



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 equipment

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Part 1: News and Infos

1. The low band's invasion

Due to the bad conditions on the upper bands we could observe much military traffic on 3.5, 7 and 10 MHz. Especially on 3.5 – 3.8 Mhz much traffic as Stanag4285 or AT3004D was audible. But don't forget: 3.5 MHz is assigned on primary base, but not exclusive!

2. 10120 - 10150 kHz – OTH radar Cyprus

The OTH radar was daily active in this range. Same as in October 2007.

3. REA4 (Russian Airforce) back again on 7 MHz

“REA4” is the ident of Russian Airforce beacons. Two beacons were daily active on 7018 kHz (F1A) from Moscow and 7044 kHz (A1A) from Omsk.

4. 7040 kHz – IM product from Voice of Russia (VOR)

Another IM product on 7040 annoyed us. It came from Voice of Russia on 7105 and 7170 kHz. Calculation: $2 \times 7105 = 14210$ kHz. 14210 kHz – $7170 = 7040$ kHz. Further observations are running.

5. Chinese OTH Radar on 7 MHz

I was astonished, that not more amateurs complained of the Chinese Radar on 7 MHz. It was daily audible on 6990 – 7090 kHz after 15 utc (probably greyline conditions). We could hear a rough noise, sounding like a defective switching power supply. Measurements showed 43 pulses/second. Please observe the screenshot below!

6. IZ3DVW – unwanted beacon on 80 m

The unwanted IZ3DVW beacon transmitted on 3581.953 kHz in CW. The beacon is not coordinated with Region 1. The same system was also active on 7039.5 kHz.

7. 18160 – the enemy brothers

The enemy brothers appeared on 18160 kHz in AM for few days. **Sound of Hope** from Taiwan was interfered by mainland Chinese music jammer. Later they moved up to 18180 kHz.

8. Spanish pirate invasion increasing

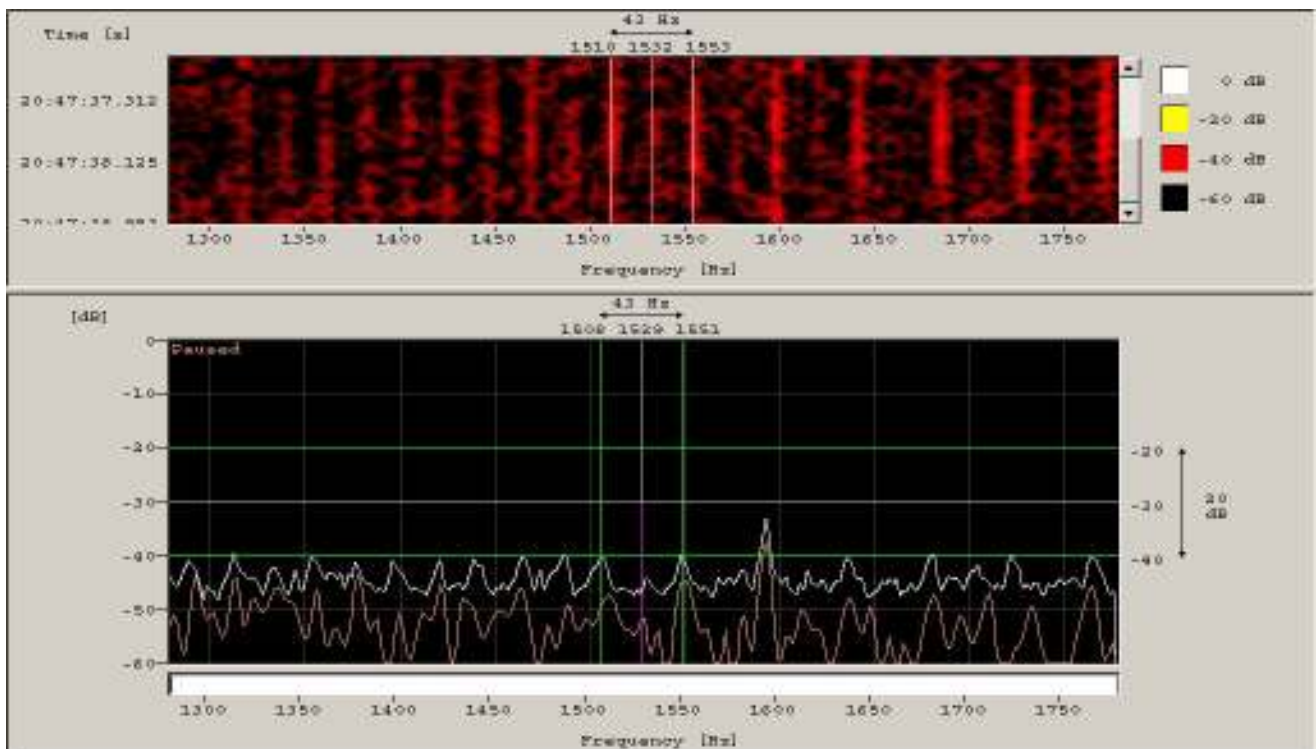
7000, 14000, 14014.5, 14100, 14114.5, 14124, 14125, 14135, 14140, 14320, 14350, 21000, 21100, 21095, 21120 **USB** – Spanish fishery and family traffic, daily, various times!

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

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

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

The Chinese OTH Radar on 7 MHz with 43 pulses/sec. The system is located in South-East China.



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 = automatic link establishment *** MUX = multiplex *** Ui = 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

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	6999.0	vt	dly	11	ETH?	UiPHONE	J3Eu	Amharic. Spreads into 40 m. band.
ARSK	7000.0	1710 1701	29 30	11	TZA	Dar es Salaam?	J3E	English, hunting safari net. Conditions too noisy for identification.
ARSK	7000.0	vt	dly	11	SOM	UiPHONE	J3Eu	Somalis, Bossasso. Phone patching.
ARSK	7002.0	vt	dly		SOM	UiPHONE	J3Eu	Somalis.
ARSK	7008.0	vt	dly	11	SDN	M7, M10, M18, M21, M22, M125, 35, CM, others	J3E J3Eu	English, vernaculars, verbal Morse.Selcal. SPLA. Both sidebands used.
ARSK	7011.0	0556	109	11	SOM	Boccaro	J3Eu	Somalis.
ARSK	7012.0	vt	dly	11	SOM	Kismayu, Afmadu, Dobleh, Baidoa?	J3Eu	Somalis, SelCal. Some KiSwahili, prob. Bajuni.
ARSK	7017.0	0558	28	11	SDN	UiPHONE	J3E	Nilotic language.
ARSK	7020.0	1319	30	11	ZAI	uiPHONE	J3Eu	French, vernacular.
ARSK	7022.0	vt	*	11	SOM	UiPHONE	J3Eu	Somalis. *16,17,18,19,21,22,28,
ARSK	7023.0	0640 0801 0601 0600	14 15 17 23	11	TZA	Arusha, Namanga	J3Eu	Local office staff in KiSwahili and two men in Indian language, some English. Not heard as often as previously.
ARSK	7023.0	vt	dly	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7023.0	1546	23	11	ZAI	UiPHONE	J3Eu	French, vernacular.
ARSK	7024.0	vt	*	11	SDN?	UiPHONE	J3E	Nilotic language, SelCal.*22,23,
ARSK	7025.0	vt	*	11	SOM	UiPHONE	J3Eu	Somalis. * 14,
ARSK	7026.0	vt	*	11	SOM	UiPHONE	J3Eu	Somalis.*14,19,
ARSK	7026.0	vt	*	11	SDN?	K1, K2.	J3Eu	English, NGO? *15,28,
ARSK	7027.0	0621	18	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7028.0	0540	14	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7030.0	1130	14	11	ZAI?	UiPHONE	J3Eu	Vernacular, Selcal. Could be Sudan.
ARSK	7030.0	vt	*	11	SOM	UiPHONE		Somalis. *
ARSK	7031.0	vt	*	11	SOM	UiPHONE	J3Eu	Somalis.*10,14,
ARSK	7032.0	0558	10	11	SDN	UiPHONE	J3Eu	English, phonetics. NGO?
ARSK	7035.0	0614	14	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7045.0	vt	dly	11	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4,WL5,WL6, WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe?	J3E J3Eu	Vernacular, Dholuo? English, phonetics. SelCal. Sudan, NGO, SPLA or SNLA? Sends messages in phonetic five letter groups, probably a single-substitution cypher.
ARSK	7045.0	0601	10	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7045.0	vt	dly	11	ZAI	Bukavu	J3Eu	KiSwahili, French.
ARSK	7046.0	0547	19	11	SOM	Bossasso	J3Eu	Somalis.
ARSK	7048.0	vt	dly	11	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B15,CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA?
ARSK	7061.0	0555	10	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7065.0	vt	*	11	SOM	UiPHONE	J3Eu	Somalis.*18,19,
ARSK	7066.0	vt	dly	11	SDN	B1, B2, AT,K1, KT,	J3E	S. Sudan. English, & Nilotic

