR – pip – 10 tones
DARC	3782,0	ady	dly	06	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	3791,0	2145	01	06	UKR		F1B	40.5	250	system - Frost1 - area of Lvov
DARC	7000,0	vt	dly	06	IRQ	no ITU	FSK8	125	1750	ALE, "MEDOPS" "BMROPS" "LNGKNF" "EAGLE" "HFCFSR" "R23747" "R24594" US MIL
DARC	7001,8	1330	30	06	F		PSK8	2400	2400	MIL-188-110B – 4800 bps short – area of Marseille
DARC	7012,5	1655	09	06	UKR		PSK2	120	2600	AT3004D - area of Sevastopol
DARC	7021,0	1755	14	06	RUS		PSK4	120	2600	AT3104D - area of Moscow
DARC	7030,0	1935	01	06						frequency hopper
DARC	7032,0	1750	08	06	RUS		PSK2	120	2600	AT3004D - Smolensk
DARC	7038,7	ady	dly	06	UKR	D	A1A			Cluster beacon – Sevastopol RUS Navy – "RCV"
DARC	7038,8	ady	dly	06	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – "RMP"
DARC	7038,9	ady	dly	06	RUS	S	A1A			Cluster beacon – Murmansk RUS Navy – „RIT“
DARC	7039,0	ady	dly	06	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - "RIW"
DARC	7039,1	vt	dly	06	KGZ	A	A1A			Cluster beacon – Bishkek RUS Navy –
DARC	7039,2	ady	dly	06	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy - "RJS"
DARC	7039,3	vt	dly	06	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - "RCC"
DARC	7039,4	1437	03	06	RUS	M	A1A			Cluster beacon – Magadan RUS Navy – „RTS“

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	7039,9	ady	dly	06	I	IZ3DVW	A1A			IZ3DVW – beacon not coordinated with IARU
DARC	7040,5	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX” - just for info!
DARC	7049,5	vt	dly	06	F	F4BXW1	FSK8	125	1750	ALE, “F4BXW1” - just for info!
DARC	7054,0	1900	dly	06	RUS		F1B	50	200	CIS50-50 - RUS Navy Moscow – dirty signal
DARC	7054,0	1930	07	06			FMCW			unid OTH Radar - short bursts
DARC	7089,8	1852	08	06	TUR		PSK8	2400	2400	Link11 - SLEW - Turkey
DARC	7092,0	vt	dly	06	TUR	no ITU	FSK8	125	1750	ALE, “4016” – Turkish Red Crescent
DARC	7099,5	vt	dly	06	HRV	9A0ZG	FSK8	125	1750	ALE, “9A0ZG” - just for info
DARC	7102,0	0809	12	06	HRV		FSK8	125	1750	ALE, “9A3COL” – just for info!
DARC	7110,5	vt	dly	06	HRV	9A0ALE	FSK8	125	1750	ALE, amateur net, just for info!
DARC	7111,9	vt	dly	06	KWT	no ITU	FSK8	125	1750	ALE, “UDAIRI” “ATFOPS” – UDAIRI = US MIL Camp Buehring / Kuwait
DARC	7127,5	0827	17	06	GEO		PSK2	120	2600	AT3004D - area of Georgia
DARC	7137,0	2130	16	06			F1B	50	200	Kaliningrad
DARC	7140,0	1430	28	06	RUS		PSK2	120	2600	AT3004D - ship, Baltic Sea, area of Gdansk
DARC	7180,0	vt	dly	06	MRC	no ITU	FSK8	125	1750	ALE, “9201” “6350” “RC1”
DARC	7188,0	0748	13	06	RUS		F1B	75	250	Moscow
DARC	7189,0	2016	02	06	RUS		PSK2	120	2600	AT3004D - area of Moscow
DARC	7189,5	2137	16	06	RUS		PSK2	120	2600	AT3004D - Severomorsk
DARC	7197,0	vt	dly	06	TUR	no ITU	FSK8	125	1750	ALE, “3651” - Red Crescent - West-Turkey
DARC	7198,0	2140	09	06	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	7199,0	1010	22	06	UKR		F1B	40.5	250	system “Frost1” - north-west of Kiev
DARC	7201,0	0730	23	06	UKR		PSK2	120	2600	AT3004D - 7199.7 – 7202.3 west o Kiev
DARC	10106,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “OG100A” “OR200B” - Algerian MIL
DARC	10112,0	ady	dly	06	TUR		PSK8	2400	2400	Stanag4285 – 600 bps long – TUR MIL - Izmir
DARC	10115,0	0640	dly	06	RUS		FSK4	100	1500	CIS14 group - Moscow
DARC	10115,0	vt	dly	06		no ITU	FSK8	125	1750	ALE, “2001”, “2011”
DARC	10120,0	vt	dly	06		no ITU	FSK2	125	1750	ALE, “9066” “9067”
DARC	10124,0	1520	15	06	RUS		FSK36	40	1300	CROWD36 - area of Kazan
DARC	10125,0	vt	dly	06	LBY	no ITU	FSK8	125	1750	ALE, “MOBILE8” “MOBILE16” - Libyan GMMRA
DARC	10126,0	0720	06	06	RUS		PSK	120	2600	AT3004D - Severomorsk
DARC	10130,0	0600	dly	06	USA		F1B	50	850	USA - Maine
DARC	10130,0	2000	28	06			FSK8	125	1750	Thales 3000 Skymaster
DARC	10134,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “CM4” “COF” - Algerian Airforce
DARC	10136,5	vt	dly	06	F	F4BXW	FSK8	125	1750	ALE, “F4BXW” - just for info!
DARC	10141,0	1445	17	06	GRC		PSK2	120	2600	AT3004D - ship south of Thessaloniki
DARC	10142,0	0750	02	06	CIS		F1B	100	200	
DARC	10145,5	1926	15	06	HRV	9A5EX	FSK8	125	1750	ALE, 9A5EX, just for info!
DARC	10146,0	1430	02	06	SRB		PSK2	120	2600	AT3004D - area of Kosovo
DARC	10150,0	vt	dly	06		no ITU	FSK8	125	1750	ALE, “CFA” “CTA”
DARC	14000,0	vt	dly	06		no ITU	FSK8	125	1750	ALE, “091” “1010”
DARC	14024,0	1500	22	06	RUS		F1B	75	500	Moscow
DARC	14026,0	0710	05	06	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14028,0	vt	12	06	RUS		F1B	75	250	Penza – daily
DARC	14030,0	0830	12	06	RUS		PSK2	12	2600	AT3004D - Penza
DARC	14037,0	vt	dly	06		no ITU	FSK8	125	1750	ALE, “313” “132” “932”
DARC	14104,0	0842	03	06	RUS		F1B	75	250	Smolensk
DARC	14112,7	ady	22	06	CHN		PSK8	2400	2400	MIL-188-110A - 600 bps short
DARC	14120,0	0835	12	06	RUS		F1B	75	250	Moscow
DARC	14122,0	0846	23	06	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14141,0	0812	15	06	RUS		F1B	75	250	Moscow
DARC	14141,0	1930	26	06	RUS		F1B	75	500	north of Moscow

