

11,90	---	Russian RSDN-20 station, RUS	0000	CW	1 loud and 3 low pips	'05
12,00	---	Russian RSDN-20 station, RUS	0000	CW	1 low pip with QRM	'05
14,90	---	Russian RSDN-20 station, RUS	0000	CW	1 loud and 2 low pips	'05
15,10	---	FOST Rosnay, FRA	1447	MSK 100/		'07
16,40	JXN	Norwegian Navy Norvik, NOR	1112	unid 200/90		'05
16,80	---	prob. FOST, St Assise or Rosnay, FRA	1559	FSK /85/MSK 100/100	several short msgs	'07
17,20	SAQ	Grimeton Radio Varberg, SWE	1257	CW	'This transmission from .. 17 2 kHz ...'	'06
17,80	---	US Navy TACAMO, IW	2339	F1B/RTTY 50/85	tactical bcst to unid naval unit	'06
18,00	RDL	Russian Military, RUS	1628	BEE 36-50 50/65	one T600 msg	'05
18,00	UGE	unid Arkhangelsk, RUS	0053	FEC 100/170	gale warning nr 79	'07
18,10	RDL ?	Russ. High Comm. Chaldovar, KGZ ?	1314	F1B/FSK-CW		'07
18,10	RDL ?	Russ. High Comm. Vileyka, BLR	0000	F1B/FSK-CW	strategic 5fg msg using codeset 22222	'08
18,10	RDL ?	Russ. High Comm. Nizhniy Novgorod, RUS	0715	F1B/FSK-CW 16.7 wpm	36 group 5LG telegram to collective adress RDL	'07
18,10	RDL ?	Russ. High Comm. Imeritinskaya, RUS	0800	F1B/FSK-CW 14.6 wpm	strategic flash msg to unid baltic fleet ?	'06
18,10	RDL ?	Russ. High Comm. Krasnoarmeyskaya, RUS	0700	F1B/FSK-CW	strategic flash msg to unid Northern Fleet	'07
18,10	VGK	General Staff Moscow, RUS	1358	CW	xxx RKS RDL 60157 18197 pletenica 3702 0299	'07
18,20	VTX3	IN Katabomman, Vijayanarayanam, IND	0724	MSK	fair signal	'07
18,30	HWU	French Navy Le Blanc, FRA	1225	UNID 200/85		'05
18,50	---	tent. DHO35 - GN Ramsloh/Saterland, DEU	1953	RTTY 50/85	testing with foxes	'06
18,60	VL3DEF	Royal Australian Navy Woodside, AUS	0725	MSK	ongoing, weak signal	'07
19,50	GBZ	Royal Navy Anthorn/Criggion, GBR	0745	PSK 200/200	encrypted	'06
19,60	---	Royal Navy Skelton, GBR ?	0915	UNID 200	same RDF from N Germany as signal on 22,10 kHz	'05
19,60	GQD	Royal Navy/NATO Anthorn Cumbria, GBR	1842	FSK 200/75		'08
20,20	ICV	NATO Isola di Tavolara, ITA	1029	NON/STANAG-5030/MSK	at 1041 utc back to STANAG 5030 MSK, undecodable	'06
20,50	---	PLAN Datong, CHN	1506	FSK 50/	People's Liberation Army Navy	'07
20,50	RJH63	Radio Centre Krasnodar, RUS	1028	NON	standard frequency transmission	'06
20,50	RJH66	Radio Centre Chaldovar, KGZ	1042	NON	standard frequency transmission	'07
20,50	RJH69	Radio Centre Vileyke, BLR	0637	NON	standard frequency transmission	'06
20,90	HWU	French Navy Le Blanc, FRA	0740	PSK 200/200	encrypted	'06
21,10	---	High Command, Khabarovsk, RUS	1459	F1B/FSK-CW	flash msg to unid unit RDL	'07
21,70	HWU	French Navy Le Blanc, FRA	0737	PSK 200/200	encrypted	'07
21,75	HWU	French Navy Le Blanc, FRA	1157	UNID 200/90	bearing 325/145°	'07
21,80	HWU	French Navy Le Blanc, FRA	1830	F1B		'06
22,10	GQD	Royal Navy Anthorn, GBR	0733	PSK 100/100	encrypted	'07
22,50	---	unid	0911	UNID	continuous sound/spectro like CW ?	'05
22,60	HWU	French Navy Le Blanc, FRA ?	0656	FSK 200/90		'08
23,00	RJH63	Krasnodar Radio Centre, RUS	1028	NON	standard frequency transmission	'06
23,00	RJH69	Vileyke Radio Centre, BLR	0642	NON	standard frequency transmission	'06
23,40	DHO38	German Navy Saterland-Ramsloh, DEU	0810	UNID 200/100	encrypted	'06
23,50	---	unid	0602	DGPS 200/ ?		'08
23,70	DCF42	Telekom DGPS Mainflingen, DEU	1745	SSB-2-PSK proprietary code	carrier pilot on 122,50	'05
24,00	NAA	US Navy Cuttler Mayne, USA	0128	F1B		'06
25,00	RAB99	RN Pokravka comm. ctr. Khabarovsk, RUS	0601	NON/CW	station ID; 'RAB99' at 0606	'05
25,00	RJH63	Krasnodar Time Signal, RUS	1006	CW	tx on at 1002, pulses 1009-1020	'05
25,00	RJH66	RN Time Signal Bishkek, KGZ	1001	CW	at 1006 into regular schedule	'06
25,00	RJH66	Chaldovar Radio Centre, KGZ	1000	NON/CW 27.8 wpm	ID 'rjh66' at 1006 winterschedule	'06
25,00	RJH69	Molodecno Time Signal, BLR	0706	CW		'05
25,00	RJH69	RN Vileyke comm. centre, BLR	0701	NON/CW 30.2 wpm	ID; 'RJH69' at 0706 /1511pm	'05
25,00	RJH77	Arkhangelsk Time Signal, RUS	0906	CW	repeating 'rjh77' until 0907, then into pulses	'05
25,00	RJH99	Nizhniy Novgorod Time Signal, RUS	0406	CW	repeating 'rjh99' until 0407	'05
25,20	NML4	US Navy Atlantic, La Moure, USA	0904	STANAG-5030/MSK data stream	undecodable, fair signal	'06
26,70	TBB	Turkish Navy Bafa, TUR	1810	F1B		'06
27,30	---	Russian MIL/Navy unid tx site, RUS	0748	F1B/BEE 36/50 /75/CW 16.9 wpm	shift idle only, then into F1B/FSK morse	'05
27,30	---	Russian High Comm. HQ Khabarovsk, RUS	0904	F1B/BEE 36-50 /75	NO paralell on 18.10 or 21.10 kHz	'07
36,00	DHO37	German Navy Ramsloh/Rauderfehn, DEU	1635	RTTY 50/45	foxes without identification	'06
37,50	NRK	US Navy Keflavik/Grindavik, ISL	0752	PSK 200/200	encrypted	'06
40,40	SRC	Swedish Navy Varlberg LF Site, SWE	2043	unid 50/150 5N1 synchronous	cipher system not RTTY	'05
40,70	NAU	US Navy Aguada, PTR	0754	PSK 200/200	encrypted	'06
42,50	SRC	Swedish Navy Varberg ?, SWE	0742	MSK 200/79		'08

44,20	HWK	Swedish Navy Karlskrona, SWE	2000	RTTY 50/71		'07
44,20	SAS2	Swedish Navy Varberg, SWE	0811	RTTY 50/71	nx swed	'07
44,20	SRC	Swedish Navy Ruda, SWE	0747	RTTY 50/85	5LGs At 0910 press review	'06
45,90	NSY	US Navy Niscemi, ITA	0804	FSK 200/200	encrypted	'06
45,90	SXA	Greek Navy Spata Attikis, GRC	1854	FSK 200/90		'08
49,00	SXA	Greek Navy Marathon, GRC	0910	FSK 200/83		'08
51,90	GYN	Royal Navy Secure Bcast System, GBR	1109	unid 50/83	Crimond site //81.00 also from Crimond	'05
51,90	GYN1	Royal Navy Thurso, GBR	0807	FSK 50/85	encrypted	'06
51,90	GYN1	Royal Navy Crimond, GBR	0807	FSK 50/85	encrypted	'06
51,95	GYW1	Royal Navy Crimond, GBR	1855	NATO-FSK 50/80		'08
52,00	GYW1	Royal Navy Crimond, GBR	0735	MSK 50/79		'08
53,40	TBG	Turkish Navy Canakkale, TUR	2245	FSK 75/70		'08
57,40	NRK	US Navy Grindavik, ISL	0809	PSK 100/100	encrypted	'06
60,00	MSF	Teddington Time Signal, GBR	0730	CW		'08
60,00	MSF	Anthorn Time Signal, GBR	2338	CW		'07
60,00	MSF	Rugby Time Signal, GBR	1616	CW		'06
61,80	---	unid navy	1849	FSK 50/85	pseudo random bitstream	'08
61,84	GIZ20	Royal Navy Inskip, GBR	0914	FSK 100/75		'08
62,60	FUB	French Navy Paris, FRA	2200	FLB		'06
62,60	FUE	French Navy Brest, FRA	1857	FSK 200/90		'08
63,85	---	unid	0917	FSK 100/100		'08
63,90	1012	unid	0609	DGPS ?		'08
63,90	303	unid	0609	DGPS ?		'08
63,90	361	unid	0609	DGPS ?		'08
63,90	576	unid	0609	DGPS ?		'08
65,80	FUE	French Navy Brest, FRA	0814	PSK 200/200	encrypted	'06
65,90	FUE	French Navy Brest, FRA	0220	FLB		'06
66,70	RBU	Moscow Time Signal, RUS	0830	AM/CW	300 Hz beeps Unusually good daylight signal	'05
68,00	GYN	UKSUBCAMS Northwood, GBR	1630	RTTY 50/85	Comms service msg to HSWMS Sondermanland	'06
68,00	GYN1	Royal Navy Northwood, GBR	2030	RTTY 50/85	unid tx site with welcome msg to HSWMS Sonderland	'06
73,25	MTO21	Royal Navy Crimond, GBR	1723	FSK 100/75		'07
75,00	HBG	Geneve Prangins/Neuchatel TS, SUI	1900	NON	pips	'08
77,50	DCF77	Mainflingen Time Signal, DEU	2341	CW		'07
81,00	GYN	Royal Navy Secure Bcast, GBR	1648	UNID 50/83	Crimond or Skelton transm Parallel with 52 kHz	'06
81,00	GYN2	Royal Navy London, GBR	0815	FSK 50/85	encrypted ,strong signal	'06
81,00	GYN2	Royal Navy Crimdon, GBR ?	0616	RTTY /50/KG84?		'07
81,00	GYN2	Royal Navy Skelton, GBR	0815	FSK 50/85	encrypted ,strong signal	'06
82,75	GYB	Royal Navy London, GBR	1904	NATO-FSK 75/68		'08
82,80	MKL	Royal Air Force Northwood, GBR	1036	NATO-75 75/70	Message blocks Bearing 6° Crimond transmitter	'05
82,80	MKL	Royal Air Force Crimond, GBR	1335	KG-84 75/85	encrypted msgs separated by a few sec of idling	'06
82,80	MKL	AMCC Broadcast Northwood, GBR	1659	NATO-75 75/70	Crimond transmitter	'07
82,80	MKL	MHQ Northwood, GBR	0120	FLB 75/85	MATELO bcast encrypted blocks	'06
82,80	MKL	Royal Air Force Kinloss, GBR	0721	MSK 75/79/KG84	encrypted	'08
82,80	MKL	JMHQ Northwood via Crimond LF Site, GBR	1724	NATO-75 75/70	Block msgs in KG84	'05
84,50	---	unid Navy station	0820	FSK 50/170	encrypted	'06
100,00	---	Various LORAN-C Stations	2343	COMPLEX		'07
104,20	---	continuous signal	1375	unid ?		'05
126,10	---	unid Datatrak station	0823	FSK/PON/80	pulsing every 1680 mS	'06
129,10	DCF49	EFR Telecontrol Mainflingen, DEU	1748	RTTY 200/340 (8 bit asynchronous)	msgs at times id in ASCII	'05
131,70	---	Datatrak Slootdorp, NLD	0824	FSK/PON/80	pulsing every 1680 mS	'06
133,20	---	unid Datatrak station	0824	FSK/PON/80	pulsing every 1680 mS	'06
135,60	HGA22	EFR Telecontrol Lakihegy, HUN	1423	ASCII 200/500	Bursts every 9 seconds	'08
135,80	SXV	Greek Navy Marathon, GRC	1620	FLB		'06
136,00	---	unid Datatrak station	0826	FSK/PON/80	pulsing every 1680 mS	'06
139,00	DCF39	EFR Telecontrol Burg, DEU	1027	ASCII/200/350-8E1	Good signals	'06
139,00	TBA	Turkish Navy Ankara, TUR	1754	FLB 75/78	encrypted tfc	'06
141,40	---	unid Datatrak station	0827	FSK/PON/80	pulsing every 1680 mS	'06
144,60	---	Datatrak Slootdorp, NLD	0827	FSK/PON/80	pulsing every 1680 mS	'06
145,00	---	prob. French or Spanish naval	1600	FLB/FSK unid mode /85		'05
146,40	---	unid Datatrak station	0836	FSK/PON/80	pulsing every 1680 mS	'06
147,20	IDR3	Italian Navy Rome, ITA	1116	STANAG-4285/300L/5n1	IDR 2 X IGJ 42 X IGJ 43- D - QSL	'06