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
						CT, TI, BT, B2, KR, JT, P1, LL, LA, A25, BJ, RK1, RK2, KA		language. NGO? Also uses 5712 KHz.
ARSK	7067.0	0617	10	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7069.0	vt	*	11	SOM KEN	UiPHONE/ Garissa	J3Eu	Unidentified Somalia station working with Garissa. *18,28,
ARSK	7070.0	vt	dly	11	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal. Often late at night.
ARSK	7074.0	0551	19	11	SDN	UiPHONE	J3E	English, vernacular, phonetics. NGO?
ARSK	7075.0	vt	dly	11	SOM	Galkayu, Kismayu, Baidoa	J3E J3Eu	Somalis. SelCal, phonepatching.
ARSK	7077.0	0550	19	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7086.0	0600	10	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7088.0	0558	10	11	SOM	UiPHONE	J3E	Somalis.

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	1888,0	2045	16	11	J3E-U	I	Civita-vecchia Radio	weather reports - is legal!
DARC	3500,0	2048	11	11	J3E-U	E	UiILL	Galician fishery
DARC	3526,7	1706	21	11	J3E-U	E	UiILL	Spanish fishery
DARC	3535,0	1849	19	11	J3E-U	E	UiILL	Spanish fishery
DARC	3540,0	vt	08	11	A3E	F	F3GZ	OP Guy, heard 0838 - 0845
DARC	3540,0	vt	08	11	A3E	F	F6ACB	OP Roland, heard 0838 - 0845
DARC	3540,0	vt	09	11	A3E	F	F3GZ	OP Guy, heard 0820 - 0853
DARC	3540,0	vt	09	11	A3E	F	F6HSB	OP André, heard 0820 - 0853
DARC	3540,0	vt	09	11	A3E	F	F6DVD	OP Marcel, Colmar, heard 0820 - 0853
DARC	3540,0	vt	09	11	A3E	F	F8XH	OP Jacques, heard 0820 - 0853
DARC	3540,0	vt	09	11	A3E	F	F5MHR	OP Jean-Paul, heard 0820 - 0853
DARC	3540,0	vt	09	11	A3E	F	F5DQH?	?, heard 0820 - 0853
DARC	3540,0	vt	09	11	A3E	F	F2QH?	?, heard 0820 - 0853
DARC	3540,0	0719	10	11	A3E	F	French Lis Amateur	active daily, A3E in CW section, is in contradiction to IARU bandplan
DARC	3550,0	0730	19	11	A3E	F	French Lis Amateur	active daily, A3E in CW section, is in contradiction to IARU bandplan
DARC	3551,0	0908	25	11	A3E	F	French Lis Amateur	OP Lucien, AM in CW section
DARC	3560,0	2245	04	11	J3E-L	F	UiILL	French male persons, no calls, hellos - to 3565
DARC	3565,0	2254	04	11	J3E-L	F	UiILL	French male pesons, no calls, hellos - from 3560
DARC	7000,0	vt	01	11	J3E-L	I	IT9KBX?	Italian net, LSB used - heard 1700 - 1706
DARC	7000,0	vt	01	11	J3E-L	I	IW9HIZ?	Italian net, LSB used - 1700 - 1706
DARC	7000,0	vt	01	11	J3E-L	I	IW2IHH	OP Pietro, Monza - 1700 - 1706
DARC	7000,0	vt	01	11	J3E-L	I	IW2OAJ?	Italian net, LSB used - 1700 - 1706
DARC	7000,0	vt	04	11	J3E-L	I	IT9KKE	OP Carlo, heard 1642 - 1651, with IT9ENJ
DARC	7000,0	vt	04	11	J3E-L	I	IT9ENJ	OP Salvatore, heard 1642 - 1651, with IT9KKE
DARC	7000,0	1750	11	11	J3E-U	E	UiILL	Spanish fishery
DARC	7000,0	1854	16	11	J3E-L	I	UiILL	Italian male traffic
DARC	7000,0	0915	17	11	J3E-U	MRC	UiILL	Moroccan fishery
DARC	7000,0	1448	18	11	J3E-U	S.As	UiILL	S.As voices
DARC	7000,0	1819	26	11	J3E-L	I	UiILL	Italian Amateurs (???) using SSB-LSB. LSB is out of band!
DARC	7000,0	1600	29	11	J3E-U	INS	UiILL	Indonesian male net