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	14143,0	1845	17	06	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	14143,0	1612	28	06	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14192,0	0810	13	06	RUS		F1B	50	500	CIS50-50 - RUS Navy Kaliningrad
DARC	14203,0	0817	20	06	RUS		F1B	75	250	Moscow
DARC	14206,0	0903	23	06	RUS		PSK2	120	2600	AT3004D - Murmansk
DARC	14304,0	vt	dly	06	CHN	no ITU	FSK8	125	1750	ALE, "247" "633" "981"
DARC	14316,0	vt	dly	06		no ITU	FSK8	125	1750	ALE, "601" "611"
DARC	14316,0	1918	15	06			A1A			7NPE de QV5B
DARC	14325,1	vt	vd	06	FEa	no ITU	FSK8	125	1750	ALE, "776" "699" "475"
DARC	14327,0	0902	23	06						frequency hopper
DARC	14332,0	0850	03	06	RUS		F1B	75	250	Vladivostok
DARC	14340,0	1455	17	06	RUS		PSK2	120	2600	AT3004D - Chita
DARC	14344,7	ady	dly	06	CHN		PSK8	2400	2400	MIL-188-110A – 600 bps short - intro tone ACARS like – burst system
DARC	18084,0	0808	21	06	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	18150,5	0730	08	06	RUS		F1B	100	2000	4 th from 4537.625
DARC	18150,5	0721	21	06			F1B	100	2000	harmonic from 9075.25
DARC	21000,0	0756	01	06	RUS	RAZ2	F1B	39	1000	harmonic from 10500 - idling - Mitschurinsk - daily
DARC	21000,0	1345	06	06	TUR		FMCW		20k	OTH Radar Istanbul, 50 pps
DARC	21002,2	vt	dly	06	SDN YEM		FSK	100	200	Pactor1 encrypted, SDN-MFA + SDN-emba Yemen
DARC	21071,0	1720	09	06					1700	burst system
DARC	21089,5	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, "9A5EX" - just for info!
DARC	21155,0	1415	06	06	TUR		FMCW		20k	OTH Radar SE Turkey, 50 pps
DARC	21205,0	1425	06	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 pps
DARC	21233,5	1025	13	06	IND		F1B	600	600	DPRK-FSK600 bursts – KRE emba New Delhi
DARC	21370,0	0953	03	06						frequency hopper
DARC	21371,8	vt	dly	06	AFG		PSK8	2400	2400	burst system
DARC	21375,0	0814	04	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 pps
DARC	21405,0	1020	03	06	TUR		FMCW		20k	OTH Radar Istanbul, 50 pps
DARC	21438,0	1333	13	06	UKR	RCV	A1A			RKZ de RCV - RUS Navy Sevastopol with WX-QTC
DARC	24920,0	1950	27	06			FMCW			Codar HF Radar - 2 sweeps/sec
DARC	28021,0	1740	27	06	RUS		F1B	50	200	north east of Rostov
DARC	28100,7	1854	25	06	POR		F1B	50.6	300	F1B bursts - area of Lisbon
DARC	28104,0	2000	28	06	RUS		F1B	75	500	south of Moscow