147,30	DDH47	DWD Pinneberg, DEU	1324	RTTY 50/65	clg and RYs	'06
150,30	---	unid Datatrak station	0829	FSK/PON/80	Pulsing every 1680 mS	'06
186,58	SMV	NDB Darwin Long's Beacon, Simi Valley, USA	2020	CW	ID followed by some odd polytones	'07
200,00	DAD	NDB Diadema, BRA	0157	CW	marker	'05
203,00	RED	NDB Red Lodge, Montana, USA	1037	CW	CW with station ID	'07
205,00	AAQ	NDB Araraquara, BRA	0446	CW	marker	'05
205,00	JPG	NDB Jacarepaguá, BRA	0002	CW	marker	'05
206,00	GLS	NDB Galveston, Texas, USA	1030	CW	marker	'06
209,00	AEC	NDB Tonopah Test Range AEC, Nevada, USA	1105	CW	with station ID	'07
210,00	ARX	NDB Araxá, BRA	0158	CW	marker	'05
211,00	HDG	NDB Steelhead, Idaho, USA	1107	CW	with station ID	'07
212,00	DBX	NDB Morrison, Kansas, USA	1001	CW	with station ID	'07
215,00	NOA	NDB Nova Iguaçu, BRA	0159	CW	marker	'05
216,00	CLB	NDB Carolina Beach, Wilmington NC, USA	0623	CW		'07
218,00	RL	NDB Red Lake, Ontario, CAN	1112	CW	with station ID	'07
225,50	AQE	unid NDB	0434	CW	Beacon RX S1	'06
227,00	CG	NDM Castlegar, British Columbia, CAN	1116	CW	with station ID	'07
230,00	BU	NDB Bolton OH, USA	2022	CW		'07
235,00	NVG	NDB Navegantes, BRA	0203	CW	marker	'05
236,00	FOR	NDB Forsyth, Montana, USA	1125	CW	with station ID	'07
237,00	MVC	NDB Merville/Calonne, FRA	1740	CW		'07
239,00	OJ	NDB Footner Lake, Alberta, CAN	1007	CW	with tone and station ID	'07
240,00	IB	NDB Guarulhos, BRA	0444	CW	marker	'05
242,00	XC	NDB Cranbrook, British Columbia, CAN	1128	CW	with station ID	'07
244,00	TH	NDB Thompson, Manitoba, CAN	1001	CW	with tone and station ID	'07
245,00	ANR	NDB Andrews, Texas, USA	1131	CW	with station ID	'07
245,00	FS	NDB Sioux Falls, South Dakota, USA	1129	CW	with station ID	'07
245,00	IC	NDB Belo Horizonte, BRA	0208	CW	marker	'05
248,00	WG	NDB Winnipeg, Manitoba, CAN	1133	CW	with station ID	'07
250,00	FO	NDB Flin Flan, Manitoba, CAN	0950	CW		'07
251,00	YCD	NDB Cassidy, British Columbia, CAN	1136	CW	with station ID	'07
253,00	DD	NDB Rickenbacker Intl., USA	1757	CW		'07
254,00	RA	NDB Rapid City, South Dakota, USA	1140	CW	with station ID	'07
257,50	---	continuous parallel trans	1421	unid mode		'05
258,00	N	NDB Ostrava/Mosnov/Nada, CZE	1104	CW		'07
258,00	ZSJ	NDB Sandy Lake, Ontario, CAN	1035	CW	with tone and station ID	'07
260,00	AP	NDB Arapahoe County, Colorado, USA	1142	CW	with station ID	'07
260,00	MAE	NDB São Paulo, BRA	0210	CW	marker	'05
263,00	UYF	NDB London OH, USA	1819	CW		'07
266,00	SAA	NDB Saratoga, Wyoming, USA	1144	CW	with station ID	'07
269,00	CII	NDB Choteau Belle, Montana, USA	1146	CW	with station ID	'07
272,00	CHC	NDB Columbus OH, USA	1826	CW		'07
272,00	MLK	NDB Malta, Montana, USA	1149	CW	with station ID	'07
275,00	BA	NDB Banak, NOR	2046	CW		'06
275,00	GEY	NDB Greybull, Wyoming, USA	1152	CW	with station ID	'07
275,00	GGT	NDB Guaratinguetá, BRA	0211	CW	marker	'05
275,00	HIN	NDB Whitney - Chadron, Nebraska, USA	1153	CW	with station ID	'07
283,50	#481/#741	Dziwnow, POL	0826	DGPS 100/170		'05
284,00	#430/#660	Mizen Head, IRL	0600	DGPS 100/170		'05
284,00	GRN	NDB Gorna, BUL	2100	CW		'07
284,50	DY	NDB Düsseldorf, DEU	2120	CW		'06
285,00	KTC	NDB Katowice/Pyrzowice, POL	1104	CW		'07
285,00	URB	NDB Urbe, ITA	0455	CW		'06
285,50	#443/#693	Stirling Earls Hill, Scotland	2221	DGPS 100/170		'07
286,00	#363/#526	Castellon, ESP	2151	DGPS 100/170 (22	GPS correction data	'08
286,50	#339/#469	Porquerolles, FRA	2317	DGPS 100/170		'08
286,50	#513/#793	Skomvaer, NOR	1910	DGPS 100/170		'05
287,00	#406/#606	Klamila, FIN	2224	DGPS 100/170		'07
287,50	#454/#715	Torshavn, FRO	0000	DGPS 100/170		'05
288,00	MNR	NDB Monor for Ferihegy, HNG	1104	CW		'07
288,50	#390	unid Russian ?	0000	DGPS 100/170		'05

288,50	#435/#670	Tory Island, IRL	0819	DGPS 100/170		'05
289,00	#462/#724	Jaernaes, SWE	1352	DGPS 100/170		'05
289,50	#451/#700	Hammerrodde Lt., DNK	0000	DGPS 100/170		'05
290,00	#452/#705	Blavands Huk, DNK	0817	DGPS 100/170		'05
290,00	GRZ	NDB Graz, AUT	1104	CW		'07
290,00	IT	NDB Rio de Janeiro, BRA	0213	CW	marker	'05
290,00	ONL	NDB Liège, BEL	0901	CW		'06
290,00	TP	NDB Oulo, FNL	1151	CW		'07
290,00	TR	NDB Tirana/Rinas, ALB	2100	CW		'07
290,50	#447/#687	Flamborough Head Lt, GBR	2343	DGPS 100/170		'07
291,00	#364/#528	Cabo Salou, ESP	2201	DGPS 100/170	GPS correction data	'08
291,00	#439/#691	Wormleighton, GBR	1809	DGPS 100/170		'07
291,50	#445/#685	Sumburgh Head, GBR	1345	DGPS 100/170		'05
292,00	#460/#720	Holmsjo, SWE	2157	DGPS 100/170		'06
292,00	NOV	NDB Novara, ITA	1530	CW		'07
292,50	BA	NDB Estaca de Bares, ESP	0038	CW		'07
293,00	#362/#524	Mahon, ESP	1833	DGPS 100/170	GPS correction data	'08
293,00	#466/#732	Kullen, SWE	0809	DGPS 100/170		'05
293,00	OB	NDB Brussels, BEL	0436	CW		'07
293,00	STE	NDB Wien-Steinhof, AUT	1104	CW		'07
293,50	#494/#764	Iffezheim, DEU	1803	DGPS 100/170		'07
294,00	#428/#655	Vlieland, NLD	0808	DGPS 200/170		'05
295,00	F	NDB Sliac/Hajniky, SVK	1104	CW		'07
295,00	FNP	NDB unid location	2322	CW	marker	'06
295,00	PT	NDB Skopje, MKD	2100	CW		'07
295,50	#531/#841	Narva, EST	1826	DGPS 100/170		'05
295,50	---	unid	0431	2.5kHz width data		'06
296,00	#453/#710	Skagen West Light, DNK	0000	DGPS 100/170		'07
296,00	MG	NDB Ljubljana, SVN	1900	CW		'07
296,50	#469/#736	Göteborg, SWE	1343	DGPS 100/170		'05
297,00	#446/#686	Girdle Ness Lt, Scotland, GBR	2359	DGPS 100/170		'07
297,00	PNY	NDB Piestany, SVK	1104	CW		'07
297,50	#360/#520	Cabo de la Nao, ESP	1850	DGPS 100/170	GPS correction data	'08
297,50	#442/#682	Point Lynas Wales, GBR	0615	DGPS 100/170	only heard	'05
297,50	#465/#730	Hoburg, SWE	1342	DGPS 100/170		'05
298,00	#468/#734	Nynashamn, SWE	2147	DGPS 100/170		'06
298,50	#492/#762	Helgoland, DEU	2159	DGPS 100/170		'05
299,00	#330/#460	Heuville, FRA	1756	DGPS 100/170		'07
299,50	#448/#688	North Foreland, GBR	1418	DGPS 100/170		'05
299,50	#463/#726	Skutskaer, SWE	1339	DGPS 100/170		'05
300,00	KD	NDB Kbely/Praha East, CZE	0605	CW		'07
300,00	PV	NDB Petrovaradin, SCG	0605	CW		'07
301,00	#373/#545	Turkeli Lt., TUR	2208	DGPS 200/170		'05
301,00	#426/#665	Ijmuiden, NLD	0805	DGPS 200/170	formerly used by Gilze Rijen for tests on 302 kHz	'05
301,00	#482/#743	Rozewie, POL	0002	DGPS 100/170		'07
301,50	#404/#604	Turku, FIN	1804	DGPS 100/170		'05
301,50	CMP	NDB Campagnano, ITA	2100	CW		'07
302,00	#467/#733	Hjortens Udde, SWE	2235	DGPS 100/170		'06
302,50	#490/#760	Koblenz, DEU	2236	DGPS 100/170		'07
303,00	WO	NDB Wien/Schwechat, AUT	0605	CW		'07
303,50	#493/#763	Zeven, DEU	2200	DGPS 100/170		'05
304,00	#503/#783	Lista Lt., NOR	2237	DGPS 100/170		'06
304,50	#338/#468	Cap Bear Lt., FRA	2243	DGPS 100/170		'08
304,50	#535	Klaipda Lt., LTU	2225	DGPS 200/170		'05
305,00	S	NDB Mariehamn, FIN	0015	CW	400Hz modulation	'05
305,50	#341/#482	Sagres, POR	0140	DGPS 200/170		'07
306,00	#441/#681	Lizard, GBR	1422	DGPS 100/170		'05
306,00	PAR	NDB Parma, ITA	2100	CW		'07
306,00	TPS	NDB Tapiosap, HNG	1104	CW		'07
306,50	---	Bad-Deutsch Altenburg, AUT	2245	DGPS 100/170	testing	'05
307,00	#530/#840	Ristna Lt, EST	2302	DGPS 100/170		'07

307,00	PG	NDB Praha/Ruzyne, CZE	1104	CW		'07
307,50	#374/#547	Kumkale, TUR	2213	DGPS 200/170		'08
307,50	#440/#680	St Catherine's Point, GBR	1754	DGPS 100/170		'07
307,50	#464/#728	Kapellskar Lt, SWE	2240	DGPS 100/170		'07
308,00	#491/#761	Groß Mohrdorf, DEU	2241	DGPS 100/170		'07
308,00	MOJ	Mojkovac, SCG	2100	CW		'07
308,50	#332/#462	Pont de Buis, FRA	1855	DGPS 100/170		'05
309,00	WW	NDB Antwerp, BEL	0947	CW		'06
309,50	#449/#689	Nash Point Lt., Wales, GBR	2304	DGPS 100/170		'07
309,50	EYA	NDB Mys Yevpatoriyskiy, UKR	2100	CW		'07
310,00	#336/#466	Cap Ferret, FRA	0632	DGPS 100/170	only heard	'05
310,00	DBV	NDB Dubove, SVK	0605	CW		'07
310,00	KUR	NDB Kuopio Kurki, FIN	0002	CW	400Hz modulation	'05
310,50	#500/#780	Faerder Lt., NOR	2231	DGPS 100/170		'06
311,00	#005//#002	Shepelevskiy 2, RUS	1815	DGPS 100/170		'05
311,00	LMA	NDB Lima, DEU	0630	CW		'07
311,50	#340/#480	Cabo Corveiro Lt, POR	0633	DGPS 100/170	only heard	'05
311,50	#461/#722	Bjuroklubb, SWE	2307	DGPS 100/170		'07
312,00	#420/#640	Oostende, BEL	0805	DGPS 200/170		'05
312,00	BOZ	NDB Bozhurishte, BUL	2100	CW		'07
312,00	DAN	NDB Danilovgrad for Podgorica, SCG	2100	CW		'07
312,00	KBG	NDB Karlsborg, SWE	0034	CW	400Hz modulation	'05
312,00	TAQ	NDB Tarquinia, ITA	2100	CW		'07
312,00	TEA	NDB Teano, ITA	0452	CW		'06
312,50	#425/#650	Hoek van Holland, NLD	2211	DGPS 200/170		'05
313,00	#505/#785	Utsira Lt, NOR	2316	DGPS 100/170		'07
313,00	AB	NDB Innsbruck/Absam, AUT	2100	CW		'07
313,50	#336/#532	Cabo san Sebastian, ESP	1746	DGPS 100/170	GPS correction data	'08
313,50	#496/#766	Mauken, DEU	2251	DGPS 100/170		'05
314,00	#507/#787	Utvaer Lt, NOR	2315	DGPS 100/170		'07
314,50	#495/#765	Bad Abach, DEU	2154	DGPS 100/170		'06
315,00	LV	NDB Lviv, UKR	0605	CW		'07
315,00	TF	NDB Wiener Neustadt East, AUT	0605	CW		'07
316,00	BGU	NDB Oslo Gardermoen Bergerud, NOR	1946	CW	400Hz modulation	'05
317,00	PPD	NDB Poprad/Tatry, SVK	2100	CW		'07
317,00	VS	NDB Valenciennes, FRA	0056	CW		'07
318,00	KLP	NDB Dubrovnik/Kolocep, HRV	2100	CW		'07
318,00	LP	NDB Ronneby Kalinge, SWE	2015	CW	400Hz modulation	'05
319,00	C	NDB Prerov, CZE	0605	CW		'07
319,00	VAR	NDB Varhaug/Stavanger, NOR	2307	CW		'07
320,00	PBCD	NDB F2A-Hanze Platform, F/2 Block, IW	1833	CW	Dutch Sector, North Sea	'07
321,00	ABY	NDB Albert/Bray, FRA	0734	CW		'07
321,00	BU	NDB Burgas, BUL	2100	CW		'07
322,00	GDA	NDB Gdansk Rebiechowo, POL	0110	CW	1020Hz modulation	'05
322,00	KOR	NDB Helsinki Malmi Korso, FIN	2030	CW	400Hz modulation	'05
322,00	OD	NDB Örnsköldsvik, SWE	2152	CW	400Hz modulation	'05
322,00	OV	NDB Syockholm Bromma, SWE	2310	CW	400Hz modulation	'05
322,00	VH	NDB Dashoguz, TKM	2100	CW		'07
323,00	CAM	NDB Cameri, ITA	1520	CW		'07
323,00	ONC	NDB Charleroi, BEL	0449	CW		'07
323,00	SMA	NDB Santa Maria, AZR	0119	CW	1020Hz modulation	'05
324,00	HE	NDB Notodden Heddal, NOR	0138	CW	400Hz modulation	'05
324,00	ON	NDB Norrköping Kungsängen, SWE	0138	CW	400Hz modulation	'05
325,00	PG	NDB Trollhättan Vänersborg, SWE	0138	CW	400Hz modulation	'05
325,00	RCA	NDB Reggio di Calabria, ITA	2100	CW		'07
325,00	VGH	NDB Varginha, BRA	0224	CW	marker	'05
326,00	KTW	NDB Katowice/Pyrzowice, POL	1104	CW		'07
326,00	LLS	NDB Leylstad, NLD	0945	CW		'06
327,00	LNZ	NDB Linz/Horsching, AUT	0605	CW		'07
327,00	LV	NDB Köln, DEU	0945	CW		'06
327,00	MVC	NDB Merville, FRA	2333	CW		'07