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	7000,8	2130	15	11	J3E-U	E	UiILL	Spanish fishery
DARC	7005,0	1538	20	11	J3E-U	F.Ea	UiILL	unid pirates
DARC	7023,0	1609	27	11	J3E-U	RUS	UiILL	male voice spelling Russian letters
DARC	10101,0	1434	03	11	J3E-U	F.Ea	UiILL	pirates
DARC	10121,0	1814	05	11	J3E-U	E	UiILL	Spanish fishery
DARC	10123,0	0834	15	11	J3E-U	G	UiILL	2 male persons in British English dialect, often mentioning "London"
DARC	10126,0	08038	08	11	J3E-U		UiILL	Ar male traffic
DARC	10135,9	vt	07	11	J3E-U	F	F4CJY	Arnaud, Antibes - heard 1030 - 1045
DARC	10135,9	vt	07	11	J3E-U	F	F6DCN	heard 1030 - 1045
DARC	10136,0	1030	17	11	J3E-U	F	French Lis Amateur	due to IARU Bandplan SSB is not allowed on Band 10, heard 18 27 at 1029, 1027
DARC	10138,0	vt	vd	11	J3E-U	F	French Lis Amateur	due to IARU Bandplan SSB is not allowed on Band 10
DARC	10150,0	1658	11	11	J3E-U	KOR	UiILL	Korean ships
DARC	10150,0	1122	20	11	J3E-U	S.As	UiILL	Hindi voice?
DARC	10150,0	0845	27	11	J3E-U	E	UiILL	Spanish fishery
DARC	14000,0	0847	02	11	J3E-U		UiILL	unid male voices
DARC	14000,0	1424	04	11	J3E-U		UiILL	man in Arabic voice calling "Hassib"
DARC	14000,0	1527	05	11	A3E	ISR	EZI2	female voice, roundslip, "Echo Zulu India Two" - is Mossad
DARC	14000,0	1527	05	11	A3E	ISR	UIX2	female voice, roundslip, "Uniform India X-Ray Two" - is Mossad
DARC	14000,0	1714	05	11	J3E-U	E	UiILL	Spanish male to female, later to 14420
DARC	14000,0	0857	12	11	J3E-U	KOR	UiILL	Korean ships
DARC	14000,0	0750	19	11	J9WWF		UiILL	voice scrambler used
DARC	14000,0	1143	26	11	J3E-U	E	UiILL	Spanish fishery
DARC	14000,0	vt	vd	11	J3E-U	B	UiILL	pirate net, male and female persons, heard 02 03 at 1559, 1622
DARC	14000,0	vt	vd	11	J3E-U	S.As	UiILL	pirates in S.As language, heard 03 06 11 27 at 1034, 1058, 1133, 1330 - daily
DARC	14000,5	1033	28	11	J3E-U	S.As	UiILL	Hindi voice?
DARC	14001,2	1000	02	11	J3E-U	F.Ea	UiILL	Hindi voice?
DARC	14001,3	1058	12	11	J3E-U	S.As	UiILL	pirates in Indian Ocean, fishery
DARC	14001,5	vt	vd	11	J3E-U	S.As	UiILL	pirates in S.As language, heard 03 06 at 1039, 1311
DARC	14002,8	1046	15	11	J3E-L	E	UiILL	Spanish fishery, LSB used
DARC	14070,0	0957	01	11	J3E-L	F	UiILL	French male person, "canal 5"
DARC	14087,0	1727	05	11	J3E-U	E	UiILL	Galician pirates, fishery?
DARC	14100,0	1646	02	11	J3E-U	E	UiILL	male to female in Spanish voice, no hams!
DARC	14100,0	0907	06	11	J3E-U		UiILL	male to female, unknown language heard 0907 - 0914
DARC	14100,7	0932	06	11	J3E-U	MRC	UiILL	male person in Ar voice, engine noise
DARC	14100,8	1004	02	11	J3E-U	MRC	UiILL	pirates from Morocco
DARC	14103,2	0813	08	11	J3E-L	S.As	UiILL	male person in South Asiatic voice
DARC	14110,0	1647	02	11	J3E-U	E	UiILL	see 14100, to 14110, later to 14490
DARC	14111,0	1329	08	11	J3E-U	S.As	UiILL	S.As male net
DARC	14112,0	0845	06	11	J3E-U	E	UiILL	Spanish fishery
DARC	14115,0	vt	07	11	J3E-U	E	UiILL	male to female in Spanish, no hams, heard 0810 - 0814, "por la 9000" and leaving the frequency
DARC	14115,0	vt	08	11	J3E-U	E	UiILL	male to female in Spanish, no hams, heard 0810 - 0815, "por la tarde" and leaving the frequency
DARC	14115,0	1537	16	11	J3E-U	I	UiILL	male to female in Italian voice, no hams - with Africa
DARC	14115,0	1537	16	11	J3E-U	Af	UiILL	male to female in Italian voice, no hams - with Italy
DARC	14125,0	vt	02	11	J3E-U	E	UiILL	2 male persons in Galician voice, heard 0900 - 0914
DARC	14140,0	vt	07	11	J3E-U	E	UiILL	2 male persons in Spanish, one person is "Rafa", "agua" often mentioned, heard 1000 - 1009
DARC	14202,0	vt	06	11	J3E-U	MRC	UiILL	2 male persons in MRC voice, shrieky

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
								voice, QSA5 (S9), heard 0915 - 0929
DARC	14288,0	0842	02	11	J3E-U	KOR	UiILL	2 male persons in Korean voice
DARC	14305,0	1605	26	11	J3E-U	E	UiILL	no hams, OP Paco, Spanish language traffic
DARC	14348,0	vt	15	11	J3E-U	Af	UiILL	2 male voices in African voice, heard 1550 - 1557
DARC	14350,0	1008	01	11	J3E-U	E	UiILL	Spanish net with "Mama"
DARC	14350,0	0814	16	11	J3E-U	E	UiILL	male to female in Spanish voice, to LSB
DARC	14350,0	vt	16	11	J3E-L	E	UiILL	male to female in Spanish voice, heard 0814 - 0817 from USB - "por la cuatro" (to frequency no 4) and off frequency
DARC	14350,0	0848	27	11	J3E-U	E	UiILL	Spanish male to female
DARC	18092,0	1146	04	11	J3E-U		UiILL	unid pirates
DARC	21000,0	1431	11	11	J3E-U	E	UiILL	Spanish fishery
DARC	21000,0	1613	14	11	J3E-U	MRC	UiILL	Moroccan fishery, from 21181,7
DARC	21002,0	1135	15	11	J3E-U	S.As	UiILL	Hindi voice?
DARC	21002,0	vt	vd	11	J3E-U	F.Ea	UiILL	pirates heard 19 20 23 at 1045, 1034, 1027
DARC	21070,0	1047	19	11	J3E-U		UiILL	pirates in Arabic voice, QTE southern Germany: 130 degs.
DARC	21116,0	1326	25	11	J3E-L	E	UiILL	Spanish male person, fishery?
DARC	21180,0	0935	23	11	J3E-U	E	UiILL	Spanish male person, with buzzing tone to call partner
DARC	21181,7	0911	05	11	J3E-U	MRC	UiILL	pirates, possibly fishery
DARC	21181,7	vt	06	11	J3E-U	MRC	UiILL	3 male persons in MRC voice and a bit French, engine noise, max S9+15dB, heard 0940 - 0952 - report to BNetzA, H Domni
DARC	21181,7	vt	06	11	J3E-U	MRC	UiILL	3 male persons in MRC voice, engine noise, max S9+15dB, heard 1053 - 1056
DARC	21181,7	vt	06	11	J3E-U	MRC	UiILL	2 male persons in MRC voice, shrieky voice, strong DIESEL engine noise, QSA5 (S9+15db), heard 1435 - 1500
DARC	21181,7	vt	08	11	J3E-U	MRC	UiILL	2 male persons in MRC voice, shrieky voice, strong DIESEL engine noise, QSA5 (S9+15db), heard 1612 - 1615
DARC	21181,7	1134	15	11	J3E-U	MRC	UiILL	2 male persons, S8
DARC	21181,7	vt	vd	11	J3E-U	MRC	UiILL	very active frequency, traffic heard 09 - 16 at 1100, 1351, 1608, 1647, 1800 - one of the fishermen is "Mohammed"
DARC	21184,5	1654	11	11	J3E-U	MRC	UiILL	Moroccan fishery, from 21187,7
DARC	28055,0	1038	23	11	A3E	E	UiILL	2 male persons in Spanish voice
DARC	28085,0	1038	23	11	A3E	E	UiILL	2 male persons in Spanish voice
DARC	28105,0	1000	19	11	A3E	E	UiILL	CB-ers in Spanish voice
DARC	28115,0	1038	23	11	A3E	E	UiILL	2 male persons in Spanish voice
DARC	28135,0	1038	23	11	A3E	E	UiILL	2 male persons in Spanish voice

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	1894,0	2047	16	11	QPSK	G	UiMUX			system THALES DELTAFIX, Radio Navigation, located Scotland - is legal!
DARC	3500,0	**	**	**	****		Note			The range 3500 - 3800 kHz is also allocated to the Fixed Service on a primary basis. The BC Service (Radio Korea-North) is not allowed!
DARC	3506,0	2024	05	11	FSK8		UiMUX			ALE, selcall WZ, unid
DARC	3507,3	1959	05	11	PSK	D	German Navy			ARCOTEL MAHRS, is allowed!