IRTS – Ireland – EI4GXB (Ger)

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

OEVSV – Austria – OE3DMA (Alex)

PZK – Poland – SP3UZ (Wladyslaw)

REP – Portugal – CT4AN (Jose Francisco)

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3501,5	07.23	16	06	SPA		J3E-U			Spanish talks
REP	3502,5	08.30	22	06	SPA		J3E-U			Spanish fishers
REP	3503,0	08.31	01	06	MRC		J3E-U			Fishers
REP	3505,0	22.49	03	06	SPA		J3E-U			Spanish fishers
REP	3510,0	08.13	22	06	SPA		J3E-U			Fishermen
REP	3575,0	07.21	04	06	FRA		A3E			French Amateurs !!! Usual INFRINGE to IARU BAND PLAN
REP	3715,0	07.44	28	06	SPA POR		J3E-U			Fishermen on sea
REP	7015,8	18.48	03	06	n.i.		J3E-L			Ola, ola, ola ... feedbacks ...
REP	7020,0	07.46	28	06	n.i.		J3E-U			Test, Test ...1,2,3... voice
REP	7025,0	08.56	10	06	SPA		J3E-U			Fishermen on sea
REP	7038,6	07.48	25	06	RUS	S	A1A			MURMANSK, ADY, DLY 0.2uV S1
REP	7038,6	20.12	29	06	RUS	S	A1A			MURMANSK, ADY, DLY 3.1uV S5
REP	7038,7	22.19	30	06	UKR	D	A1A			SEVASTOPOL, ADY, DLY 6.3uV S6
REP	7038,7	23.56	12	06	UKR	D	A1A			SEVASTOPOL, ADY, DLY 3.1uV S5
REP	7039,0	23.09	12	06	RUS	C	A1A			MOSCOW, ADY, DLY 3.1uV S5
REP	7039,0	20.58	03	06	n.i.		J3E-L			Music
REP	7039,1	21.26	16	06	RUS	A	A1A			VOLGOGRAD, ADY, DLY 6.3uV S6
REP	7039,1	23.56	17	06	RUS	A	A1A			VOLGOGRAD, ADY, DLY 3.1uV S5
REP	7055,0	21.11	18	06	n.i.		F1B			??
REP	7114,0	09.00	10	06	SPA MRC		J3E-U			Male discussion
REP	7118,5	22.47	17	06	n.i.		F1B			RTTY non standard
REP	7120,0	22.53	26	06	n.i.		A3E			Noise and several Tones
REP	7125,0	20.30	04	06	GUI		8k00 A3EGN			Radio Konakry 3.1uV S5
REP	7125,0	22.15	15	06	GUI		8k00 A3EGN			Radio Konakry ?? 25uV S8
REP	7125,0	23.10	17	06	n.i.		CW			Carrier 3.1uV S5
REP	7132,0	22.28	09	06	MLA		8k00 A3EGN			Radio Sarawak ?? 25uV S8
REP	7160,0	19.03	07	06	CHN		8k00 A3EGN			China ?? 6.3uV S6
REP	7160,0	08.01	23	06	RUS		A3E			Talks males and female
REP	7180,0	08.09	23	06	FRA		J3E-U			French fishermen talking
REP	7185,0	08.19	23	06	n.i.		Noise			White noise (very WB signal)
REP	7186,0	13.00	09	06	n.i.		A3E-N			Radio (broadcasting ??) 0.2uV S1
REP	10103,5	23.51	26	06	MRC		J3E-U			Fishermen
REP	10122,0	18.23	04	06	n.i.		J3E-U			Number stations transmitting codes
REP	10125,0	19.11	19	06	n.i.		J3E-L			Fishermen on sea
REP	10131,0	21.29	19	06	n.i.		J3E-U			Asiatic
REP	10150,0	21.48	20	06	n.i.		J3E-U			English voices - no calls
REP	14000,0	08.01	08	06	MRC		J3E-U			Fishermen on South coast
REP	14000,0	08.11	14	06	n.i.		F1B			RTTY RY tests
REP	14000,0	21.45	14	06	n.i.		Noise			WB pulsed noise from Europe center (PLC ?)
REP	14005,0	08.25	24	06	SPA		J3E-U			Fishermen
REP	14021,5	20.33	22	06	n.i.		J3E-U SSTV			Not a Ham transmission
REP	14100,0	20.22	22	06	n.i.		J3E-U			Talks in english
REP	14265,5	08.00	28	06	n.i.		F1B	300	170	Not standard
REP	18100,0	13.12	16	06	n.i.		CW			Sweeping modulated carriers
REP	21002,0	22.29	14	06	n.i.		J3E-U			Inversed-tone coded voices
REP	21005,0	15.33	24	06	n.i.		J3E-U			Arab talks (fishermen ?)
REP	21012,5	08.44	02	06	n.i.		J3E-U			Fishermen
REP	21400,0	09.18	10	06	SPA POR		J3E-U			Fisherman talking about sea and fish
REP	21410,0	10.14	10	06	n.i.		J3E-U			Arab talking
REP	28000,0	20.10	23	06	n.i.		Noise			Strong WB PLT type signal
REP	28025,0	09.04	22	06	RUS		F3E			Taxis
REP	28065,0	09.07	22	06	RUS		F3E			Taxis
REP	28070,0	20.54	03	06	FRA		A3E			CB's
REP	28070,5	23.08	04	06	FRA		A3E			CB's