328,00	KAM	NDB Ljubljana/Brnik/Dolsko, SVN	2100	CW		'07
329,00	HA	NDB Budapest/Ferihegy, HNG	0605	CW		'07
330,00	HR	NDB Kharkov/Osnova, UKR	2100	CW		'07
330,00	OB	NDB Bratislava/M.R Stefanik/South, SVK	0605	CW		'07
330,00	PAG	NDB Porto Alegre, BRA	0439	CW	marker	'05
330,00	SRN	NDB Saronno, ITA	1630	CW		'07
330,00	ZRA	NDB Zadar/Kakman, HRV	0605	CW		'07
331,00	DEC	NDB Decimomannu, ITA	2100	CW		'07
331,00	TE	NDB Thisted, DNK	1718	CW	400Hz modulation USB only	'05
332,00	LL	NDB Lille, FRA	0915	CW		'06
332,00	NV	NDB Niewkoop, NLD	1002	CW		'06
333,50	VOG	NDB Voghera, ITA	2100	CW		'07
334,00	BGW	NDB Paris/Le Bourget, FRA	1552	CW		'06
334,00	BKU	NDB Baker Montana, ITA	1102	CW		'06
334,00	MR	NDB Maribor, SVN	0605	CW		'07
334,00	OPA	NDB Oslo Gardermoen Oppaker, NOR	1722	CW	400Hz modulation	'05
335,00	BER	NDB Bern/Belp, SUI	2100	CW		'07
335,00	BL	NDB Budapest/Ferihegy, HNG	0605	CW		'07
335,00	CVP	NDB Helena Montana, USA	1055	CW		'06
335,00	PAN	unid NDB 'scy'	0506	CW		'05
335,00	RIM	NDB Rimini Miramare, ITA	2336	CW	1020Hz modulation	'05
336,00	---	NDB Bergen Flesland Bratta, NOR	2330	CW	400Hz modulation	'05
336,00	RS	NDB Røros, NOR	2326	CW	400Hz modulation	'05
337,00	KAJ	NDB Kajaani, FIN	2208	CW	400Hz modulation	'05
337,00	MCZ	unid NDB	0429	CW		'06
337,00	MY	NDB Mygganaes, FRO	2128	CW		'06
337,00	OZ	NDB Söderhamn Skallen, SWE	2318	CW	400Hz modulation	'05
337,00	RMG	NDB Romagnano Sesia, ITA	2100	CW		'07
337,00	VRN	NDB Vranje, SCG	2100	CW		'07
338,00	MNW	NDB München, DEU	1104	CW		'07
338,00	OA	NDB Jönköping, SWE	0948	CW	400Hz modulation	'05
338,00	RYN	NDB Tucson Arizona, USA	1058	CW		'06
339,00	GI	NDB Glisy, FRA	0944	CW		'06
339,00	SD	NDB Sindal, DNK	1726	CW	400Hz modulation USB only	'05
339,00	SP	NDB Sindal, DNK	0945	CW	400Hz modulation	'05
340,00	FOG	NDB Foggia, ITA	2100	CW		'07
340,00	YY	NDB Mont Joli, Quebec, CAN	0553	CW		'07
341,00	CCJ	NDB Clark County-Springfield OH, USA	0058	CW		'07
341,00	POR	NDB Pori, FIN	1730	CW	400Hz modulation	'05
341,50	R	NDB Rzeszow/Jasionka, POL	2100	CW		'07
342,00	LL	NDB Fagernes/Leirin, NOR	1006	CW	400Hz modulation	'05
342,00	PES	NDB Pescara, ITA	2100	CW		'07
343,00	A	NDB Budapest/Ferihegy, HNG	1104	CW		'07
344,00	BKU	NDB Baker Montana, USA	1207	CW	with station ID	'07
344,00	HEK	NDB Heka for Helsinki/Vantaa, FIN	2100	CW		'07
344,00	MN	NDB Minorca, BAL	2100	CW		'07
344,00	VAR	NDB Varazdin, HRV	2100	CW		'07
345,00	ADA	NDB São Pedro da Aldeia, BRA	0230	CW		'05
345,00	BN	NDB Kristiansand/Kjevik/Birkeland, NOR	1009	CW	400Hz modulation	'05
345,00	G	NDB Szeged, HNG	1104	CW		'07
345,00	SUS	NDB Kauhava/Susi, FIN	2100	CW		'07
345,00	TAZ	NDB Tivat, SCG	2100	CW		'07
345,00	THS	NDB Thessaloniki, GRC	2100	CW		'07
345,00	TZO	NDB Trezzo, ITA	1530	CW		'07
345,50	CF	NDB Caslav/Chotusice/Centograf, CZE	0605	CW		'07
346,00	GS	NDB Gävle Sandviken, SWE	1748	CW	400Hz modulation	'05
346,00	LG	NDB Liège, BEL	0920	CW		'06
346,00	LHO	NDB Le Havre-Octeville, FRA	2202	CW		'05
346,00	WLU	NDB Luxembourg, LUX	2100	CW		'07
346,00	YXL	NDB Sioux Lookout, Ontario, CAN	1209	CW	with station ID	'07
347,00	MSK	NDB Oslo Gardermoen Morskogen, NOR	2346	CW	400Hz modulation	'05

347,50	TD	NDB Teesside, GBR	2346	CW	400Hz modulation	'05
348,00	LG	NDB Liège, BEL	0709	CW		'06
348,00	SAD	NDB Leknes Sandsund, NOR	2356	CW	400Hz modulation	'05
348,00	SVR	NDB Sagvar, HNG	0605	CW		'07
348,00	TPL	NDB Topola, SCG	0605	CW		'07
348,00	WA	NDB Stockholm Arlanda, SWE	2354	CW	400Hz modulation	'05
348,00	ZK	NDB Zadar, HRV	2100	CW		'07
348,50	LG	NDB Liege Bierset, BEL	2359	CW	1020Hz modulation	'05
349,00	JX	NDB Vaxjo/Kronoberg, SWE	2100	CW		'07
349,00	RG	unid NDB 'QTH ?'	1107	CW		'06
349,00	TAR	NDB Ørlandet Tarva, NOR	2350	CW	400Hz modulation	'05
349,50	SZA	NDB Solenzara, ITA	2100	CW		'07
350,00	LAA	NDB Laanila, FIN	0920	CW		'06
350,00	ROT	NDB Rotterdam, NLD	0920	CW		'06
350,00	SK	NDB Zagreb/Pleso/S Kraljevec, HRV	0605	CW		'07
351,00	KP	NDB Karup, DNK	1023	CW	400Hz modulation	'05
351,00	OV	NDB Visby, SWE	1831	CW	400Hz modulation	'05
351,00	POM	NDB Pomigliano-Napoli, ITA	0900	CW		'07
351,00	SAV	NDB Savolinna, FIN	1826	CW	400Hz modulation	'05
351,50	PLA	NDB Pula, HRV	0605	CW		'07
352,00	TRF	NDB Tyrifjord, NOR	1012	CW	400Hz modulation	'05
352,50	DD	NDB Oostend, BEL	1023	CW		'06
353,00	KIL	NDB Kiel/Holtenu, DEU	2100	CW		'07
353,00	KRW	NDB Krakow/Balice, POL	2100	CW		'07
353,00	LWT	NDB Lewiston, Montana, USA	1109	CW		'06
354,00	FE	NDB Fiumicino, ITA	0510	CW		'06
354,00	GYR	NDB Gyor, HNG	0605	CW		'07
355,00	ARB	NDB Ardabil, IRN	2100	CW		'07
355,00	KNG	NDB Bad König, DEU	0605	CW		'07
355,00	MI	NDB Maribor, SVN	0605	CW		'07
355,00	ONW	NDB Antwerp, BEL	1023	CW		'06
356,00	BGS	NDB Burgas, BUL	2100	CW		'07
356,00	PR	NDB Praha/North/Suchdol, CZE	0605	CW		'07
356,00	PTT	NDB Pratt, Kansas, USA	1216	CW	with station ID	'07
356,00	SGO	NDB Sagunto, ESP	2025	CW		'07
356,00	SHU	NDB Schupberg, SUI	2021	CW		'07
356,00	SU	NDB Salzburg-Surheim, AUT	2100	CW		'07
356,50	OU	NDB Ouargla, DZA	2100	CW		'07
356,50	SHU	NDB Schupberg for Bern/Belp, SUI	2100	CW		'07
357,00	CAS	NDB Torino Caselle, ITA	1515	CW		'07
357,00	NRG	NDB Neubrandenburg, DEU	2100	CW		'07
357,00	SEP	unid Finish NDB	0635	CW		'05
357,50	FAL	NDB Falconara Marittima, AUT	0605	CW		'07
358,00	GRK	NDB Grakallen, NOR	2026	CW		'07
358,00	HW	NDB Hannover West, DEU	0605	CW		'07
358,00	LT	NDB Le Touquet/Paris Plage, FRA	1225	CW		'07
358,00	TUN	NDB Tulln, AUT	0605	CW		'07
359,00	---	NDB Lidköping, SWE	1030	CW	400Hz modulation	'05
359,50	CDN	NDB Chateaudun, FRA	2100	CW		'07
360,00	KI	NDB Kiev/Zhulyany, UKR	2100	CW		'07
360,00	LA	unid NDB	2100	CW		'07
360,00	OS	NDB Göteborg/Säve, SWE	1030	CW	400Hz modulation	'05
360,00	SL	NDB Svinafell for Hornafjörður, ISL	0250	CW	1020 hz modulation	'07
360,00	TS	NDB Zadonsk, RUS	2100	CW		'07
360,50	MAK	NDB Mackel, BEL	0924	CW		'06
360,50	OS	NDB Göteborg, SWE	1947	CW	Published frequency is 360 kHz	'05
360,60	LIE	NDB Turku/Lieto, FIN	1919	CW	Published frequency is 361 kHz	'05
361,00	MAK	NDB Mackel, BEL	2210	CW	said to be near Deinze	'05
362,00	BZO	NDB Bolzano, ITA	2100	CW		'07
362,00	L	NDB Namest nad Oslavou, CZE	0605	CW		'07
362,00	RFX	NDB Roundtop, Montana, USA	1125	CW		'06