CLUB	KHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	3512,0	1822	11	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D - is allowed!
DARC	3524,0	1752	28	11	F1B	RUS	UiiPTR	75	250	unid printer
DARC	3526,0	2103	19	11	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, is allowed!
DARC	3534,0	1927	14	11	G7B		UiMUX			NATO-LINK-11, 2k4, 2300 kHz, unid
DARC	3539,0	1739	12	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3540,0	0719	10	11	A3E	F	French Lis Amateurs			using A3E in CW section, daily
DARC	3540,0	0843	08	11	A3E	F	F3GZ			OP Guy, not conform to IARU BANDPLAN: A3E in CW section
DARC	3540,0	0843	08	11	A3E	F	F6ACB			OP Roland, not conform to IARU BANDPLAN: A3E in CW section
DARC	3548,0	2144	09	11	F1B	RUS	UiPTR	50	200	unid printer, is allowed!
DARC	3560,0	vt	vd	11	A3E	KRE	Voice of Korea (North)			broadcast daily heard 07 - 19 at 1745 - 2120
DARC	3562,0	2154	21	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D - is allowed!
DARC	3566,0	2040	16	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, received in LSB - is allowed
DARC	3568,0	1824	11	11	F1B	RUS	UiPTR	50	250	unid printer
DARC	3570,0	1958	27	11	F1B	RUS	UiPTR	75	250	unid printer
DARC	3570,0	2041	16	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, received in USB - is allowed
DARC	3573,0	1947	15	11	G7B		UiMUX			frequency hopper, daily
DARC	3576,0	2017	13	11	J7D	RUS	UiMUX	12 x 120		MPSK-12, AT-3004-D, received in LSB - is allowed
DARC	3580,0	2019	13	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, received in USB - is allowed!
DARC	3582,0	1700	23	11	A1A	I	IZ3DVW / BEACON			unwanted beacon
DARC	3588,0	2000	27	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3593,7	2143	09	11	A1A	UKR	beacon D Seva-stopol			MIL beacon, is allowed!
DARC	3613,0	1643	23	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3645,0	2310	16	11	A1A		UiCW			encrypted CW, 5-Letter-groups is legal
DARC	3666,0	2007	09	11	FSK8		UiMUX	125	1750	ALE, selcalls JDI, RGI
DARC	3685,9	2200	21	11	G7B	G	UiMUX		2800	Stanag4285, 2k4, 8PSK, 1200 Bps - location is Hull - is allowed!
DARC	3699,5	2030	13	11	A1A	RUS	beacon P Kalinin-grad			RUS Navy Kaliningrad - is allowed!
DARC	3714,0	2001	27	11	F1B	RUS	UiPTR	81	250	unid printer
DARC	3714,0	2105	19	11	F1B	RUS	UiPTR	75	250	unid printer
DARC	3728,0	1642	23	11	F1B	RUS	UiPTR	81	250	unid printer system 81
DARC	3728,0	2001	27	11	F1B	RUS	UiPTR	81	250	unid printer
DARC	3732,0	2021	09	11	F1B	RUS	UiPTR	75	250	unid printer, is allowed!
DARC	3756,0	1945	03	11	A3E	UKR	"The Pip"			10 tones, unid purpose
DARC	3756,0	1949	05	11	A3E	UKR	"The Pip"			10-tones, is UKR MIL, daily
DARC	7000,0	1349	11	11	G7B		UiMUX			frequency hopper, daily
DARC	7000,0	1529	28	11	P0N	CHN	Chinese OTH-			43 pulses per second, located South East China

CLUB	KHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
	7090,0						Radar			
DARC	7000,0	1603	28	11	A1A	ISR	4XZ			Israeli Navy Haifa roundslip
DARC	7000,0	1841	23	11	FSK8	CHN	UiMUX			ALE, selcalls 221 - PRC-PLA
DARC	7000,0	1901	18	11	FSK8	F.Ea	UiMUX			ALE, selcalls ESD, ROW
DARC	7000,0	2000	01	11	A3E	BLR	Radio Belarus Minsk			IM from 7105, daily
DARC	7000,0	vt	28	11	A1A	ISR	4XZ Israeli Navy Haifa			"vuv de 4xz _____", heard 1600 - 1623
DARC	7001,5	1930	23	11	8PSK		UiMUX			unid CLOVER-2000, 8 x 62,5 Bd, PSM
DARC	7003,0	1536	20	11	FSK8	M.Ea	UiMUX			ALE, selcalls T01185, R23894 - is US MIL, daily
DARC	7003,0	1900	01	11	FSK8	M.Ea	UiMUX			ALE, selcall T01147, is US-MIL Middle East
DARC	7008,0	1751	09	11	F1B	RUS	UiPTR	50	250	unid printer
DARC	7010,0	0850	05	11	FSK8	MAK	UiMUX			ALE, selcalls RS0, CS0, CS002 - is Macedonian MIL
DARC	7010,0	2306	19	11	A3E	BLR	Radio Minsk			IM from 7105, daily
DARC	7012,0	vt	07	11	F1B		UiPTR			unid printer heard 0706 - 1001
DARC	7014,0	1950	20	11	FSK8		UiMUX			ALE, selcalls 411415, 411411
DARC	7015,5	1949	20	11	G7B		UiMUX			unid CODAN-9001, 16 x 75 Bd, QPSK
DARC	7018,0	1659	01	11	F1A	RUS	REA4 Airforce Moscow	50	1000	reversals 1000 Hz
DARC	7018,0	1800	01	11	F1A	RUS	REA4 Airforce Moscow		1000	reversals
DARC	7020,0	1609	21	11	P0N	CHN	Chinese OTH-Radar			50 pps and 24 pps observed, location is Hainan Island, P.R. China
DARC	7030,0	0923	03	11	F1B	RUS	UiPTR	100	250	unid printer, idling
DARC	7032,0	0848	29	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7032,0	1111	21	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7032,0	1405	23	11	P0N	CHN	Chinese OTH-Radar			43 pulses per second
DARC	7035,0	0953	09	11	N0N		UiCAR			carrier lasting for hours
DARC	7035,0	2002	22	11	A3E		UiBC			IM of 7265 kHz, possibly Romanian language
DARC	7036,0	1917	15	11	F1B	RUS	UiPTR	50	150	unid printer
DARC	7038,7	1804	04	11	A1A	UKR	beacon D Sevastopol			located Sevastopol heard all month
DARC	7038,8	0831	01	11	A1A	RUS	beacon P Kaliningrad			located Kaliningrad heard all month
DARC	7038,9	1804	04	11	A1A	RUS	beacon S Murmansk			located Murmansk heard all month
DARC	7039,0	vt	dly	11	A1A	RUS	beacon C Moscow			located Moscow heard all month 0812, 1549, 2107
DARC	7039,2	vt	vd	11	A1A	RUS	Beacon F Vladiv.			beacon heard 01 10 at 1700, 2100 - Vladivostok
DARC	7039,6	1405	30	11	A1A	I	IZ3DVW / BEACON			unwanted beacon heard 15 22 30 at 1400 - 1600
DARC	7040,0	vt	vd	11	A3E	RUS	Voice of			IM, 7105 x 2 - 7170 = 7040