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	28115,0	20.36	26	06	n.i.		A3E			Talks (CB)
REP	28135,0	16.12	25	06	RUS		F3E			Taxis
REP	28175,0	13.00	24	06	HRV		A3E			Taxis
REP	28245,0	16.00	21	06	RUS		F3E			Taxis
REP	28275,0	10.31	29	06	RUS		A3E			Taxis
REP	28310,0	16.42	16	06	RUS		A3E			Russian
REP	28320,0	18.56	11	06	ITA		A3E			Talks – males + female (CB ?)

RSGB - Great Britain – G4BOH (Chris)

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7000,0	1205	29	6		UiMUX	J7D	12x120	12x200	
SRAL	7008,0	0445-1715	*	6		UiPTR	F1B		200/250	Days: 15, 17, 22, 30
SRAL	7012,5	h24	9 - 14	6	UKR	UiMUX	J7D	12x120	12x200	Sevastopol
SRAL	7016,0	0630-1800	*	6		UiPTR	F1B		250	Days: 6, 17, 22, 25
SRAL	7018,0	1110	3	6		UiMUX	J7D	12x120	12x200	
SRAL	7020,0	1200-1315	3, 17	6		UiPTR	F1B			
SRAL	7022,0	0830-1800	*	6		UiMUX	J7D	12x120	12x200	Days: 2, 5, 21, 29
SRAL	7027,0	1640	1	6		UiMUX	J7D	12x120	12x200	
SRAL	7029,0	1800	8	6	RUS	RMP	A1A			
SRAL	7032,0	H24	8, 9	6	RUS	UiMUX	J7D	12x120	12x200	Moscow
SRAL	7032,0	H24	22 – 28	6	RUS	UiMUX	J7D	12x120	12x200	Smolensk
SRAL	7038,2	1920	30	6	RUS	L	A1A			St Peterburg?
SRAL	7038,6	0620	30	6	RUS	L	A1A			St Peterburg?
SRAL	7038,7	H24	dly	6	UKR	D	A1A			Sevastopol
SRAL	7038,8	H24	20 - 30	6	RUS	P	A1A			Kaliningrad
SRAL	7038,9	H24	dly	6	RUS	S	A1A			Severomorsk
SRAL	7039,0	H24	dly	6	RUS	C	A1A			Moscow
SRAL	7049,0	1840	16	6		UiMUX	J7D	12x120	12x200	
SRAL	7054,0	1900-0500	dly	6	RUS	REA4	F1B		200	Moscow, on 29 th 7065 kHz
SRAL	7058,0	0650	24	6		UiPTR	F1B		250	
SRAL	7062,0	0730-0900	18	6		UiPTR	F1B		250	
SRAL	7074,0	0830-1000	3	6		UiMUX	J7D	12x120	12x200	
SRAL	7079,0	0620-0800	30	6		UiMUX	J7D	12x120	12x200	
SRAL	7079,25	1335-1500	29	6		UiPTR	F1B		250	50 Hz dotter
SRAL	7086,5	0800-0930	17	6		UiPTR	F1B			
SRAL	7091,5	1130-1300	3	6		UiPTR	F1B			
SRAL	7093,0	0845	3	6		UiPTR	F1B			
SRAL	7097,0	0930-1030	3	6		UiPTR	F1B			
SRAL	7098,0	1620	24	6		UiPTR	F1B		250	
SRAL	7111,0	0430-2000	*	6		UiPTR	F1B			Days: 16, 29, 30
SRAL	7112,0	1200-1600	20, 24	6		UiMUX	J7D	12x120	12x200	
SRAL	7118,0	0650-1400	6, 7	6		UiMUX	J7D	12x120	12x200	
SRAL	7120,0	0300-	dly	6	ERI	VoBME 1	A3E			QSY 7110 – 7130 kHz