363,00	CIG	NDB Izmir/Cigli/Kaklic, TUR	2100	CW		'07
363,00	RNB	NDB Millville New Jersey, USA	0548	CW		'07
363,50	BRD	NDB Brindisi, ITA	0605	CW		'07
364,00	AA	NDB Fargo, North Dakota, USA	1142	CW		'06
364,00	MAL	NDB Milano Malpensa, ITA	1555	CW		'07
365,00	HQG	NDB Hugoton, Kansas, USA	1137	CW		'06
365,00	LJ	NDB Koln, DEU	2318	CW		'07
365,00	VS	NDB Tampere/Pirkkala/Vesilahti, FIN	2100	CW		'07
365,50	BC	NDB Braschaat, BEL	0925	CW		'06
366,00	KM	NDB Kalmar, SWE	2100	CW		'07
366,00	MB	NDB Lolland/Falster/Maribo, DNK	1039	CW	morse 400Hz modulation	'05
366,00	YMW	NDB Maniwaiki, Quebec, CAN	0612	CW		'07
366,10	SFX	NDB Seafox 2 Platform, IW	0633	CW		'07
367,00	ZAG	NDB Zagreb, HRV	0605	CW		'07
367,50	PNZ	NDB Ponza Island, ITA	1400	CW		'07
368,00	BNO	NDB Brno/Turany, CZE	0605	CW		'07
368,00	FN	NDB Skien/Geiteryggen, NOR	1042	CW	400Hz modulation	'05
368,00	RK	NDB Copenhagen/Roskilde, DNK	1042	CW	400Hz modulation	'05
368,50	ELU	NDB Luxemburg, LUX	2027	CW		'06
369,00	PS	NDB Henvliet, NLD	1020	CW		'06
369,00	VRS	NDB Vrsar, HRV	2100	CW		'07
370,00	GAC	NDB Gacko, BIH	2100	CW		'07
370,00	JR	NDB Varkaus/Joroinen, FIN	2100	CW		'07
370,00	OHT	NDB Stockholm/Arlanda, SWE	2017	CW		'06
370,50	LB	NDB Angelholm, SWE	2017	CW		'06
371,00	FND	NDB Ellicott City, Maryland, USA	0608	CW		'07
371,00	FRS	NDB Frosinone, ITA	2100	CW		'07
371,00	HAA	NDB Hamar/Stavsberg, NOR	1049	CW	400Hz modulation	'05
371,00	ITU	NDB Great Falls, Montana, USA	1148	CW		'06
371,00	LEV	NDB Levaldigi, ITA	1550	CW		'07
372,00	CE	NDB Osijek/Cepin, HRV	0605	CW		'07
372,00	L	NDB Praha/Ruzyne/Liboc, CZE	0605	CW		'07
372,00	ODR	NDB Kristiansand/Kjevik/Oderrøy, NOR	1048	CW	400Hz modulation	'05
372,00	OZN	NDB Prins Christian Sund/Kitaa, GRL	0330	CW	400 hz ID every 35 seconds	'06
373,00	KEM	NDB Kemi-Tornio/Hirmula, FIN	0605	CW		'07
373,00	LPD	unid NDB 'scy'	2039	CW		'05
373,00	NW	NDB Beek, NLD	0925	CW		'06
374,00	FLV	NDB Bodø Fleinvær, NOR	2230	CW	400Hz modulation	'05
374,00	KFT	NDB Klagenfurt, AUT	0605	CW		'07
374,00	TU	NDB Tirstrup, DNK	1053	CW	400Hz modulation	'05
374,50	ANC	NDB Ancona Falconara, ITA	2213	CW	1020Hz modulation	'05
374,50	TST	NDB Ancona testing, ITA	2100	CW		'07
375,00	CHO	NDB Chociwel, POL	0605	CW		'07
375,00	FR	NDB Pori/Vanhakylä, FIN	2100	CW		'07
375,00	NDG	NDB Nordlingen, DEU	1104	CW		'07
375,00	OO	NDB Oostende, BEL	0038	CW		'07
375,00	RB	NDB Örebro, SWE	1549	CW	400Hz modulation	'05
375,00	TR	NDB Philips Tor-E platform helideck, IW	2206	CW	400Hz modulation ID repeated twice	'05
375,00	VM	NDB Vestmannaeyar, ISL	0338	CW	1020 hz modulation ID + long dash	'06
376,00	LC	NDB Lockbourne OH, USA	0107	CW		'07
376,00	LN	NDB Hultsfred, SWE	1554	CW	400Hz modulation	'05
376,00	WP	NDB Weesp, NLD	0925	CW		'06
376,50	ORI	NDB Orio al Serio, ITA	2100	CW		'07
377,00	KN	NDB Norrköping Kungsängen, SWE	1600	CW	400Hz modulation	'05
377,00	SM	NDB Mora Siljan, SWE	1558	CW	400Hz modulation	'05
378,00	OS	NDB Sundsvall Härnösand, SWE	1615	CW	400Hz modulation	'05
378,00	RSY	NDB Stavanger Sola Rennesøy, NOR	1617	CW	400Hz modulation	'05
379,00	KRA	NDB Krakow/Balice, POL	1104	CW		'07
379,00	LAT	NDB Latina, ITA	2100	CW		'07
379,00	PIS	NDB Pisa, ITA	2100	CW		'07
379,00	REK	NDB Reksten, NOR	2214	CW		'06

380,00	FLR	NDB Trondheim Værnes Flornes, NOR	1623	CW	400Hz modulation	'05
381,00	AB	NDB Akraberg, FRO	2012	CW		'07
381,00	ESP	NDB Helsinki Vantaa Espoo, FIN	1623	CW	400Hz modulation	'05
381,00	RG	NDB Rygge/Tune, NOR	0605	CW		'07
381,00	SIB	NDB Sibiu/Turnisor, ROU	0605	CW		'07
382,00	EGN	NDB Athens Central/Aegina Island, GRC	2100	CW		'07
382,00	FW	NDB Frankfurt/mayn, DEU	2013	CW		'07
382,00	GAZ	NDB Gazoldo degli Ippoliti, ITA	0605	CW		'07
382,00	SBG	NDB Salzburg/Oberndorf, AUT	0605	CW		'07
383,00	ERK	NDB Erken, SWE	2210	CW		'06
383,00	LST	NDB Lista, NOR	2207	CW		'06
383,00	SHD	NDB Scotstownhead, GBR	2015	CW		'07
383,50	ARF	NDB Arifiye/Topel, TUR	2100	CW		'07
383,50	GUL	NDB Gulpen, NLD	0925	CW		'06
384,00	F	NDB Iasi, ROU	2100	CW		'07
384,00	HNS	NDB Sandane Anda Høyenes, NOR	1635	CW	400Hz modulation	'05
385,00	BO	NDB Zadar/Bokanjac, HRV	0605	CW		'07
385,00	KV	NDB Halli/Talasniemi, FIN	2100	CW		'07
385,00	NJ	unid NDB	0605	CW		'07
386,00	BDL	NDB Brent Delta Platform, North Sea, IW	1830	CW		'07
386,00	LIN	NDB Milano Linate, ITA	1550	CW		'07
386,00	LK	NDB Tallin Ülemiste, EST	1800	CW	400Hz modulation	'05
386,00	PTB	NDB Puztaszabolcs, HNG	0605	CW		'07
386,00	RAK	NDB Rakovnik, CZE	1104	CW		'07
386,00	STD	NDB Stad aan het Haringvliet, NLD	1010	CW		'06
387,00	CEV	NDB Cervia, ITA	0605	CW		'07
387,00	ING	NDB St Inglevert, FRA	1511	CW		'06
387,00	JL	NDB Kuopio, FIN	2100	CW		'07
388,00	COR	NDB Corner for Bromma, SWE	0605	CW		'07
388,00	GUI	NDB Guidonia, ITA	0605	CW		'07
388,50	CH	NDB Buiten Kaag, NLD	1010	CW		'06
389,00	CP	NDB Caparica, POR	2022	CW		'07
389,00	MR	NDB Myra, NOR	2002	CW		'06
389,00	MR	NDB Skien/Geiteryggen/Myra, NOR	0605	CW		'07
390,00	VAL	NDB Valjevo, SCG	1104	CW		'07
390,50	ITR	NDB Istres/Le Tubé, FRA	2100	CW		'07
391,00	DDP	NDB Dorado, San Juan, PRI	0543	CW		'07
391,00	IAS	NDB Iasi, ROU	2100	CW		'07
391,00	OKR	NDB Bratislava/M.R Stefanik/North, SVK	0605	CW		'07
392,00	GDY	NDB Mariehamn/Godby, FIN	2029	CW		'07
392,00	GDY	NDB Mariehamn/Godby, FIN	2100	CW		'07
392,00	GDY	NDB Godby/Marieham, FNL	1939	CW		'06
392,00	ML	NDB Charlevoix, Quebec, CAN	0635	CW		'07
392,00	RW	NDB Berlin/Tegel West, DEU	0605	CW		'07
392,50	TOP	NDB Pinerolo, ITA	2100	CW		'07
392,50	TOP	NDB Torino, ITA	1510	CW		'07
393,00	ITA	NDB Latina, ITA	1735	CW		'06
393,00	TAT	NDB Tautra, NOR	2202	CW		'06
394,00	MEL	NDB Metlika, SVN	0605	CW		'07
394,00	TW	NDB Thisted, DNK	1058	CW	400Hz modulation	'05
395,00	BR	NDB Budapest/Ferihegy, HNG	1104	CW		'07
395,00	MLT	NDB Malta, MLT	2100	CW		'07
395,00	OA	NDB Assendelft, NLD	2038	CW		'07
395,00	XEN	NDB Xenia OH, USA	1829	CW		'07
396,00	YG	NDB Rygge/Enge, NOR	0605	CW		'07
397,00	CV	NDB Dubrovnik/Cavtat, HRV	2100	CW		'07
397,00	EHN	NDB Eindhoven, NLD	0927	CW		'06
397,00	NF	NDB Falköping, SWE	2100	CW		'07
398,00	NIT	NDB Nitra, SVK	0605	CW		'07
398,00	PEO	NDB Stockholm/Skavsta/Peola, SWE	2100	CW		'07
399,00	GI	NDB Amiens/Glisy, FRA	1220	CW		'07

399,00	WBD	NDB Wiesbaden, DEU	2100	CW		'07
399,50	ONO	NDB Oostend, BEL	0927	CW		'06
400,00	BRZ	NDB Rijeka/Krk/Breza, HRV	0605	CW		'07
400,00	EN	NDB Örebro, SWE	2100	CW		'07
400,50	COD	NDB Codogno, ITA	0605	CW		'07
401,50	BET	NDB Rheine/Bentlage, DEU	2100	CW		'07
402,00	CAR	NDB Villasimius/Capo Carbonara, ITA	0605	CW		'07
402,00	DA	NDB Ales/Deaux, FRA	2200	CW		'06
402,00	KB	NDB Placid B Platform, IW	1724	CW		'07
402,00	ORW	NDB Paris/Orly, FRA	2100	CW		'07
403,00	LPS	NDB Les Eplatures, SUI	2100	CW		'07
404,00	DA	NDB Torp/Dalen/Sandefjord, NOR	0605	CW		'07
404,00	LW	NDB Luxembourg, LUX	2100	CW		'07
404,00	MRV	NDB Merveille, FRA	1007	CW		'06
404,00	VNG	NDB Vangsnes, NOR	2240	CW	400Hz modulation	'05
404,00	ZLA	NDB Zilina, SVK	0605	CW		'07
404,50	RR	NDB Rotterdam, NLD	0928	CW		'06
405,00	AV	NDB Göteborg/Säve, SWE	1102	CW	400Hz modulation	'05
405,00	KW	NDB Klagenfurt, AUT	0605	CW		'07
405,00	MOG	NDB Montague, California, USA	1155	CW		'06
406,00	GRO	NDB Grosseto, ITA	0605	CW		'07
406,50	BOT	NDB Bottrop, DEU	0928	CW		'06
407,00	CO	NDB Colorado Springs Colorado, USA	1156	CW		'06
407,00	LUP	NDB Laupheim, DEU	2100	CW		'07
408,00	BRK	NDB Bruck, AUT	0605	CW		'07
408,00	CHI	NDB Chioggia, ITA	0605	CW		'07
409,00	GDV	NDB Glendive, Montana, USA	1158	CW		'06
409,00	SG	NDB Sätenäs/Tune, SWE	0605	CW		'07
410,00	ETN	NDB Etain, FRA	1939	CW		'06
410,00	SI	NDB Salzburg-Siezenheim, AUT	0605	CW		'07
412,00	CIA	NDB Ciampino, ITA	1748	CW		'06
412,00	DAK	NDB Dakovica-Amiko KFOR Mil. Airport, SCG	1905	CW	operated by Italian Air Force, Kosova	'08
412,00	PP	NDB Pecs, HNG	0605	CW		'07
413,00	BOA	NDB Bologna, ITA	0605	CW		'07
413,00	KTI	NDB Innsbruck/Kühtai, AUT	0605	CW		'07
413,50	DLS	NDB Berlin/Tempelhof/Lübars, DEU	0605	CW		'07
414,00	CSS	NDB Washington Court House OH, USA	1832	CW		'07
414,00	GR	NDB Dubrovnik/Gruda, HRV	2100	CW		'07
414,00	SLB	NDB Oslo/Gardermoen/Solberg, NOR	0605	CW		'07
415,00	OL	NDB Linköping/Saab, SWE	0605	CW		'07
415,00	RUS	NDB Russe, BUL	2100	CW		'07
416,00	BCS	NDB Bacchus, SWE	2150	CW		'06
416,00	KUN	NDB Kunovice, CZE	0605	CW		'07
416,00	POZ	NDB Beograd/Pozarevac, SCG	0605	CW		'07
416,00	R	NDB Arvika, SWE	1105	CW	400Hz modulation	'05
417,00	AH	NDB Angelholm/Barkakra, SWE	0605	CW		'07
417,00	LI	NDB Dusseldorf, DEU	0755	CW		'07
417,00	VIC	NDB Vicenza, ITA	2100	CW		'07
418,00	DVN	NDB Split/Drvenik, HRV	2100	CW		'07
418,00	ORA	NDB Oradea, ROU	0605	CW		'07
419,00	HY	NDB Vaasa/Langskog, FIN	2100	CW		'07
419,00	RA	NDB Tyra East A helideck, IW	1122	CW	400Hz modulation, Danish sector	'05
419,00	RD	NDB Västerås/Hasslo, SWE	1216	CW	400Hz modulation	'05
420,00	BAZ	NDB Bayreuth/Bindlacherberg, DEU	0605	CW		'07
420,00	GS	NDB Pula, HRV	0605	CW		'07
420,00	INN	NDB Innsbruck, AUT	0605	CW		'07
420,00	JRP	NDB São José do Rio Preto, BRA	0426	CW	marker	'05
420,00	RMP	NDB ? Russ. Navy Kaliningrad, RUS	2242	FSK-CW	200Hz modulation	'08
420,00	SS	NDB Malmö/Sturup, SWE	0605	CW		'07
421,00	BL	NDB Borlänge/Rommehed/Falun, SWE	0605	CW		'07
421,00	FN	NDB Fiumicino, ITA	1321	CW		'06