CLUB	KHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
							Russia			- heard all month, times: 1744 - 2115
DARC	7044,0	vt	vd	11	A1A	RUS	REA4 Omsk			dotter daily heard 1625 - 2105
DARC	7045,0	1822	05	11	FSK8	GEO	UiMUX			ALE, selcalls 2BR, 3BR, 8GS - is Georgian MIL, daily
DARC	7048,0	vt	27	11	A3E		UiBC			totally distorted px, Ru voice, found // 7110, heard 1525 - 1629
DARC	7054,0	vt	vd	11	F1B	RUS	Printer Novgorod	50	200	printer daily 1922 - 2144
DARC	7056,8	1700	18	11	A1A	CHN	L9CC			roundslip
DARC	7057,9	2114	17	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7058,5	2046	19	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7060,0	2130	16	11	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7060,0	vt	vd	11	P0N	CHN	Chinese OTH-Radar			43 pulses per second, heard 18 19 20 1705 - 2008, 6990 - 7060, reported to BNetzA
DARC	7060,5	1748	20	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7060,7	2037	16	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7062,3	2138	09	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7062,9	2234	10	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7063,3	2013	13	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7063,5	1042	21	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7064,7	1804	04	11	A3E	IND	All India Radio			chirping carrier, much distortion, A 9 + 20 dB, found // 7410 with weak modulation
DARC	7065,8	2015	15	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7067,0	vt	31	11	A3E	IND	All India Radio			completely distorted modulation with strong hum, QSA5 (S9+15dB), splattering 10 kHz, heard 2010 - 2118 - fundamental found on 7410 (also distorted), 2nd mix found on 7753 also completely distorted and S9+15dB
DARC	7068,7	1954	23	11	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7069,0	vt	02	11	A3E	IND	All India Radio			very overmodulated px, 1745 - 1945: GOS-4, 1945 - 2045: Hindi px, 2045 - 2230: GOS-5 - fundamental is on 7410 kHz - address: spectrum-manager@air.org.in
DARC	7069,0	vt	06	11	A3E	IND	All India Radio			interference has ceased
DARC	7070,0	1837	17	11	FSK8	CHN	UiMUX			ALE, selcalls 288, 204, 686 - CHN-PRC-PLA
DARC	7076,0	1550	26	11	F1B	RUS	UiPTR	75	250	unid printer
DARC	7076,0	vt	02	11	F1B	RUS	UiPTR	75	250	unid printer heard 0838 - 1006

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7077,0	1654	21	11	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	7078,0	1648	21	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7083,0	2203	01	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7090,0	2000	01	11	A3E	BLR	Radio Belarus Minsk			splatters from 7105, daily
DARC	7090,0	vt	vd	11	8PSK	South East Eu	UiMUX			LINK-11-SLEW, 8PSK, 2k4, S.Eu - heard 17 18 at 2000, 1348
DARC	7095,0	1854	16	11	A3E	RUS	Radio Moscow			harmful splatters from 7105
DARC	7095,0	vt	21	11	A3E		UiBC			harmful splatters from 7105, heard 1658 till s/off at 1700
DARC	7100,0	1405		11	A3E	ERI	Voice of the Broad Masses			heard all month 1400 - 1800, 10 reports all month, S9+20dB
DARC	7100,0	1839	30	11	A3E	KOR	Voice of Korea (North)			
DARC	7100,0	1915	14	11	A3E		UiBC			
DARC	7116,0	0849	29	11	F1B	RUS	UiPTR	75	200	unid printer
DARC	7118,0	1132	23	11	F1B	RUS	UiPTR	75	259	unid printer
DARC	7118,0	vt	vd	11	F1B	RUS	UiPTR Moscow	81	250	unid printer heard 05 06 10 at 0852, 0832, 0928
DARC	7142,0	1016	15	11	F1B	RUS	UiPTR	75	250	unid printer
DARC	7142,0	1212	20	11	F1B	RUS	UiPTR	73	250	unid printer, idling
DARC	7188,0	0829	01	11	F1B	RUS	UiPTR	81	250	unid printer
DARC	7192,0	1153	21	11	F1B	RUS	UiPTR	50	200	unid printer
DARC	7198,0	0850	26	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7198,0	0852	05	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	10100,8	vt	vd	11	F1B	D	DDK9			German weather daily 0741 - 1011
DARC	10103,4	0838	08	11	F1B		UiPTR			unid printer, fast reversals
DARC	10105,0	1635	19	11	FSK8		UiMUX			ALE, selcall 911913
DARC	10112,0	vt	vd	11	8PSK	TUR	UiMUX	2k4	2600	STANAG-4285, 8PSK, 2400 Bd, Turkish MIL, heard 02 06 07 09 at 0741 - 0953, daily
DARC	10120,0	1042	05	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50-Hz-system (50 pulses-per-second)
DARC	10125,0	0918	17	11	FSK8		UiMUX			ALE, selcalls HQ1, MSAAD
DARC	10126,0	1158	20	11	G7B		UiMUX			frequency hopper, daily
DARC	10127,5	1154	20	11	F1B	RUS	UiPTR	40,8	250	unid printer system FROST-1
DARC	10129,4	1053	24	11	G7B	CHN	UiMUX			wideband signal 3,4 kHz spread, selective fading
DARC	10129,5	0852	24	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	10130,0	1046	26	11	F1B		UiPTR	50	500	unid printer, Baudot encrypted
DARC	10133,8	1440	04	11	F1B		UiPTR	46,2	170	located Indian Ocean, daily at various times
DARC	10134,0	vt	07	11	F1B		UiPTR			unid printer heard 0813 - 0914
DARC	10140,0	0949	04	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50-Hz-system (50 pulses-per-second)
DARC	10145,0	0924	03	11	P0N	G / CYP	British OTH-Radar			chirping pulses 50-Hz-system (50 pulses-per-second)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
							Cyprus			
DARC	10148,0	0953	09	11	F1B		UiPTR			unid printer
DARC	10148,0	1134	09	11	F1B	RUS	UiPTR	50	250	unid printer
DARC	10148,0	vt	vd	11	F1B	RUS	UiPTR	81	250	unid printer heard 01 02 at 0835, 1006
DARC	10148,2	0838	08	11	F1B		UiPTR			unid printer
DARC	10150,0	1434	26	11	MFSK 36	CIS	UiMUX	40	1400	CROWD36, 36 tones, 1,4 kHz spread
DARC	10155,0	0950	01	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses
DARC	13970,0	vt	vd	11	JAM	CHN	Firedrake Music Jammer			is active 22 25 at 0858, 1010 - just info!
DARC	14000,0	0640	19	11	A3E		UiBC			Italian programme
DARC	14000,0	0714	10	11	A3E		UiBC			unid BC, IM?
DARC	14000,0	0951	03	11	FSK	EGY	UiMUX			telemetry, daily at various times
DARC	14000,0	1031	21	11	FSK8	CHN	UiMUX	125	1750	ALE, selcalls 239, is PRC-PLA
DARC	14000,0	1040	13	11	FSK8	E	UiMUX			ALE, selcalls ES2GRUTRA, ES1GRUTRA - is Spanish MIL
DARC	14000,0	1306	16	11	FSK8		UiMUX			system ALE, selcall SA1
DARC	14000,0	1310	06	11	N0N	ISR	UiCAR			carrier lasting for hours
DARC	14000,0	1351	11	11	N0N	ISR	UiCAR			carrier lasting for hours
DARC	14000,0	1420	29	11	N0N		UiCAR			multicarrier system, Turkey or Israel
DARC	14000,0	1527	05	11	A3E	ISR	EZI2			roundslip female voice "Echo Zulu India Two"
DARC	14000,0	1531	01	11	G7B		UiMUX			frequency hopper, daily
DARC	14000,0	1559	05	11	A3E	ISR	UIX2			roundslip female voice "Uniform India X-Ray Two"
DARC	14000,0	1836	03	11	G7B		UiMUX			frequency hopper, daily
DARC	14001,0	1433	26	11	N0N		UiCAR			double carrier system carriers on 14001 and 14002, QTE Germany 120 degs.
DARC	14001,8	0722	14	11	A3E		UiBC			IM, Italian program
DARC	14006,0	0747	19	11	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D
DARC	14026,0	1106	13	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14050,0	0907	07	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14086,0	0952	05	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14091,0	0825	16	11	A1A	RUS	UiCW			encrypted Cyrillic CW
DARC	14104,0	0811	16	11	F1B		UiPTR			unid printer
DARC	14104,0	vt	vd	11	F1B	RUS	UiPTR	81	250	printer located Vladivostok
DARC	14111,0	2111	01	11	G7B		UiMUX			frequency hopper, daily
DARC	14114,0	1059	06	11	G7B		UiMUX			frequency hopper, daily
DARC	14120,0	0812	07	11	F1B		UiPTR			unid printer
DARC	14120,0	vt	vd	11	F1B	RUS	UiPTR	81	250	unid printer system 81, heard 18 27 at 1005, 0918
DARC	14160,0	1109	21	11	F1B	RUS	UiPTR	81	250	unid printer system 81
DARC	14204,0	0857	13	11	F1B	RUS	UiPTR	81	250	unid printer system 81
DARC	14210,0	0927	23	11	A3E		UiBC			2f de 7105
DARC	14221,0	0837	23	11	F1B	RUS	UiPTR	75	500	unid printer
DARC	14221,0	1230	17	11	A1A		letter "C"			roundslip letters TR or letter C?
DARC	14221,3	0927	23	11	F1B		UiPTR			unid printer
DARC	14222,0	1118	07	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14242,0	0907	07	11	J7D	RUS	UiMUX			MPSK-12, AT-3004-D