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
		0400								
SRAL	7120,0	1500-1800	dly	6	ERI	VoBME 1	A3E			QSY 7100 – 7130, jammed by ETH until 1700
SRAL	7122,0	0940-1530	11, 29	6		UiMUX	J7D	12x120	12x200	
SRAL	7122,0	0600-1500	*	6		UiPTR	F1B			Days: 15, 29, 30
SRAL	7124,0	1130-1530	*	6		UiMUX	J7D	12x120	12x200	Days: 15, 19, 24
SRAL	7124,3	1530-1930	29	6		UiPTR	F1B		250	
SRAL	7125,0	1800-2100	dly	6	GUI	R. Conakry	A3E			
SRAL	7140,0	0530-2100	28 – 30	6		UiMUX	J7D	12x120	12x200	
SRAL	7166,0	1530-1930	*	6	RUS	PVO “9”	A1A			Timestamp (UTC + 4h), days: 5, 11, 12, 14, 15, 26
SRAL	7174,0	0440-2400	24 – 29	6		UiMUX	J7D	12x120	12x200	
SRAL	7175,0	0250-0500	dly	6	ERI	VoBME 2	A3E			QSY 7165 - 7185
SRAL	7175,0	1500-1805	dly	6	ERI	VoBME 2	A3E			QSY 7165 - 7185, jammed by ETH until 1700
SRAL	7176,0	1100-1430	5,20, 25	6		UiPTR	F1B		250	
SRAL	7188,0	0730-1030	4, 9, 13	6		UiPTR	F1B		250	
SRAL	7189,0	0330-2000	2, 3	6	RUS	UiMUX	J7D	12x120	12x200	Moscow
SRAL	7189,5	0330-2000	17 – 20	6	RUS	UiMUX	J7D	12x120	12x200	Severomorsk
SRAL	7195,0	1715-2000	29, 30	6	UGA	UBC radio	A3E			
SRAL	7198,0	0340-0530	9,13, 29	6		UiMUX	J7D	12x120	12x200	
SRAL	7198,0	1700-1930	9,13, 29	6		UiMUX	J7D	12x120	12x200	
SRAL	7200,0	1500-1630	dly	6	SDN	R Sudan	A3E			
SRAL	7200,0	1730-2400	dly	6	SDN	R Sudan	A3E			
SRAL	10150,0	1115	11	6	CYP	UiOTHR	P0N			50 Hz , 20 kHz wide
SRAL	14024,0	1115-1340	22	6	RUS	UiPTR	F1B			
SRAL	14026,0	0445-1130	*	6	RUS	UiMUX	J7D	12x120	12x200	Moscow, Days: 7, 10, 11, 20, 29
SRAL	14086,9	0925	29	6		UiPTR	F1B			
SRAL	14122,0	0800-1015	11, 29	6		UiMUX	J7D	12x120	12x200	
SRAL	14143,0	0800-1615	11, 18	6	RUS	UiMUX	J7D	12x120	12x200	Kaliningrad
SRAL	14172,0	0540-1130	*	6		UiCW	A1A			MR 5BL
SRAL	14295,1	0230-2400	dly	6	TJK	R Tojikiston	A3E			3f 4765,05 kHz, Yangiyul TX
SRAL	14331,0	1055	3	6		MLE3	A1A			
SRAL	14332,0	0835-1100	3	6		UiPTR	F1B			
SRAL	14334,0	0800-1200	4,11	6		UiMUX	J7D	12x120	12x200	
SRAL	14336,0	0840	29	6		UiPTR	F1B		250	
SRAL	28065-28305	0700-1430	*	6	CIS	UiVOX	F3E			9 reports, days: 2, 17, 26