421,00	MF	NDB Halmstad, SWE	2100	CW		'07
422,00	OSJ	NDB Osijek, HRV	1104	CW		'07
422,00	UR	NDB Hradec Kralove/Upir, CZE	0605	CW		'07
423,00	FE	NDB Odense/Beldringe, DNK	2100	CW		'07
423,00	FOR	NDB Forli, ITA	2100	CW		'07
423,00	ZO	NDB Nis/Zitorada, SCG	0605	CW		'07
424,00	PIS	NDB Zagreb/Pleso/Pisarovina, HRV	0605	CW		'07
425,00	DNC	NDB Mostar, BIH	0605	CW		'07
426,00	GBG	NDB Gleichenberg, AUT	1734	CW		'06
426,00	MIQ	NDB Mike for Ingolstadt, DEU	2100	CW		'07
428,00	BS	NDB Camp Bondsteel Army Heliport, SCG	2100	CW		'07
429,00	B	NDB Brno/Turany/Borek, CZE	0605	CW		'07
429,00	D	NDB Praha/Ruzyne/Dejvice, CZE	0605	CW		'07
429,00	D	NDB Bratislava/MR Stefanik, SVK	0605	CW		'07
429,00	LOS	NDB Losinj, HRV	0605	CW		'07
430,00	BUG	NDB Bugac, HNG	0605	CW		'07
430,00	LI	NDB Lykhacheve, UKR	2100	CW		'07
431,00	ONT	NDB Kleine Brogel, BEL	0930	CW		'06
432,00	BB	NDB Bibrka, UKR	2100	CW		'07
432,00	IZD	NDB Ohrid/Izdeglavlje, MKD	2100	CW		'07
432,00	PK	NDB Pardubice/Prvek, CZE	0605	CW		'07
433,00	CRE	NDB Cres, HRV	0605	CW		'07
434,00	KNE	NDB Kunovice, CZE	0605	CW		'07
434,00	THN	NDB Thorn, NLD	0931	CW		'06
435,00	BR	unid NDB	2100	CW		'07
435,00	GHT	NDB Ghat, LBY	2100	CW		'07
436,00	SME	NDB Sarmellek/Balaton, HNG	0605	CW		'07
437,50	---	unid carrier	1226	NON	last observed 01may2005, once in a month phenomenon	'05
438,00	B	NDB Bratislava/MR Stefanik/Barka, SVK	0605	CW		'07
438,00	KO	NDB Rijeka/Krk/Kozala, HRV	0605	CW		'07
438,00	PE	NDB Poprad/Tatry East, SVK	0605	CW		'07
440,00	DI2AG	Research station Dormitz, DEU	2308	CW/QRSS3	very good signal strenght	'06
440,00	DI2BO	Research station Peine, DEU	2330	CW	experimental beacon	'06
440,00	PIA	NDB Piacenza, ITA	1605	CW		'07
441,00	CK	NDB for Prerov airfield LKPO, CZE	2340	CW	1020Hz modulation	'05
444,00	NRD	NDB Nova Ruda, POL	0605	CW		'07
445,00	KM	NDB Kem, RUS	2218	FSK-CW	1020Hz modulation	'06
445,00	TU	NDB, Tuzla, BIH	2233	CW	1020Hz modulation	'06
445,00	WS	unid Ukrainian NDB	2018	CW		'05
448,00	HLV	NDB Holesov, CZE	0006	NON	negative keyed carrier	'05
448,00	LQ	NDB Landsberg, DEU	0605	CW		'07
450,00	PDV	NDB Plovdiv, BUL	2100	CW		'07
452,00	ANS	NDB Ansbach, DEU	2100	CW		'07
460,00	ABD	unid NDB	0045	FSK-CW	1020Hz offset ID & 4.5" gap.	'08
468,00	VTN	NDB Kraljevo/Vitanovac, SCG	0605	CW		'07
470,00	BRI	NDB Balikesir, TUR	2100	CW		'07
470,00	UZ	NDB Uzice/Ponikve, SCG	2100	CW		'07
470,00	VI	unid NDB	2100	CW		'07
470,00	WF	unid NDB	2100	CW		'07
472,00	---	unid	0000	ALE ?		'06
473,00	FHA	NDB Friedrichshafen/Löwental, DEU	0605	CW		'07
474,00	P	NDB Kaliningrad, RUS	2331	CW	Weak	'08
474,00	RZ	NDB Rzeszów Jasionka, POL	0055	CW	1020Hz modulation	'05
477,00	RP	NDB Malacky-Kuchyna, SVK	0605	CW		'07
480,00	VIB	NDB Viterbo, ITA	0605	CW		'07
484,00	HOF	NDB Hof, DEU	2100	CW		'07
485,00	IA	NDB Indija, SCG	2100	CW		'07
486,00	KL	NDB Krasnyy Sulin, RUS	2100	CW		'07
488,00	ILM	NDB Illesheim, DEU	2100	CW		'07
490,00	"L"	Hamburg Meteo, DEU	2150	FEC 100/170		'07
490,00	---	Cullercoats Radio, GBR	0735	FEC 100/170	ZCZC UB54 ISSUED BY MET OFFICE ABERDEEN	'06

490,00	---	Porto Santo Radio, POR	2209	FEC 100/170	ZCZC MA85 16 FEB 06 AVISO COSTERO NR0357/2006	'06
490,00	7TA/'V'	Alger Radio, DZA	1930	FEC 100/170	ZCZC VA13 06 NOVEMBRE 2006 AVURNAV NR163/2006	'06
490,00	7TF/'A'	Alger Radio, DZA	2015	FEC 100/170	New one? ZCZC AD46 TEST ALGER Radio TEST NNNN	'06
490,00	7XA/'V'	Alger Radio, DZA	0330	FEC 100/170	WX FRA WEATHER FOREC. FOR SHIPPING ISSUED BY Meteo	'08
490,00	CTV/'G'	Monsanto Radio, POR	0501	FEC 100/170	portuguese naws & wx	'07
490,00	EAV	Valencia Radio, ESP	0200	FEC 100/170	zczc ma23 01 1638 utc	'07
490,00	EAV/'M'	Cabo de la Nao Radio, ESP	2200	FEC 100/170	MIB Unmarked shipwreck	'06
490,00	FRC/'E'	Cross Corsen, FRA	2046	FEC 100/170	Wx and MIBs in FF	'05
490,00	FRL/'S'	Cross La Garde, FRA	1900	FEC 100/170	Submarine operations - Provence/Cap Cepet	'06
490,00	GNI/'I'	Niton Radio, GBR	0120	FEC 100/170	AV/WX	'08
490,00	GNI/'T'	Niton Radio, GBR	0520	FEC 100/170	Wx	'06
490,00	GPK/'C'	Portpatrick Radio, GBR	0020	FEC 100/170	AV/WX	'07
490,00	LA19	Constanta Radio, ROU	0621	FEC 100/170	zczc le84 sep 07	'07
490,00	TA?/'A'	Ankara/Kibris Radio, TUR	2245	FEC 100/170	AV/WX 'NR01 KIBRIS TURK Radio	'08
490,00	TAF	Samsun Turk Radio, TUR	0514	FEC 100/170	zczc aa49	'07
490,00	TAH/'B'	Istambul Radio, TUR	0010	FEC 100/170	AV/WX	'08
490,00	TAL/'D'	Antalya Radio, TUR	0030	FEC 100/170	AV/WX	'08
490,00	TAN/'C'	Izmir Radio, TUR	0020	FEC 100/170	AV/WX	'08
490,00	TAN/'C'	Istambul Radio, TUR	0020	FEC 100/170	WX/AV 0420 WX/AV	'07
492,00	TEV	NDB Moravska Rebova, CZE	0028	CW	1020Hz modulation	'05
493,00	KR	NDB Krasnodar, RUS	2100	CW		'07
493,00	LD	NDB Krasnodar, RUS	2310	CW		'08
495,00	DI2AT	600m Experimental Beacon Neunkirchen, DEU	2225	HELL	id into MSK31 & MSK08	'08
495,00	PA	NDB Pancevo, SCG	0605	CW		'07
499,00	RWM	NDB Moscow, RUS	1609	CW	time signals	'04
499,26	PAT	St Patrick's Day Beacon, IRL	2216	CW	Special Event Pirate beacon	'08
500,00	BPM	NDB SAO Lintong, CHN	2029	FSK-CW /100	identification	'05
501,00	GI4DPE	Experimental Station N. Ireland, GBR	0330	CW	slow beacon, callsign only	'07
502,00	G3KEV	Experimental Station Scarborough, G	1838	CW	wkg G3YXM	'07
503,70	GI4DPE	Experimental Station Derry, GBR	0240	CW	Co Londonderry, Northern Ireland	'07
505,00	DI2AG	Experimental Station Dormitz, DEU	0145	CW/QRSS3	DI2AG JN59NO, slow CW	'07
505,00	SM6BHZ	Experimental Station Göteborg, SWE	1735	CW/QRSS10	BHZ, CW ID 'Beacon DE SM6BHZ'	'07
505,02	DI2BO	Experimental Station Peine-Schwicheldt, DEU	2312	CW/QRSS3	mkr & id; Stn OPed by DK8KW	'08
505,06	OK0EMW	Experimental Station Breclav, CZE	2315	CW/QRSS3	marker 'Beacon DE OK0EMW JN88KS=' & id	'08
505,09	DI2AG	Experimental Station Dormitz, D	2325	CW/QRSS3	marker & id; Stn OPed by DJ2LF	'08
505,10	SM6BHZ	Experimental Station Frölunda Göteborg, SWE	2040	CW/QRSS3	beacon w/ id 'BHZ'	'07
505,11	DI2BE	Experimental Station Münsterdorf, DEU	2040	CW/QRSS	beacon w/ id 'DI2BE'	'07
505,15	DI2AT	Experimental Station Neunkirchen, DEU	0436	BPSK31/CRSS1/CRSS3/DFCW3/PSK31 etc	SERIES OF MODULATIONS EACH 5MIN	'08
505,18	DI2AM	Experimental Station Rostock Harbor, DEU	0245	CW/QRSS3	Traditionsschiff 'Typ Frieden' Museum vessel	'07
508,00	Z	NDB Zilina/Hlinik, SVK	2100	CW		'07
510,00	BL	unid NDB	2100	CW		'07
514,50	LA	NDB Namest nad Oslavou, CZE	2100	CW		'07
516,00	YWA	NDB Petawa, Ontario, CAN	0631	CW		'07
516,60	9HD	Malta Radio, MLT	1820	FEC 100/170/USB		'05
516,60	LGP	Bodo Radio,	2010	FEC 100/170/USB	'no msg on hand'	'05
516,60	LZW	Varna Radio, BUL	2130	FEC 100/170/USB		'05
516,60	OXJ	Thorshavn Radio, FRO	2030	FEC 100/170/USB		'05
516,60	SVH	Heraklion Radio, GRC	2110	FEC 100/170/USB		'05
516,60	TAN	Izmir Turk Radio, TUR	2120	FEC 100/170/USB		'05
516,60	TFA	Reykjavik Radio, ISL	1850	FEC 100/170/USB		'05
516,60	VCO	Sydney Radio, AUS	0640	FEC 100/170/USB	wx in EE	'05
517,00	ARD	NDB Arad, ROU	2359	FSK-CW	1020Hz modulation	'06
517,00	JBR	NDB Jaszbereny, HUN	2357	FSK-CW	1020Hz modulation	'06
518,00	---	unid	0800	FEC 100/170	TEST 'TEST MSG'	'08
518,00	---	Oerlandet Radio, NOR	0215	FEC 100/170	ZCZC NE85 062300 SEP 06 NORWEGIAN WEATHER BULLETIN	'06
518,00	---/'J'	Gislovshammer Radio, SWE	1733	FEC 100/170		'05
518,00	---/'R'	Grindavik Radio, ISL	1945	FEC 100/170	ZCZC RX36 GRINDAVIK TESTING A NEW TRANSMITTER	'07
518,00	---/'U'	Tallin Radio, EST	1921	FEC 100/170		'05
518,00	4XO/'P'	Haiifa Radio, ISR	0020	FEC 100/170	AV/WX	'08
518,00	5BA	Cyprus Radio, CYP	0200	FEC 100/170		'05
518,00	5BA/'M'	Nicosia Radio, CYP	0200	FEC 100/170	AV/WX 1800 AV/WX 'CYPRUSRadio GALE WARNING NR14='	'08