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14332,0	vt	07	11	F1B		UiPTR			unid printer heard 0706 - 1001
DARC	14345,7	1145	17	11	F1B	EGY	MFA Cairo			SITOR-A, ATU-80-alphabet
DARC	14350,0	0900	13	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50-Hz-system (50 pulses-per-second)
DARC	18085,0	1025	27	11	P0N	G / CYP	British OTH-Radar Cyprus			25 pulses per second, = 25 Hz system
DARC	18105,0	1020	01	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses
DARC	18120,0	0850	24	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 25-Hz-system (25 pulses-per-second)
DARC	18120,0	1115	02	11	A3E	IND	Radio Pakistan			completely distorted px, fundamental found 17895 - spurious also on 17745, 17783, 17820, 17855, 17932, 17970, 18045
DARC	18130,0	1319	24	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 40 kHz spread
DARC	18130,0	1340	24	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 25-Hz-system (25 pulses-per-second)
DARC	18135,0	1450	16	11	A3E	USA	Voice of America			distorted and splattering spurious, fundamental found on 17715 and 17895 - SKP also on 17730, 17180, 17980
DARC	18160,0	vt	15	11	A3E JAM	CHN	Firedrake Music Jammer			heard 0600 - 1030 - is the target of the music jammer
DARC	18160,0	vt	15	11	A3E JAM	TWN	Sound of Hope			heard 0600 - 1030 - is the target of the music jammer
DARC	18160,0	vt	16	11	A3E JAM	CHN	Firedrake Music Jammer			heard 0853 - 1300 - info to KON
DARC	18160,0	vt	16	11	A3E JAM	TWN	Sound of Hope			heard 0853 - 1300 - is the target of the Music Jammer - info to KON
DARC	18180,0	0720	22	11	JAM	CHN	Firedrake Music Jammer			heard 17 18 21 25 30 at 0350 - 1100 - just info!
DARC	21000,0	0902	13	11	F1B	RUS	UiPTR	39,6	1000	unid printer, idling
DARC	21000,0	0911	22	11	F1B	RUS	RWB5	50	1000	idling
DARC	21000,0	0911	22	11	F1B	RUS	RWZ2	50	1000	idling
DARC	21000,0	1425	11	11	G7B		UiMUX			frequency hopper, daily
DARC	21135,0	1053	19	11	FSK8	IRQ	Iraqi MOD			ALE, selcalls IGF, MOD, SFCI - is Iraqi MOD, daily
DARC	21180,0	0830	06	11	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50-Hz-system (50 pulses-per-second)
DARC	21315,0	vt	25	11	P0N	G / CYP	British OTH-			is active 1018 - 1027 and longer

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
							Radar Cyprus			
DARC	21320,0	1026	25	11	P0N	G / CYP	British OTH- Radar Cyprus			chirping pulses 25-Hz- system (25 pulses-per- second)
DARC	21330,0	0915	22	11	P0N	G / CYP	British OTH- Radar Cyprus			chirping pulses 40 kHz spread S 9 + 30 dB
DARC	21335,0	0913	22	11	P0N	G / CYP	British OTH- Radar Cyprus			25 pulses per second, = 25 Hz system
DARC	21400,0	0857	02	11	F1B		UiPTR		2000	unid printer, 2f de 10700

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
MRASZ	7000,0	0-24	DLY	11	UNID	ALE	ALE	125	1750	ESD CONTACTED: AKK, ROW, SKJ, AND KNM-SKJ, TSG-BKJ, THERE IS OTHER NET HERE: 2010- 2074, 2043-2009, 2052-2043, 2074-2010,
MRASZ	7003,0	0-24	DLY	11	FSK8	USA	ALE	125	1750	AMERICAN AIR FORCES IN KOSOVO CALLSIGNS: T01185,R237229, R23894,R27022, R23839
MRASZ	7008,0	0-24	DLY	11	FSK8	USA	ALE	125	1750	362-396 UNIDENTIFIED NETWORK
MRASZ	7010,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	RS-CS NETWORK
MRASZ	7014,0	0-24	DLY	11	FSK8	MAU	ALE	125	1750	KP66-KP20, BEN-EEN, DE8-TXZ, YW1-TXZ, MAURITANIAN UNIDENTIFIED USER
MRASZ	7014,0	0-24	DLY	11	FSK8	NIG	ALE	125	1750	NIGERIEN POLICE: 311- 411, 411-411
MRASZ	7020,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	CS-RS NETWORK
MRASZ	7026,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	BADBEE4PROMAIN- BCTPROMAIN
MRASZ	7034,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	527 called 277 277 NETWORK
MRASZ	7038,0	0-24	DLY	11	A1B	RUS	A1A			D LETTER
MRASZ	7039,0	0-24	DLY	11	A1A	RUS	A1A			C LETTER
MRASZ	7045,0	0-24	DLY	11	FSK8	GEO	ALE	125	1750	8GS net.IDENTIFIED AS A GEORGIAN MILITARY. Callsigns:KBT, 8GS, MHE, 3BR, 2BR, BRN, KGT, ART, SE2, 21B, AL5, 1BR,KBT,4BR,ZEN,
MRASZ	7054,0	0-24	DLY	11	FSK2	RUS	REA4	50	250	s7 fast revs and telegram
MRASZ	7060,0	43	DLY	11	FSK8	UNID	ALE	125	1750	SND9056
MRASZ	7061,0	159	DLY	11	FSK8	NIG	ALE	125	1750	211211 called 211215 NIGERIAN POLICE
MRASZ	7070,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	MEV- 514,288NET:204,244,514,68 6,587,571,334,494,
MRASZ	7075,0	1729	DLY	11	F1N	UNID		50	700	fast revs