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7000.0	1705	02	06		LNGKNF	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1711	02	06		T1Z185	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1722	02	06		FUZZY	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1923	10	06		T2Z224	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0322	11	06		DEF	MFSK8	125	1750	MIL 188-141A
USKA	7000.0	2348	13	06		MEDOPS	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0049	14	06		T1Z229	MFSK8	125	1750	MIL 188-141A often
USKA	7008.0	1706	15	06			F1B	75	250	unid often
USKA	7012.5	1231	09	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D often
USKA	7013.5	1100	17	06			F1B	50	500	ARQ
USKA	7013.5	1151	17	06			F1B	100	500	
USKA	7014.5	1100	17	06			F1B	50	500	ARQ
USKA	7032.0	2322	08	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D often
USKA	7038.7	1416	02	06	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	2201	18	06	RUS	P	A1A			Beacon P Kaliningrad
USKA	7038.9	2237	02	06	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1417	02	06	RUS	C	A1A			Beacon C Moscow daily
USKA	7039.2	1419	02	06	RUS	F	A1A			Beacon F Vladivostok daily
USKA	7039.4	1420	02	06	RUS	M	A1A			Beacon M Magadan daily
USKA	7053.90	2022	06	06			N0N			lasting carrier (Jammer)
USKA	7054.0	2247	02	06			F1B		400	curious signal. maybe mal-function
USKA	7070.0	2139	01	06		MV	MFSK8	125	1750	MIL 188-141A TO: 686
USKA	7070.0	1758	18	06		244	MFSK8	125	1750	MIL 188-141A TO: 204
USKA	7070.0	1939	18	06		204	MFSK8	125	1750	MIL 188-141A TO: 244
USKA	7070.0	2035	27	06			A1A			kyril (groups)
USKA	7070.0	2041	27	06			J3E-U			unid language, not like ham
USKA	7074.0	0726	02	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D daily
USKA	7089.8	2209	08	06			PSK-8	2400	2k4	Link 11 SLEW often
USKA	7097.375	0838	22	06			A1			Jammer
USKA	7097.5	0838	22	06			F1B	40.5	250	unid
USKA	7105.0	2235	02	06		CHN	A3E			BC (2 stations) daily
USKA	7105.0	2235	02	06		TWN	A3E			BC (2 stations) daily
USKA	7111.9	0153	28	06		UDAIRI	MFSK8	125	1750	MIL 188-141A daily
USKA	7120.0	1659	02	06			A3E			BC, jammed
USKA	7120.0	1659	02	06			Noise		10 kHz	Jammer
USKA	7125.0	2100	02	06	GUI		A3E			Radio Conakry daily
USKA	7130.0	1701	15	06			A3E			BC
USKA	7130.0	1701	15	06			Noise		10 kHz	Jammer
USKA	7136.900	2105	20	06			A1			Jammer
USKA	7137.0	2105	20	06			F1B	50	200	unid
USKA	7140.0	2128	28	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	7153.8	0747	09	06			N0N			long lasting carrier (60°)
USKA	7165.0	1658	15	06			A3E			BC
USKA	7165.0	1658	15	06			Noise		10 kHz	Jammer
USKA	7170.0	1702	02	06			A3E			BC, jammed
USKA	7170.0	1702	02	06			Noise		10 kHz	Jammer
USKA	7175.0	1540	16	06			A3E			BC
USKA	7175.0	1540	16	06			Noise		10 kHz	Jammer
USKA	7175.875	1109	20	06			A1			Jammer
USKA	7176.0	1109	20	06			F1B	75	250	unid
USKA	7189.5	1705	02	06	RUS		J7D	12x120	2k6	PSK-2: CIS12 = AT3004D often
USKA	7190.0	1702	15	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D often
USKA	7190.3	1850	02	06			A1			Jammer
USKA	7190.8	0715	17	06			N0N			jammer (on CIS Pilot)
USKA	7198.0	2124	19	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	10125.0	1337	01	06			J3E-U		~2k7	NATO Psyops in english and arabian language almost daily
USKA	10125.0	1431	05	06			A2N		~4 kHz	sweeping jammer often
USKA	14008.0	0249	10	06			F1B	50	200	unid
USKA	14026.0	0751	09	06			J7D	12x120	2k6	13 carriers, CIS12 idling only
USKA	14102.0	1016	18	06			F1B	75	250	unid
USKA	14122.0	1028	11	06			J7D		2k6	13 carriers; CIS12 idling only
USKA	14122.0	0902	23	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D often

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	14171.0	1217	07	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	14192.0	1840	02	06			F1B	50	500	unid often
USKA	14192.0	0800	29	06			F1B	75	500	unid
USKA	14222.0	0721	17	06			J7D	12x120	2k6	CIS 12
USKA	14336.0	0808	29	06			F1B	100	250	unid (in 125°)
USKA	14340.0	2015	22	06			J7D	12x120	2k6	CIS-12 idling
USKA	14344.7	1113	05	06			PSK-8	2400	2k4	MIL 188-110A modified daily
USKA	21032.0	1653	15	06			J3E-U		2k7	Spanish
USKA	21070.0	0706	03	06			FMCW	50 pps	20 kHz	OTHR
USKA	21400.0	1023	03	06			FMCW	50 pps	20 kHz	OTHR