518,00	7TA/'B'	Algiers Radio,	2018	FEC 100/170	WEATHER FORECAST FOR SHIPPING ISSUED	'08
518,00	9AS/'Q'	Split Radio, HRV	0240	FEC 100/170		'05
518,00	9HD/'O'	La Valletta Radio, MLT	0220	FEC 100/170	AV/WX 'MALTARadio WRNG 519/08'	'08
518,00	9HD/'O'	Malta Radio, MLT	2218	FEC 100/170	Nav warning	'06
518,00	A9M/'B'	Hamala Radio, BHR	0010	FEC 100/170	NAVAREA IX 'BAHRAINRadio/A9M.'	'08
518,00	A9M/'I'	Hamala Radio, BHR	1610	FEC 100/170	NAVAREA IX 'BAHRAIN Radio/A9M'	'07
518,00	BHR	Bahrein Radio, BHR	0401	FEC 100/170	BA21 BAHRAINRadio/A9M NAVAREA IX ARABIAN GULF AND	'05
518,00	CBM	Magallanes Radio Punta Arenas, CHL	0450	FEC 100/170	EE Warnings to marines	'05
518,00	CBP	Pto Montt Radio, CHL	0436	FEC 100/170	Notices to marines	'05
518,00	CTH	Horta Radio, AZR	0450	FEC 100/170	HORTARadio NAV.WARNING R 1680/07	'07
518,00	CTV/'R'	Monsanto Radio, POR	2250	FEC 100/170	NAV WARN	'06
518,00	DDH51 S	Hamburg Meteo, DEU	2302	FEC 100/170	Navtex bcast:' ZCZC SE02 262300 HAMBURG	'07
518,00	EAC/'G'	Tarifa Radio, ESP	0500	FEC 100/170	Cadiz Bay - divers exercises	'06
518,00	EAL	Las Palmas Radio, ESP	0118	FEC 100/170	IA56 CANARY ISLANDS FIRING EXERCISES	'05
518,00	EAR/'D'	La Coruna Radio, ESP	0430	FEC 100/170	AV/WX 'GALE WARNING NR 136 ISSUED BY SPANISH INM	'08
518,00	EAV/'X'	Cabo de la Nao/Valencia, ESP	2350	FEC 100/170	AV/WX	'08
518,00	EJM/'Q'	Malin Head Radio, IRL	0505	FEC 100/170	GALE WARNINGS 'MALIN HEAD COAST GUARD EJM'	'07
518,00	FRC/'A'	Pointe Corsen/Plouarzel, FRA	0000	FEC 100/170	AV/WX	'07
518,00	FRL/'A'	Gross Garde Radio, FRA	2340	FEC 100/170	NAV WARN	'06
518,00	FRL/'W'	Cross La Garde Toulon, FRA	2340	FEC 100/170	AV/WX	'07
518,00	GCC/'G'	Cullercoats Radio, GBR	0100	FEC 100/170	AV/WX	'08
518,00	GNI/'E'	Niton Radio, GBR	0040	FEC 100/170	AV/WX	'08
518,00	GNI/'K'	Niton Radio, GBR	0140	FEC 100/170	AV/WX	'07
518,00	GPK/'O'	Portpatrick Radio Scotland, GBR	2218	FEC 100/170	Gale warning and wx f'cast at 2220	'05
518,00	HZH	Jeddah Radio, ARS	0416	FEC 100/170	JEDDAH Radio/HZH THE RED SEANAND	'05
518,00	IAR/'R'	Roma Radio, ITA	0250	FEC 100/170	AV/WX	'07
518,00	IDC/'T'	Cagliari Radio, ITA	0310	FEC 100/170	AV/WX	'08
518,00	IQA/'V'	Augusta Radio, ITA	0330	FEC 100/170	MIB Firing range restrictions	'06
518,00	IQX/'U'	Trieste Radio, ITA	0350	FEC 100/170	MIB Weapons firing, Adriatic	'06
518,00	L2N	PNA Bahia Blanca Radio, ARG	0230	FEC 100/170	SS/EE Warnings to marines San Blas Bay area	'05
518,00	L2W	PNA Rio Gallegos Radio, ARG	0215	FEC 100/170	SS/EE Warnings to marines Beagle ch. and State Is	'05
518,00	LGD/'N'	Ørlandet Radio, NOR	2210	FEC 100/170	Norwegian MIBs & gale warning	'05
518,00	LGP/'B'	Bodo Radio, NOR	0012	FEC 100/170	MIB's	'05
518,00	LGQ/'L'	Rogaland Radio, NOR	0148	FEC 100/170	AV/WX	'08
518,00	LZW/'J'	Varna Radio, BUL	0130	FEC 100/170	AV/WX	'08
518,00	MNR	San Juan Radio, PTR	0415	FEC 100/170	MNR USA NAV - RJ21U GPS BNM 223-05 PRN 18	'05
518,00	NMA	Miami Radio, USA	0805	FEC 100/170	CCGDSEVEN BNM 1021-07 LITTLE RIVER I LET TO CHAR	'08
518,00	NMF	Boston Radio, USA	0123	FEC 100/170	FA65 CCGD1 BNM 0271-07 NY-APPROACHES TO NY-NANTUCKE	'07
518,00	NMN	Portsmouth Radio, USA	0557	FEC 100/170	NA66 CCGD5 BNM 566-07 VA-CHESAPEAKE BAY	'07
518,00	OMA	Muscat Radio, OMN	2159	FEC 100/170	MA0 MUSCAT Radio/A4M NAVAREA IX OMAN NAVWARN	'05
518,00	OST/'M'	Oostende Radio, BEL	0200	FEC 100/170	AV/WX	'07
518,00	OST/'T'	Oostende Radio, BEL	0310	FEC 100/170	AV/WX	'08
518,00	OXJ/'D'	Thorshaven Radio, FRO	2030	FEC 100/170	Gale wrns	'08
518,00	PBK/'P'	Dutch Coastguard, NLD	2230	FEC 100/170	Nav wrns Lost containers	'06
518,00	SAA/'J'	Karlskrona Radio, SWE	2133	FEC 100/170	wx forecast	'05
518,00	SAH	Bjuröklubb Radio, SWE	0112	FEC 100/170	zczc hz84 stockholm Radio no maritime safety info	'06
518,00	SAQ	Danish Navy Grimeton, DNK	1204	FEC 100/170	Danish nav warn 239 Kategat Hessel	'04
518,00	SUH/'N'	Alexandria Radio, EGY	2210	FEC 100/170	WX/INFO 'ALEXRadio'	'08
518,00	SUK	Kossier Radio, EGY	2340	FEC 100/170	SUK NW24 /0 1911	'08
518,00	SUZ	Serapeum Radio, EGY	2351	FEC 100/170		'06
518,00	SVH/'H'	Iraklion Radio, GRC	0110	FEC 100/170		'05
518,00	SVK/'K'	Corfu Radio, GRC	0140	FEC 100/170		'06
518,00	SVK/'K'	Kerkyra Radio, GRC	0140	FEC 100/170	AV/WX	'07
518,00	SVL/'L'	Limnos Radio, GRC	2150	FEC 100/170	Nav warning - grounded vessel	'06
518,00	TAH/'D'	Istanbul Radio, TUR	0030	FEC 100/170	AV/WX	'07
518,00	TAL/'F'	Antalya Radio, TUR	0050	FEC 100/170	AV/WX	'07
518,00	TAN/'I'	Izmir Turk Radio, TUR	0120	FEC 100/170	AV/WX 'IZMIR TURK Radio'	'08
518,00	TFA	Reykjavik Radio, ISL	0128	FEC 100/170	RE87 WARNING A STORM/STRONG GALE WARNING	'06
518,00	TM	NDB Tomakovka, UKR	2100	CW		'07
518,00	TM	NDB Tomakivka, UKR	0000	CW	prob. 970 Hz ? modulation, morse ID	'05
518,00	UDN	Novorossiysk Radio, RUS	2302	FEC 100/170	ZCZC AA5! #30123	'06

518,00	UGE/'F'	Arkhangelsk Radio, RUS	0053	FEC 100/170	COASTAL WARNING ARKHANGELSK	'08
518,00	UIW/'J	Kaliningrad Radio, RUS	0130	FEC 100/170	AV 'Kaliningrad NAV WARN 016'	'08
518,00	UJB	Astrakhan Radio, RUS	0251	FEC 100/170	WB22 ASTRAKHAN WEATHER	'07
518,00	UTT	Odessa Radio, UKR	0429	FEC 100/170	CA79 UKRAINE COASTAL WARNING 54./07 ODESA	'07
518,00	UUI/'C	Odessa Radio, UKR	0020	FEC 100/170	AV	'08
518,00	VAR	Fundy Radio, CAN	0323	FEC 100/170	NOTSHIP M2972 DUE TO THE	'07
518,00	VCK	Riviere-au-Renard Radio, CAN	0023	FEC 100/170	CE54 ENVIRONMENT CANADA FORECASTS ALL TIMES	'07
518,00	VCO	Sydney Radio, CAN	0239	FEC 100/170	QA09 NOTSHIP M2437 LOW POINT LIGHT AND FOG SIGNAL	'07
518,00	VFF	Iqaluit Radio, CAN	0320	FEC 100/170	IS DANGEROUS TO NAVIGATION, ANCHORIS	'08
518,00	VON	St. John's Radio, CAN	0221	FEC 100/170	OE15 ENVIRONMENT CANADA FORECASTS	'07
518,00	ZSC	Cape Town Radio, ZAF	1225	FEC 100/170	Wx	'06
518,00	ZSJ	SAN Silvermine Radio, ZAF	0830	FEC 100/170		'05
521,00	BSW	NDB Bucuresti/Baneasa, ROU	2100	CW		'07
525,00	CH	NDB Cherniakhiv, UKR	0102	CW	1020 Hz modulation, morse ID	'05
525,00	CH	NDB Chernyakhov, UKR	2100	CW		'07
525,00	HG	NDB Wroclaw Strachowice, POL	2332	CW	1020 Hz modulation, morse ID	'05
525,00	WRW	NDB Wroclaw/Strachowice, POL	2100	CW		'07
526,30	---	unid	1956	DGPS snd mode ?	any idea ?	'05
534,00	R	NDB Ostrava/Mosnov/Rada, CZE	1104	CW		'07
534,00	SL	NDB Bydgoszcz Szwederowo, POL	2243	CW	400Hz modulation	'05
579,00	FR	NDB Minsk Mazowiecki/Faktor, POL	0605	CW		'07
583,00	RMP	Russian Navy Kaliningrad, RUS	1744	CW	wx	'05
615,00	OM	NDB Dab Duc Gorm Platform, IW	1203	CW		'07
1.000,00	BPM	Xian Time Signal, CHN	1259	AM	Morse and voice id	'05
1.174,70	---	unid, PRI	2329	USB	relay from central command post to Navy pilot ?	'06
1.285,00	SW	NDB Savelovo, RUS	2137	CW	1020Hz modulation morse ID	'05
1.290,00	TU	NDB Bely, RUS	0052	CW	1020Hz modulation morse ID	'05
1.500,00	BPM	Xian Time Signal, CHN	0850	AM	ticks and beeps 2-way propagation	'05
1.635,00	---	unid	1857	CW ?		'07
1.635,00	LGV	Vardoe Radio, NOR	1917	USB	nor d/x	'07
1.638,00	OFK	Turku Radio, FIN	1840	USB	ice rpt	'06
1.641,00	---	UKCG Solent, GBR	2043	USB	wx forecast	'05
1.641,00	OXJ	Thorshavn Radio, FRO	0635	USB	short announcement 'we listen on 20663 USB	'06
1.650,00	---	Cross Jobourg, FRA	1918	USB	naws 'antifer...port de rouen...'	'05
1.656,00	EA.	Chipiona Radio, ESP	2000	USB	AV/WX	'08
1.659,00	TFA	Reykjavik Radio, ISL	0540	USB	eng & isl naws wx	'07
1.674,00	SDJ	Stockholm Radio, SWE	1430	USB	ID in CW mode	'05
1.677,00	EAS	Cabo Penas Radio, ESP	0716	USB	spanish naws	'05
1.677,00	EJM	Malin Head Radio, IRL	0639	USB		'04
1.677,00	OFK	Turku Radio, FIN	2240	USB	AV/WX	'08
1.678,20	---	unid Military/NATO	2344	STANAG-4285/USB	encrypted tfc	'08
1.680,00	LGL	Floroe Radio, NOR	0645	USB	bulletin	'07
1.689,00	EAL	Las Palmas Radio, CNR	1948	USB		'08
1.692,00	LGQ	Rogaland Radio, NOR	2318	J3E/USB	wx and forecast in english, parallel with 1785	'06
1.696,00	---	Cross La Grade, FRA	0758	USB	nav wrns	'05
1.698,00	EAR	La Coruna Radio, ESP	1912	USB	spanish naws	'07
1.704,00	EAC	Tarifa Radio, ESP	1944	USB	spanish and english naws	'07
1.704,00	OXZ	Lyngby Radio, DNK	0155	USB	wx rpt	'07
1.707,00	---	Machichaco Radio, ESP	2118	USB		'07
1.707,00	---	pirate	2202	AM	weak in am	'07
1.710,00	SDJ	Stockholm Radio, SWE	1532	USB	id in CW mode	'05
1.719,00	OFK	Turku Radio Hailuoto, FIN	1840	USB	wx & nav wngs and ice rpt in Finnish //2810	'06
1.723,50	---	fishermen	1926	USB	fr d/x	'07
1.728,00	LGN	Rogaland Radio, NOR	1837	USB	nav wngs	'06
1.734,00	OXZ	Lyngby Radio, DNK	2140	USB	Blavand Navigational wrns	'07
1.743,00	---	UKCG Stornoway- Isle of Lewis, GBR	1918	USB	naws	'07
1.743,00	EJK	Valentia Radio, IRL	1916	USB	Eng wx naws	'07
1.754,20	---	unid station, TUR	1930	FSK unknown signal	was very strong until the 1999 earthquake	'06
1.755,00	---	fishermen	2121	USB	eng d/x qrm	'06
1.755,00	EAO	Palma de Mallorca Radio, ESP	1950	USB		'08
1.758,00	OXZ	Lyngby Radio, DNK	2142	USB	Skagen Navigational wrns	'07