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
MRASZ	7080,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	SND:5810
MRASZ	7090,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	SND:4001, NEW INTRUDER
MRASZ	7092,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	CALL SIGNS: 1020,2012,2013,2014,2015,2016,4014,4015,4016,4017,
MRASZ	7097,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	NEW INTRUDER BAS-6ST
MRASZ	7100,0	0-24	DLY	11	FSK8	UNID	ALE	125	1750	SND: 2015,2013,CONTACTED 1020-2014,2010-2014,1010-2010,2011-2010
MRASZ	14006,2	1400	15	11	FSK2	rUS	UiPTR	75	250	
MRASZ	14030,0	836	DLY	11	G7D	Ui	UiMUX	2400		FREQUENCY HOPPING TRANSMISSION, RACAL PANTHER-H
MRASZ	14206,0	1058	18	11	FSK2	KRE	UiPTR	600	600	North Korean embassy
MRASZ	14246,0	1205	DLY	11	FSK2	KRE	UiPTR	600	600	North Korean embassy
MRASZ	14345,0	1100	DLY	11	FSK2	KRE	UiPTR	600	600	North Korean embassy
MRASZ	14346,0	1205	DLY	11	G7D	Ui	UiMUX	2400		FREQUENCY HOPPING TRANSMISSION, RACAL PANTHER-H

OEVSV – Austria – OE3DMA (Alex)

RSGB - Great Britain – G4BOH (Chris)

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	REMARKS
SRAL	7008,0	0835	2	11		UiPTR	F1B		
SRAL	7010,0	0630-0740	21	11		UiMUX	F7		40Hz tone
SRAL	7010,0	1800-1930	5	11		UiBC	A3E		TX intermod. 2 programmes
SRAL	7012,0	0600-1200	7	11		UiPTR	F1B	250	
SRAL	7016A	0810	18	11	RUS	VoRussia	A3E?		Unstable spurious
SRAL	7018,0	1100-2030	1-27	11	RUS	REA4	F1B	1000	25 Hz dots
SRAL	7028,0	0730-1320	*	11		LCY9, 2BYP	A1A		Days 1, 12 & 21
SRAL	7030,0	0900-1400	*	11		UiPTR	F1B	200/230	Days 3, 8, 20 & 28
SRAL	7032,0	0915-1330	21	11		UiMUX	F7		
SRAL	7037,0	1410-1500	1	11		UiMUX	F7		

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	REMARKS
SRAL	7038,7	h24	1-10	11	UKR	D	A1A		Sevastopol
SRAL	7038,8	0600-1700	1-8	11	RUS	P	A1A		Kaliningrad
SRAL	7038,9	0430-1930	1-15	11	RUS	S	A1A		Severomorsk/Murmansk
SRAL	7039,0	h24	Dly	11	RUS	C	A1A		Moscow
SRAL	7044,0	1330-1400	15	11		UiPTR	F1B	250	
SRAL	7050,0	0830-1245	2,12	11	RUS	RGT77	A1A		MR 5BL
SRAL	7050,0	1800-1830	15	11	RUS	VoRussia	A3E		TX intermod.
SRAL	7054,0	0400-0500	1	11	RUS	UiPTR	F1B	250	
SRAL	7056,0	0540	3	11		E4I4	A1A		Calls TSJV etc.
SRAL	7076,0	0830-0900	2	11		UiPTR	F1B	250	
SRAL	7091,0	0630-0800	15	11		UiMUX	F7		
SRAL	7098,0	0900-1400	11, 21	11		UiPTR	F1B	250	25 Hz dots
SRAL	7099,0	1235	7	11		QYWN	A1A		MR 5BL
SRAL	7100,0	1755-2100	dly	11	KRE	Voice of Korea	A3E		
SRAL	7100,0	0400-0600	dly	11	ERI	VoBME	A3E		
SRAL	7100,0	1330-1803	dly	11	ERI	VoBME	A3E		
SRAL	7111,0	0500-1000	11-13	11		UiPTR	F1B	250	37.5 Hz dots
SRAL	7118,0	0700-1100	*	11		UiPTR	F1B	250	Days 4-10, 16 & 30
SRAL	7119,0	1200-1300	7	11		UiMUX	F7		
SRAL	7142,0	0900-1130	15	11		UiPTR	F1B	250	
SRAL	7188,0	0800-1130	1	11		UiPTR	F1B	250	
SRAL	7198,0	0800-0900	*	11		UiMUX	F7		Days 2, 5 & 24
SRAL	10130,0	0900-0930	1	11	CYP	UiOTH	P0N		50 Hz
SRAL	10140,0	0900-1100	3,13	11	CYP	UiOTH	P0N		50 Hz
SRAL	14001,0	1400-1445	1	11		UiPTR	F1B	830	
SRAL	14333,0	0900-0930	13	11		UiMUX	F7		