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7013,2	19.57	10	6	RUS	UiMux	PSK4	2k6	
VERON	7038,7	vt	vd	6	UKR	D	A1A		D-beacon
VERON	7038,7	16.59	10	6	UKR	D	A1A		Beacon Sevastopol
VERON	7038,8	vt	vd	6	RUS	P	A1A		P-beacon
VERON	7038,8	13.56	23	6	RUS	P	A1A		Beacon Kaliningrad
VERON	7038,8	13.30	29	6	RUS	P	A1A		Beacon Kaliningrad
VERON	7038,9	vt	vd	6	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	6	RUS	C	A1A		C-beacon
VERON	7039,0	18.00	29	6		L	A1A		L-beacon
VERON	7039,0	14.18	7	6	RUS	C	A1A		Beacon Moscow
VERON	7039,0	13.32	29	6	RUS	C	A1A		Beacon Moscow
VERON	7054,0	21.08	10	6	RUS	UiPtr	F7B	500	5 channel printer!
VERON	7111,0	17.59	29	6		UiPTR	F1B		Ptr
VERON	7124,0	17.58	29	6		UiPTR	F1B		Ptr
VERON	7130,0	16.55	10	6	ETH		JAM		Noise jammer; 10k wide
VERON	7166,0	17.31	30	6		UiCW	A1A		bt 99?2131?9????? (every 2 minutes)
VERON	7167,0	17.57	29	6		UiPTR	F1B		Ptr
VERON	7175,0	16.52	10	6	ETH		JAM		Noise jammer; 20k wide
VERON	10108,0	vt	vd	6		UiPTR	F1B		Carrier/Revs/Ptr
VERON	10108,0	10.29	9	6	RUS	RDL	F1A		RDL 30148 18218 k
VERON	10108,0	10.57	9	6	RUS	RDL	F1A		RDL 31817 02925 k
VERON	10108,0	07.48	27	6	RUS	RDL	F1A		RDL 84781 31979 k
VERON	10108,0	11.31	27	6	RUS	RDL	F1A		XXX RDL 11111 5BL
VERON	10124,9	13.04	8	6		UiBC	J3E-u		News comments Lybia; English & Arab speech
VERON	10125,0	14.15	8	6	LBY ?	UiILL	J3E-u		Male voice in Arabic/English
VERON	13980,0	13.46	23	6		UiOTHR	PON		50pps; 60k spread: up to 14010 kHz
VERON	14008,0	08.53	1	6	CIS	UiPTR	F1B		Carrier/Revs/Ptr
VERON	14025,8	14.01	7	6	RUS	UiMux	PSK2	2k6	
VERON	14104,0	07.52	3	6		UiPTR	F1B		Revs
VERON	14108,0	09.20	29	6	CIS	L38F	A1A		5BL ending 483 rpt al QLN k (to: INJ3)
VERON	14108,0	11.14	29	6	CIS	KOK9	A1A		5BL ending 483 rpt al k (to: F2ZR)
VERON	14108,0	10.07	30	6	CIS	KOK9	A1A		Calls (to: SANH EL9Y ZON5 F2ZR INJ3)
VERON	14120,0	10.52	8	6		UiPTR	F1B		Ptr
VERON	14141,0	07.47	29	6		UiPTR	F1B		Ptr
VERON	14142,5	14.06	18	6		UiMux	PSK12	3k	
VERON	14143,0	16.34	10	6		UiMux	PSK12	2k6	
VERON	14160,0	11.55	3	6		UiPTR	F1B		Ptr
VERON	14172,0	17.53	29	6	CIS	WUXC	A1A		Calls (to: TVW4 BAQ8)
VERON	14186,0	18.46	10	6					Frequency hopper
VERON	14192,0	vt	vd	6		UiPTR	F1B		Revs/Ptr
VERON	18088,0	13.17	9	6		UiOTHR	PON		50pps; 26k spread
VERON	18164,0	13.19	9	6					Frequency hopper

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7013,0	18.18	11	6		UiMUX	PSK		12 MPSK AT 3004-D
VERON	7018,0	18.25	11	6	RUS	UiPtr	F1B	250	Ptr/Revs
VERON	7038,7	08.10	17	6	UKR	D	A1A		D-beacon
VERON	7038,7	19.38	21	6	UKR	D	A1A		D-beacon
VERON	7038,8	19.38	21	6	RUS	P	A1A		P-beacon
VERON	7038,8	17.10	23	6	RUS	P	A1A		P-beacon
VERON	7038,9	20.18	21	6	RUS	S	A1A		S-beacon
VERON	7038,9	06.28	1	6	RUS	S	A1A		S-beacon
VERON	7039,00	08.10	17	6	RUS	C	A1A		C-beacon
VERON	7039,0	19.38	21	6	RUS	C	A1A		C-beacon
VERON	7054,0	18.58	15	6	RUS	UiPtr	F1B	200	revs. Starts at 1858 UTC
VERON	7054,0	04.50	16	6	RUS	UiPtr	F1B	200	revs. Stops at 0459 UTC
VERON	7054,0	20.10	17	6	RUS	UiPtr	F1B	200	Revs
VERON	7054,0	04.54	21	6	RUS	UiPtr	F1B	200	revs. Stops at 0500 UTC
VERON	7142,0	07.43	29	6		UiMUX	PSK		12 MPSK 3004-AD
VERON	7166,0	17.29	15	6		UicW	A1A		=99?2129?9???? (2129 = UTC+4)
VERON	7166,0	20.03	16	6	?	UicW	A1A		=99?0003?9???? (0003 = UTC+4)
VERON	7166,0	20.19	17	6		UicW	A1A		'=99?0019?9???? (0019 = UTC+4)
VERON	7166,0	20.20	21	6	?	UicW	A1A		=99?0020?9???? (0020 = UTC+4)
VERON	7166,0	16.32	22	6	?	UicW	A1A		=99?2032?9???? (2032 = UTC+4)
VERON	7166,0	17.12	23	6	?	UicW	A1A		=99?2112?9???? (2112 = UTC+4)
VERON	7166,0	17.30	2	6	?	UicW	A1A		=99?2130?9????
VERON	7166,0	17.28	3	6	?	UicW	A1A		99?2128/9???? (2128 = UTC+4)
VERON	7166,0	20.25	4	6	?	UicW	A1A		99?0025?9???? (0025 = UTC+4)
VERON	7166,0	16.30	6	6	?	UicW	A1A		99?2030?9???? (2030 = 1630+4)
VERON	7166,0	17.05	7	6	?	UicW	A1A		99?2105?9???? (2105 = UTC+4)
VERON	7166,0	16.55	9	6	?	UicW	A1A		=99?2055?9????
VERON	7166,0	17.13	10	6	?	UicW	A1A		=99?2113?9???? (2113 = UTC+4)
VERON	7166,0	19.01	14	6	?	UicW	A1A		99 2301 2301 utc 4
VERON	7166,0	19.35	14	6		UicW	A1A		992324 etc etc
VERON	7179,0	17.33	15	6		UiPtr	F1B	200	Ptr
VERON	14008,0	06.34	8	6	?	UiPtr	F1B	250	Revs, Ptr
VERON	14008,0	09.34	7	6		UiPtr	F1B		Ptr, and qrt
VERON	14024,0	17.09	22	6		UiPtr	F1B	500	Ptr
VERON	14024,0	14.12	22	6		UiPtr	F1B	500	Ptr
VERON	14026,0	13.05	7	6	RUS		PSK	2600	Pilot on 14027.4 kHz
VERON	14026,0	06.28	5	6		UiMUX	PSK		12 MPSK AT 3004-D, mni hrs contest FD
VERON	14060,0	08.26	27	6		UicW	A1A		5F+proc qrt at '08.27 utc
VERON	14096,0	06.45	8	6	?	HRG7	A1A		7TSF DE HRG7 AR (mni times)
VERON	14096,0	06.54	8	6	?	HRG7	A1A		5BL. Ends: rpt al qln
VERON	14104,0	07.50	3	6		UiPtr	F1B	250	fast revs.
VERON	14108,0	05.04	16	6	RUS	MWCU	A1A		to k7i5: 5BL
VERON	14108,0	07.05	17	6	RUS	MWCU	A1A		to K7I5: 5BL, proc.
VERON	14108,0	716	17	6	RUS	MWCU	A1A		to TOPS: 5BL
VERON	14108,0	08.03	17	6	RUS	MWCU	A1A		to TOPS, AGV3, 2NLN, SVXL, K7I5, proc.
VERON	14108,0	06.30	20	6	RUS	MWCU	A1A		to FAAE, TOPS, AGV3, 2NLN, SVXL,
VERON	14108,0	05.13	21	6	RUS	KOK9	A1A		to VTNS: 5BL, proc.
VERON	14108,0	05.22	21	6	RUS	KOK9	A1A		to SANH: 5BL, proc. Ends: rpt al k
VERON	14108,0	06.36	22	6	RUS	KOK9	A1A		to VTNS,XZTP, SANH, EL9Y, F2ZR, INJ3