1.767,00	---	UKCG Milford Haven, GBR	1938	USB	naws	'06
1.767,00	---	Cabo de Gata Radio, ESP	1950	USB	AV	'08
1.767,00	OXZ	Lyngby Radio, DNK	2000	USB	Dan YL dial	'07
1.770,00	3VM	Mahdia Radio, TUN	0603	USB		'07
1.784,50	---	unid marker ?	0255	USB	continuous snd	'05
1.785,00	LGZ	Farsund Radio, NOR	2320	USB	AV/WX	'08
1.797,00	SDJ	Stockholm Radio, SWE	1937	USB	eng naws	'07
1.799,20	---	unid DeltaFix/Veripos Nav Fixer	2337	4-PSK	2 secs on/2 off	'05
1.800,80	---	radiolocation	0519	DGPS like mode ?		'06
1.806,50	---	radiolocation	0613	unid	dig disc 2s transm	'05
1.809,80	---	radiolocation	0330	USB	marker ?	'05
1.810,50	YR2TOP	Romanian 160m beacon, ROU	2235	CW		'07
1.824,90	---	unid Russian Military, RUS	1932	81-81 81/500	encrypted	'07
1.852,00	IPP	Palermo Radio, ITA	1945	USB	AV/WX	'08
1.853,00	---	unid	1633	RTTY ?		'05
1.854,00	OKOEV	beacon Olesko, CZE	0412	CW		'07
1.867,80	---	fishermen	1913	USB	nor? d/x	'07
1.869,00	---	UKCG Yarmouth, GBR	0846	USB	ee naws	'05
1.871,00	---	unid fishermen	1955	USB	dutch	'05
1.876,00	IQN	Lampedusa Radio, ITA	2045	USB	SYNCHRO AVURNAV SLOW SPEED	'06
1.877,00	---	NATO/RN System	2341	NATO-75 75/850/KG84	cipher msgs with carrier off	'05
1.879,00	---	unid	0650	unid mode 190/40 ?		'07
1.880,00	---	Holihead Radio, GBR	1739	USB	d/x	'06
1.881,50	---	unid	0441	unid	continuous sig/s2	'06
1.881,50	---	unid navaid ?	0529	UNID 100/	similar on 1894 same waterfall profile	'05
1.883,00	---	UKCG Clyde HMG Scotland, GBR	2024	USB	wx and MIBs	'05
1.888,00	IPD	Civitavecchia Radio, ITA	2056	USB	YL with MIBs/wx in Italian	'07
1.890,00	PBK	Netherlands Coastguard, NLD	2148	USB	wx reports	'07
1.890,00	TFA	Reykjavik Radio, ISL	2135	USB	WX ING 2145 WX ISL	'08
1.894,00	---	DeltaFix/VeriPos Butt of Lewis, GBR	2034	2PSK		'05
1.894,00	---	Veripos Wick, GBR	2117	DGPS/QPSK		'07
1.895,00	---	Veripos	2121	DGPS ?		'07
1.904,00	BF26	Bundespolizei Boot "ESCHWEGE", DEU	1825	MIL.STD 188-141A snd		'07
1.904,00	LEZSEE	German CG Cuxhaven, DEU	2238	MIL.STD 188-141A snd	Federal Offshore Police Task Force	'07
1.914,90	DBGY	German Police Patrol Boat "Bayreuth", DEU	2220	ARQ	posrep to Cuxhaven, msg addressed to "CUXHAVEN GLZ"	'08
1.915,00	DIAL	BMS Oceanic, DEU	2006	ARQ	"so nochmaliges hallo von der oceanic"	'07
1.916,70	---	German CG Cuxhaven, DEU	1845	ARQ	wx "deutsche bucht..."	'07
1.916,70	DBJM	German CG Kuewaz Nordsee, DEU	2250	ARQ 100/170	tfc TED/WX SIMPLEX	'08
1.916,70	DBPQ/G ?	German CG Mellum, DEU	2100	ARQ	somt wx from 82850 glz see	'08
1.916,70	DIAL	BMS Oceanic, DEU	1935	ARQ	got wx from glz see	'08
1.925,00	IPL	Livorno Radio, ITA	1945	USB	AV/WX	'08
1.940,80	---	Unlisted Fixer	2052	unid mode		'07
1.942,50	---	unid	2001	CLOVER /500 or 380	2sec	'05
1.943,00	C02	prob. fishnet buoy	0047	CW	ID every 4 Military	'06
1.950,00	---	fishermen	2243	CRY-2001/USB	Male voices	'07
1.950,00	---	German CG Cuxhaven, DEU	0651	ARQ		'07
1.952,00	---	unid vessel	0738	USB	fr d/x	'07
1.960,00	GB3SSS	Poldhu MF Beacon Cornwall, GBR	1130	CW/PSK31/carrier pulses	Every 15 min QSL gb3sss@yahoo.co.uk	'06
1.982,00	---	fishermen	2124	USB	dan? d/x	'06
1.991,50	---	unid Ionosonde	2313	FON	3K bandwidth/2 sweeps per second	'05
2.001,00	---	unid NATO Military	2325	STANAG-4285/USB	tfc in cipher	'08
2.001,20	---	unid NATO Military	2316	USB/STANAG 4285/600 L/3K	tfc in cipher	'06
2.005,00	---	CIS Military	2130	81-81 81/200	chipher	'05
2.011,00	DHA9	unid CIS Military	1909	CW	clg .8V QTC 977 91 1 2101 977 = 154	'06
2.013,50	RCB	Russian Naval Aviation West Sector, RUS	1840	CW	wkng RIC89 RAY96 ex."RAY96 de RCB QSA?"	'05
2.020,00	---	unid Military	1903	STANAG-4285/USB	tfc in cipher	'08
2.023,50	---	unid	0702	CW ?		'07
2.037,20	XO3	probable Fishnet Buoy	0312	CW	ID every 4 min	'06
2.038,00	---	unid	0323	FSK 75/170	Very low signals	'05
2.041,00	QBX	unid prob. Fishnet Buoy	0308	CW	Continuous ID	'06
2.042,50	---	unid AN station	0248	RTTY 75/170	Wx forecast for South Atlantic//3175,50	'05

2.043,00	P8	Radio buoy	0144	CW	marker	'05
2.044,50	---	unid CIS Military	2120	CW	Msg to unid: 683 80 4 2230 683 = FFFFF BJIEL CPGäP	'05
2.045,00	---	unid coast station ?	2057	USB	esp simplex	'06
2.045,00	FAV22	CSTEI Favieres via Vernon, FRA	2244	CW	5l grps	'07
2.052,00	YP6	probable fishnet buoy	0256	CW	ID every 4 min	'06
2.053,00	---	unid vessel ?	2007	USB	rus ? sea wx bulletin? // 2300	'07
2.053,00	---	unid 2300 vessel ?	2007	USB	rus? sea wx bulletin?	'07
2.053,00	---	unid maritime net ?	0526	USB	pol ? numbers data	'07
2.054,00	NOJ	Kodiak, USA	1648	FAX	IY	'06
2.055,50	---	unid CIS Military	2100	CW	Ends 330-group 5LG msg. REyKC AZWWA Nothing further	'05
2.061,40	ARK	unid	2225	RTTY 75/850	CARBs 08 23 08 23 ARK with UTC timestamps	'07
2.064,00	HWN	FN Paris, FRA	2317	FSK 50/850	tfc in cipher	'08
2.065,00	---	unid	2200	RTTY 50/	by PcPakratt	'05
2.065,00	BKHEE	fishnet buoy	0425	CW	marker	'05
2.068,00	---	unid NATO Air Defence Data System	2259	LINK-11/2250/ISB 2-channel		'07
2.070,00	ALJ	unid	1952	MIL.STD 188-141A	TO JPQ THIS IS ALJ	'07
2.070,00	JPQ	LN Klaipeda, LTU	1955	MIL.STD 188-141A	to JPNNET	'07
2.070,40	BP26	Bundespolizei Boot "Eschwege", DEU	1924	MIL.STD 188-141A snd		'07
2.070,50	DBGX	Bundespolizei Boot "Bad Bramstedt", DEU	1830	MIL.STD 188-141A snd		'07
2.070,50	LEZSEE	BP-LEZ See Cuxhaven, DEU	1839	MIL.STD 188-141A snd		'07
2.072,10	---	Seewetterdienst Hamburg, DEU	2203	ARQ	SELCALs SOMT German CG vessel Mellum/DBPQ	'05
2.072,10	---	German CG Cuxhaven, DEU	0643	ARQ	tfc	'07
2.072,10	DBGX	Bundespolizei Boot "Bad Bramstedt", DEU	0722	ARQ	pos rpt	'04
2.072,10	DBGY	Bundespolizei Boot "Bayreuth", DEU	2221	ARQ	pos rep. wir fahren bis holland und drehen dann	'04
2.072,10	DBJM	Bundespolizei Boot "Neuwerk", DEU	0432	ARQ	60286 dbjmx 30.12.2004 05:32 g m q t h 54	'04
2.075,00	Warszawa2	Polish Military, POL	1836	MIL.STD 188-141A snd		'05
2.076,00	---	fishermen	0616	USB	ee vulgar dial	'05
2.077,00	FWV	FN Nimes Garons, FRA	1710	USB	tfc FRA SIMPLEX	'07
2.096,00	---	fishermen	1922	USB	fr d/x bad fish prices	'05
2.097,00	I	unid beacon	0400	CW	Slow morse	'05
2.097,00	MM4	Possible fishnet beacon	0219	CW	id every 4 Min	'05
2.097,20	"M"	QTH ?	1244	CW	marker there was a 7 to 8 second delay between ID's	'06
2.103,50	KAL	Swedish navy Missile boat K23 "Kalmar", IW	2152	USB	wkg MAL (SwN Missile boat K12 "Malmo")	'06
2.103,50	THT	Danish navy frigate F357 "Thetis", IW	2311	USB	wkg MAL (Swedish navy Missile boat K12 "Malmo")	'06
2.105,50	---	unid CIS Military	2200	81-81 81/230	Opchat then tfc	'07
2.113,00	BB3	prob. fishnet buoy	0010	CW	ID every 4 Min	'05
2.113,00	DY68	prob. fishnet buoy	0106	CW	ID every 4 Min	'05
2.115,00	---	unid Military	2316	STANAG-4285/USB	tfc in cipher	'08
2.115,00	DK05	prob. fishnet buoy	0049	CW	ID every 4 Min	'05
2.119,00	DY75	prob. fishnet buoy	0133	CW	ID every 4 Min	'05
2.121,40	---	unid Military	1932	NATO-75 75/850	tfc in cipher	'08
2.126,00	---	unid	0628	CW	5 letters groups	'07
2.126,50	---	unid	0628	CW	5 letters groups	'07
2.130,50	FAV22	CSTEI Favieres via Vernon, FRA	2343	CW	GRA //2237,0 'NR 29 T 02 02 36 16 1980 BT MBIHQ	'08
2.133,70	EAS	Machichaco Radio, ESP	2014	USB	span duplex c unidboat	'05
2.134,00	---	unid Polish fishermen, POL	1845	USB	in chat,net malfunction rep.,sked for tomorrow morn	'05
2.142,00	---	unid	1814	FSK 50/250	tfc in cipher SIMPLEX	'08
2.142,50	---	unid Military	1814	NATO 75/170	tfc in cipher SIMPLEX	'08
2.145,60	---	unid Military	2154	STANAG-4285/USB	tfc in cipher	'08
2.146,00	GE8	fishnet buoy	0445	CW	marker	'05
2.149,00	---	fishermen	1954	USB	dan? d/x	'06
2.151,50	BP24	Bundespolizei Boot "Bad Bramstedt", DEU	0250	MIL.STD 188-141A snd		'07
2.151,50	DBGZ	Bundespolizei Boot "ESCHWEGE", DEU	1824	MIL.STD 188-141A snd		'07
2.151,50	LEZSEE	German Police Cuxhaven, DEU	0004	MIL.STD 188-141A snd	Net Lage- und Einsatzzentrum	'08
2.152,00	---	unid Military	1724	NATO-100 100/850	tfc in cipher	'08
2.153,00	---	German CG Cuxhaven, DEU ?	0620	ARQ	corrupted text like always from cuxhaven	'06
2.153,00	BW6	fishnet buoy	2336	CW	marker	'05
2.153,20	---	German CG Neustadt, DEU	2312	ARQ 100/170	tfc TED/ wkg "BP25"	'08
2.155,00	AU7	Radio buoy	0137	CW	marker	'05
2.157,00	7K0	unid fregate ?	0716	USB	eng d/x c unid base	'07
2.157,00	P7P	FN frigate D615 "Jean Bart", IW	0002	USB	wkg 7EQ E8G Y00 1U0 and 5H0	'07