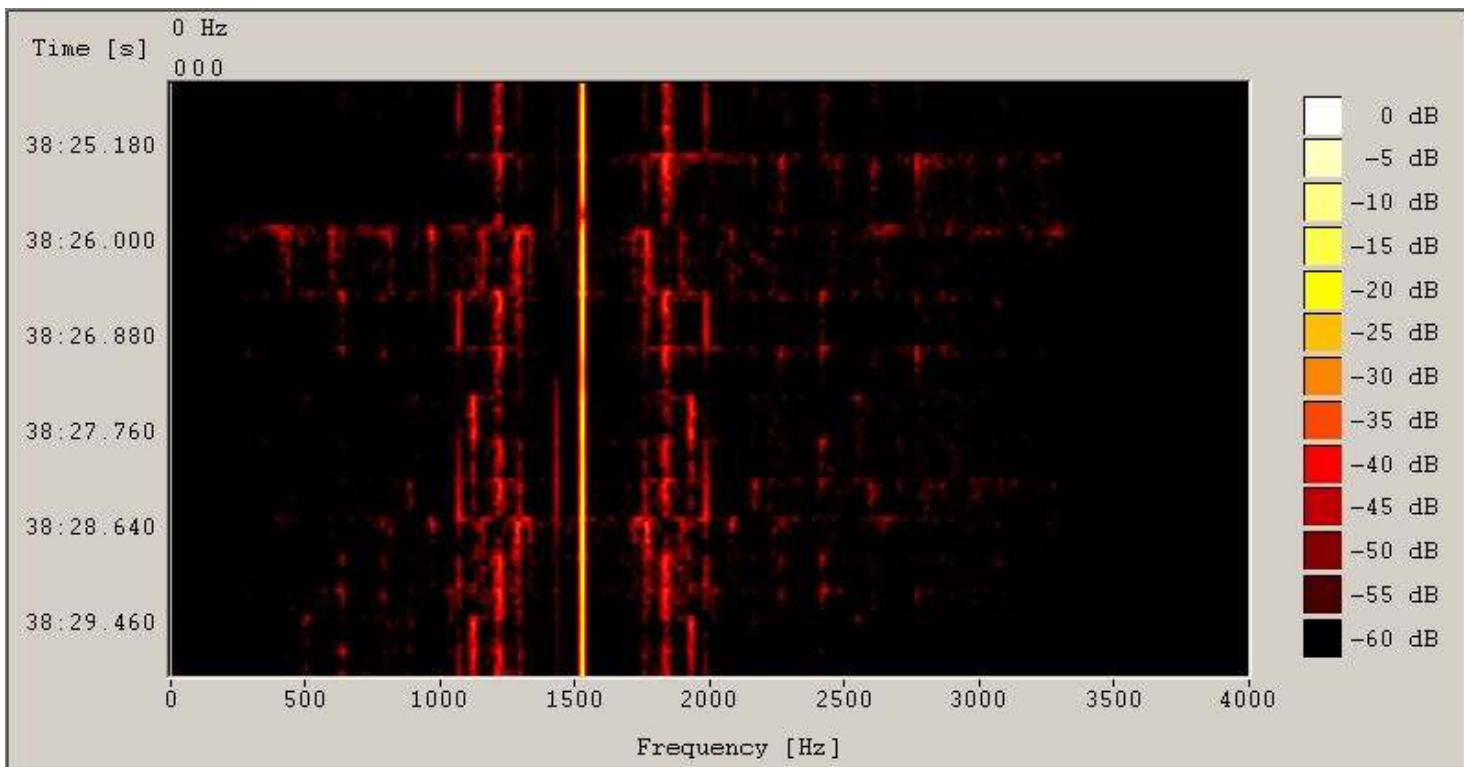
USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.1	1650	05	11			J3e1			italian stations, no callsigns
USKA	7010.0	1059-1236	23	11	MAK		FSK8	125	1750	ALE - MIL 188-141A To RS0 / This is CS002
USKA	7012.0	2205	06	11			F1B	75	250	unident Printer
USKA	7018.0	1635	03	11	RUS	REA4	F1A	50	1000	long CW sequence, than shift keying (50 Baud revs)
USKA	7027.0	1856	30	11			F1A		250	FSK Dots, unident system (50Bd revs 1907 QRT
USKA	7032.0	1052	21	11	RUS		J7D	12x120		CIS-12= AT3004D
USKA	7033.5	1546	30	11					500	unident continuos signal, strong perhaps distorted FSK Signal
USKA	7038.7	2042	08	11	UKR	D	A1A			Beacon Sevastopol
USKA	7038.9	2043	08	11	RUS	S	A1A			Beacon Murmansk
USKA	7039.0	2044	08	11	RUS	C	A1A			Beacon Moscow
USKA	7044.0	1938	15	11			A1A			unident; dots only (daily)
USKA	7045.0	2127	12	11			F1B		250	unident Printer, distorted, signal sometimes interrupted
USKA	7045.0	1346	22	11	GEO		FSK8	125	1750	ALE - MIL 188-141A To: BRN / This is: H@
USKA	7045.0	1401	22	11	GEO		FSK8	125	1750	ALE - MIL 188-141A To 8GS / This is: 1BR To KBT / This is H@ To 4BR / To 2BR and others
USKA	7054.5	1828	30	11			F1A		500	FSK Dots, unident system (50 Bd revs)
USKA	7076.0	1601	26	11	RUS		F1B	75	250	unident Printer, 1611 QRT
USKA	7078.0	1659	21	11	RUS		J7D	12x120		CIS-12 = AT3004D
USKA	7086.0	2148	12	11	BLR		AM			Splatter from Radio Belarus 7105
USKA	7088.0	1626	07	11	BLR		AM			Splatter of Radio Belarus 7105
USKA	7091.0	2143	11	11			F1B	75	250	unident Printer
USKA	7094.0	2138	05	11	BLR		AM			Splatter of Radio Belarus 7105
USKA	7095.0	2310	05	11			F1B	90	170	unident Printer
USKA	7098.0	1307	11	11			F1B	75	250	unident Printer
USKA	7098.0	1343	21	11	RUS		F1B	81	250	CIS-81
USKA	7099.1	1629	07	11		ASO 7 ?	A1A			Characters in groups of 5, and very often ASO 7 (= Callsign ?)
USKA	14038.5	1734	07	11	LBY		F1B	600	600	unident; 1737 QRT
USKA	14248.5	1333	21	11	LBY		F1B	600	600	unident printer, 1341 QRT
USKA	14268.0	1225	14	11			F1B	50	250	unident Printer, strong (59+40) after 1232 long idling
USKA	14346.0	1238	14	11			J3E u			long english conversation, no ham content, no callsigns
USKA	14350.0	1341	23	11			J3E u			ital. conversation. no ham content; no callsigns
USKA	18160.0	1028	15	11			AM			Chinese BC "Firedragon"

Veron – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3500,0	16.43	13	11	E	UiILL	J3EU		Spanish fishery
VERON	7000,0	07.17	17	11		UiILL	J3EU		unknown language, fishery
VERON	7005,0	19.40	26	11	E	UiILL	J3EU		Spanish, male
VERON	7018,0	12.45	**	11	RUS	REA4	F1B	1000	21.49 utc, 14 days, Rus. Airforce, Revs
VERON	7018,0	16.12	13	11	RUS	REA4	F1A		dotter Russian Airforce nr. Moscow
VERON	7038,7	06.22	**	11	UKR	D	A1A		20.16 utc, 5 days, beacon Sevastopol
VERON	7038,8	06.22	**	11	RUS	P	A1A		18.53 utc, 4 days, beacon Kaliningrad
VERON	7038,9	06.22	**	11	RUS	S	A1A		18.53 utc, 8 days, beacon Murmansk
VERON	7038,9	06.22	**	11	RUS	C	A1A		20.16 utc, 20 days, beacon Moscow
VERON	7039,2	14.08	**	11	RUS	F	A1A		18.53 utc, 3 days, Vladivostok
VERON	7039,4	06.44	**	11	RUS	M	A1A		06.53 utc, 2 days, beacon Madagan
VERON	7044,0	19.43	4	11	RUS	REA4	A1B		20.14 utc, dotter - Omsk
VERON	7044,0	17.25	12	11	RUS	REA4	A1A		dotter, also 17/11 18.05 utc
VERON	7050,0	07.30	3	11	E	UiILL	J3EU		Spanish male voices
VERON	7056,8	17.47	18	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7057,5	16.12	17	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7058,5	18.13	19	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7058,7	16.30	29	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7060,1	21.45	30	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7061,1	16.30	14	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7061,6	17.06	6	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7063,7	16.23	21	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7064,5	17.30	12	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7065,6	15.15	25	11	CHN	L9CC	A1A		mix of figures and letters traffic
VERON	7065,6	15.17	25	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7065,6	15.21	25	11	CHN	L9CC	A1A		svc 0262315 rmks etc
VERON	7065,7	17.10	15	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7065,8	18.43	22	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7066,0	19.53	1	11	CIS	LLND	A1A		LLND qtc 840 2312 250 8406 194=5BL
VERON	7066,5	17.47	27	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7066,7	18.42	7	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7066,9	21.16	26	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7067,8	19.38	4	11	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7088,0	16.21	13	11	CIS	UiCW	A1A		4F
VERON	14092,0	07.35	19	11	RUS	RGT77	A1A		5BL
VERON	14092,0	08.25	19	11	RUS	RGT77	A1A		XXX RGT77 KFDP 67401 densimeter K
VERON	14092,0	08.21	26	11	RUS	RGT77	A1A		RGT77 432 5BL K
VERON	14104,0	09.42	**	11	BLR	UiPtr	F1B	250	10.31 utc, 2 days, Mil Ptr Minsk
VERON	14115,0	08.10	7	11	E	UiILL	J3EU		Spanish male-female voices
VERON	14190,0	11.50	16	11		UiBC	A3E		German newsbulletin, info fm PE2KP
VERON	14204,0	08.23	13	11	CIS	UiPtr	F1B	250	Ptr
VERON	14243,0	11.55	15	11	E	UiILL	J3EU		pirates, male, Spanish, also 16/11, 10.36
VERON	14270,0	08.25	13	11	CIS	UiPtr	F1B	250	Revs/Ptr
VERON	14270,0	08.26	13	11	CIS	UiPtr	F1A		dotter
VERON	14308,0	09.45	21	11	CIS	UiPtr	F1B	250	Revs/Ptr
VERON	18160,0	13.00	16	11	CHN	UiBC	A3E		Fire Dragon Jammer, typical CHN music

18160 kHz Chinese music jammer – both sidebands and the carrier are visible!



IARUMS Region 1

Manual2006, Monitoring Template, WAV-files, Fishery Buoys on 10m, Latest Intruder News, Co-ordinator's Corner, Monthly Overview, Newsletter Collection, Important Links, Contacts, 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>

A nice and healthy new year to all our coordinators and friends!

The monitoring team of IARU Region 1

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