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	14108,0	05.39	23	6	RUS	94VT	A1A		XXX 94VT 88354 KAWAK 6768 0581
VERON	14108,0	05.03	1	6	RUS	QOG1	A1A		to E5IW: 5BL, proc.
VERON	14108,0	05.14	1	6	RUS	QOG1	A1A		to 6MQJ: 5BL, proc.
VERON	14108,0	07.00	2	6	RUS	QOG!	A1A		QTC K, 5BL
VERON	14108,0	08.47	2	6	RUS	WEGI	A1A		XXX WEGI 39764 ZABOJKA 8807 7819 K
VERON	14108,0	06.54	3	6	RUS	QOG1	A1A		V7W6 DE QOG1: 5BL
VERON	14108,0	08.47	6	6	RUS	E5KM	A1A		V7W6 DE E5JN QBE QYT7 K
VERON	14108,0	06.02	8	6	RUS	XB2M	A1A		XXX XBM2 12148 NASTYRNYJ 5873 2021 K
VERON	14108,0	06.23	8	6	RUS	QOG1	A1A		TO 2NKR, V7W6, IFLJ, FZZD, E5ISW,
VERON	14108,0	07.33	9	6	RUS	QOG1	A1A		to 2NKR, V7W6, IFLJ etc: calls
VERON	14108,0	07.08	14	6	RUS	MWCU	A1A		to XUEF: 5BL
VERON	14108,0	05.48	27	6	RUS	L38F	A1A		XZTP de L38F QTA QLX QJG QYT9 K
VERON	14141,0	07.41	29	6		UiPtr	F1B	500	Ptr, and qrt at 07.48 utc
VERON	14143,0	18.26	11	6		UiMUX	PSK		12 MPSK AT 3004-D
VERON	14192,0	06.38	1	6		UiPtr	F1B	250	Revs
VERON	14334,0	09.36	7	6		UiMUX	PSK		12 MPSK AT 3004-D
VERON	18072,0	08.45	19	6		UiPtr	F1B	500	Ptr MIL
VERON	18082,0	07.38	29	6		UiCAR	NON		strong carrier long time

IARUMS Region 1

Many thanks for your interest!

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

SSB-Electronic – Iserlohn – Germany

BAZ – Special Antennas – Bad Bergzabern - Germany

FTS – Funktechnik Seipelt – Hoppegarten - Germany

German PTT (BNetzA = Federal Network Agency)

compiled and published by DK2OM