2.157,00	Z6W	FN frigate D615 "Jean Bart", IW	1817	USB	wkg S1N 8MB 2IK 2QU (SpN/PortN ships)	'07
2.159,00	M53	French Military	2234	CW	NR 36 J 26 00:33:55 1984 = KJYUG SWQGI	'07
2.162,50	---	unlisted Fixer	2046	unid mode	Another on 2162 kHz	'07
2.163,70	---	VERIPOS ?	1943	DGPS ?		'07
2.163,80	---	radiolocalisation ?	0655	unid mode		'07
2.167,00	---	fishermen	0654	USB	dan d/x	'07
2.169,70	---	unid Military	1727	STANAG-4285/USB	tfc in cipher	'08
2.182,00	---	Cabo de Gata Radio, ESP	0434	USB	spanish call	'07
2.182,00	---	Canadian CG Labrador, CAN	0620	USB	announce QSY 2598 khz	'06
2.182,00	---	UKCG Aberdeen, GBR	2023	USB	ann wx on 2226 kHz	'05
2.182,00	---	Tarifa-Cipiona Tadio, ESP	1934	USB	english/spanish	'06
2.182,00	---	Finisterre Radio, ESP	0602	USB	spanish c unid boat	'07
2.182,00	---	UKCG Stornoway, GBR	0411	USB	OM/EE ann fr wx b'cast on 1743 kHz	'07
2.182,00	---	Canadian CG St John's, CAN	0600	USB	APPROX announce QSY 2598 khz	'06
2.182,00	---	Malaga Radio, ESP	0435	USB	english	'07
2.182,00	---	Irish CG Malin Head, IRL	0438	USB	english naws on dedicated net	'06
2.182,00	---	UKCG Humber, GBR	0752	USB	Clg all stations for nav wng	'07
2.182,00	---	La Coruna Radio, ESP	1837	USB	spanish pan pan	'07
2.182,00	---	Machichaco & Cabo Penas Radio, ESP	1804	USB	OM/SS+EE ann for nav/warn on Machichaco Radio	'07
2.182,00	---	Stockholm Radio, SWE	0559	USB	english "securité" wx bulletin	'07
2.182,00	---	Cross Corsen, FRA	0707	USB	ff because of strike Minimum wx bulletin	'05
2.182,00	---	UKCG Yarmouth, GBR	0011	USB	OM/EE sx wkg Stornoway CG fr ra/ch	'08
2.182,00	---	Cross Jobourg, FRA	1914	USB	french securité	'07
2.182,00	7TO	Oran Radio, DZA	2040	USB	OM/EE wkg PHEC	'07
2.182,00	C6SG2	vessel "FPSO Sevan Hummingbird", IW	0537	USB	Chestnut Field Cent. UK North Sea wkg UKCG Aberdeen	'08
2.182,00	CTG	Alges Radio, POR	2305	USB	OM/PP+EE PAN PAN for gale/warn on 2657 kHz	'07
2.182,00	CUA	Lisbon Radio, POR	2216	USB	OM/PP clg "Iris Pumada" ?	'08
2.182,00	EA?	Arrecife Radio, CNR	0404	USB	YL/EE+SS w/"PAN PAN" fr msg on 1644 kHz	'08
2.182,00	EAL	Las Palmas Radio, CNR	0412	USB	EE clg LXRC	'07
2.182,00	EAO	la Palma Radio, ESP	1834	USB	spanish pan pan, mess urgent + pos	'07
2.182,00	EJK	Irish CG Valentia, IRL	2034	USB	OM/EE ann wx forecast on 1752 kHz	'07
2.182,00	EJM	Irish CG Malin Head, IRL	2034	USB	OM/EE ann fr repeat of "radio navigation warning"	'07
2.182,00	ESA	Tallinn Radio, EST	0234	USB	YL/EE+Estonian Security-clg fr nav/warn on 3310 kHz	'08
2.182,00	FRL	Cross Med La Garde, FRA	0418	USB	OM FF ann for special bulletin for Porquerolles	'07
2.182,00	IAR	Roma Radio, ITA	2321	USB	YL/EE+II ann for gale/warning on 1888 kHz	'07
2.182,00	ICB	Genova Radio, ITA	2322	USB	YL/EE+II ann for gale/warning on 2642 kHz	'07
2.182,00	IDC	Cagliari Radio, ITA	1644	USB	YL/EE+II ann for wx forecast on 2580 and 2719 kHz	'07
2.182,00	IDF/ICF ?	Messina Radio, ITA	0417	USB	italian securité	'07
2.182,00	IPA	Ancona Radio, ITA	0137	USB	YL/EE+II ann for wx forecast on 2656 kHz	'07
2.182,00	IPB	Bari Radio, ITA	2339	USB	Clg all ships	'07
2.182,00	IPC	Crotone Radio, ITA	0307	USB	YL/EE+II ann for gale/warning on 2663 kHz	'07
2.182,00	IPL	Livorno Radio, ITA	0418	USB	YL/EE+II ann for gale/warning on 1925 kHz	'07
2.182,00	IPP	Palermo Radio, ITA	2144	USB	YL/EE+II ann for gale/warning on 1852 kHz	'07
2.182,00	IQA	Augusta Radio, ITA	0138	USB	YL/EE+II ann for wx forecast on 2628 kHz	'07
2.182,00	IQH	Napoli Radio, ITA	0138	USB	YL/EE+II ann for wx forecast on 2632 kHz	'07
2.182,00	IQQ	Mazara del Vallo Radio, ITA	0347	USB	YL/EE+II ann for bull on 2600 IQQ/Mazara&IQN/Lampedusa	'07
2.182,00	IQX	Trieste Radio, ITA	2021	USB	YL/EE+II ann for gale/warning on 2624 kHz	'07
2.182,00	LK7158	Yacht Nor Queen, IW	2319	USB	wkg Yarmouth CG Wounded man on board Asks for heli	'07
2.182,00	LS44	unid vessel	0420	USB	clg palma	'06
2.182,00	MKBK2	vessel "GRAMPIAN COMMANDER", IW	0229	USB	UK Stand-by Emerg. Response and Rescue	'08
2.182,00	MLLN8	vessel City of Westminster, IW	0812	USB	Clg Aberdeen CG but couldn't hear Aberdeen	'07
2.182,00	MPPH5	vessel "Grampian Hunter"	0313	USB	wkg GRAMPIAN HIGHLANDER QSY 2345 kHz	'08
2.182,00	OCEAN STRIKE ?	vessel ?	0328	USB	wkg Aberdeen Coast Guard for short ra/check	'08
2.182,00	OFK	Turku Radio, FNL	0233	USB	OM/EE+Finnish Security-clg fr repeat? gale & nav/warn	'08
2.182,00	OST	Oostende Radio, BEL	1431	USB	OM/EE&DD ann for repeat of nav/warn on 2761 kHz	'07
2.182,00	OXZ	Lyngby Radio, DNK	1734	USB	English QSX 1704 1734 1758 2586	'05
2.182,00	PBK	Netherlands CG, NLD	0812	USB	Mayday vessel Lorena B EHCU	'07
2.182,00	PHEC	vessel "MV FAIRPARTNER"	2025	USB	wkg Oran Radio Algeria QSY "channel 291"	'07
2.182,00	SPS	Witowo Radop, POL	0531	USB	polish "securité"	'07
2.182,00	SVH	Iraklion Radio, GRC	2042	USB	greec/english mayday "man over board " + pos	'06
2.182,00	TFT	Hornafjordur Radio, ISL	2308	USB	OM/EE+IS ann for gale/Warn on 1659 kHz & VHF	'07

2.182,00	TFX	Siglifjordur Radio, ISL	2304	USB	OM/EE+IS ann for gale/Warn on 1883 kHz & VHF	'07
2.182,50	ELWF2	Liberian-flagged vessel Altair, IW	2132	GMDSS	RQs MMSI 00224000 for safety test	'05
2.182,50	SVO	JRCC Piraeus, GRC	2133	GMDSS	SELCALs giving telephony frequencies 2799 and 2134 kHz	'05
2.185,50	OJKT	Finnish Ship Jurmo, IW	2001	GMDSS	RQs Lyngby Radio/OXZ for safety test OXZ BQs	'05
2.187,50	---	MRCC Bodo	0132	DSC	to 273130200 Ship Russian Federation	'05
2.187,50	---	Malaga Radio, ESP	0056	DSC	with test for safety to RUNAWAY BAY C6PX2	'07
2.187,50	---	MRCC Valencia/Almeria, ESP	1959	GMDSS	RQs unknown shore facility MMSI 002371012	'05
2.187,50	---	Var MRSC inc Palermo, ITA	0008	DSC	to 306458646 Ship Netherlands Antilles	'05
2.187,50	---	Var MRSC inc Roma, ITA	0134	DSC	to 235008710 Ship United Kingdom	'05
2.187,50	---	MRCC Aberdeen Scotland, GBR	2233	GMDSS	CQs all ships for weather/MIB voice bcst on 2226 kHz	'05
2.187,50	---	MRCC Turku, FIN	2027	DSC	Safety BQ to Gaastdiep/ZDEN9 UK	'06
2.187,50	---	MRCC Falmouth Cornwall, GBR	1903	GMDSS	CQs all ships for voice MIB/Wx on 2182 kHz	'05
2.187,50	---	UKCG Milford Haven, GBR	0119	DSC	with test ACK for safety to Vudi/ESIK-Estonia	'07
2.187,50	---	MRCC Tenerife/Las Palmas, CNR	2105	GMDSS	CQs All Ships for pending voice safety broadcast	'04
2.187,50	---	MRCC Malaga/Tarifa/Almeria, ESP	2120	GMDSS	sends self-addressed safety test	'05
2.187,50	---	MRCC Tarifa/Almeria, ESP	2038	GMDSS	Sends apparent distress msg	'05
2.187,50	---	unid MMSI 273139400 Russian vessel	2334	GMDSS	RQs MRSC Kaliningrad/UIW for safety test	'05
2.187,50	---	Malin Head MRCC Dublin, IRL	0547	DSC	to 309067000 Ship Bahamas	'05
2.187,50	---	MRCC Coruña/Finisterre, ESP	2101	DSC	Preliminary call for weather/MIB bcst on 2182 kHz	'06
2.187,50	---	MRSC inc Roma, ITA	0134	DSC	to 235008710 Ship United Kindom	'05
2.187,50	---	MRSC inc Palermo, ITA	0008	DSC	to 306458646 Ship Netherlands Antilles	'05
2.187,50	---	Samsun Radio, TUR	0218	DSC	to 445633000 ship North Korea	'06
2.187,50	---	MRSC Shetland, GBR	0235	DSC	to 311457000 Ship Bahamas	'05
2.187,50	---	vessel Indian	2143	DSC	MMSI 419497000 Safety/test call to Lyngby	'07
2.187,50	---	unid Irish vessel MMSI 250108400	2028	GMDSS	clg Irish Fishing vessel Cu na Mara Sea Dog/EI5777	'05
2.187,50	---	MRSC Coruña, ESP	2100	GMDSS	CQs all ships for voice MIB/Wx bcst on 2182 kHz	'05
2.187,50	---	MRCC Kaliningrad, RUS	2353	DSC	to 275250000 Ship Latvia	'05
2.187,50	002050480	Oostende MRCC Oostende Radio, BEL	0001	DSC	with safety test to 636090298 Liberia	'07
2.187,50	002070810	Varna MRCC Varna Radio, BUL	2215	DSC	with safety test to 272960000, UKR	'07
2.187,50	002091000	Larnaca RCC Cyprus Radio, CYP	0327	DSC	with safety test to 248434000 Malta	'07
2.187,50	002191000	Lyngby MRCC, DNK	2300	DSC 100/170	Maersk Rouen (Chemical tanker) safety test	'06
2.187,50	002241021	Bilbao MRCC Cabo Penas/Bilbao Radio, ESP	2206	DSC	with routine to 002241022 Coruna with msg	'07
2.187,50	002241022	Coruna MRCC Cabo Finisterre/La Coruna, ESP	2211	DSC	with safety to "all ships" with msg	'07
2.187,50	002241023	Madrid Radio, ESP	1559	DSC	Clg mv Thames Fisher	'07
2.187,50	002241023	Tarifa MRCC Malaga Radio, ESP	0325	DSC	with safety test to 304955000 Antigua	'07
2.187,50	002241024	Valencia RCC Cabo La Nao/Valencia R., ESP	2221	DSC	with routine to 002241021 Bilbao with msg	'07
2.187,50	002241026	Las Palmas MRCC Las Palmas CCR, CNR	0231	DSC	with safety to "all ships"	'07
2.187,50	002241078	Madrid MRCC Madrid Radio, ESP	1949	DSC	with safety to "all ships"	'07
2.187,50	002275300	Corsen MRSS Cross Corsen/Ouessant, FRA	0200	DSC	safety test to 304190000 Antigua	'07
2.187,50	002300230	Turku MRCC Turku Radio, FIN	2321	DSC	with safety test to 230249000	'07
2.187,50	002301000	Turku MRCC via Mariehamn Aaland Is, FIN	0333	DSC	with safety test to 244966000 The Netherlands	'07
2.187,50	002311000	Torshavn MRCC Torshavn Radio, FRO	0031	DSC	with safety test to 236297000 Gibraltar	'07
2.187,50	002320001	Lerwick/Shetland MRSC UKCG Shetland, GBR	2101	DSC	with safety test to 234487000 UK	'07
2.187,50	002320001	UKCG Shetland, GBR	0112	DSC	with test ACK for safety to 232838000 258431000	'07
2.187,50	002320004	UKCG Aberdeen, GBR	0000	GMDSS	safetyfrom 232001790 DALMENY/MSXE3-G test REQ	'06
2.187,50	002320007	Humber MRCC UKCG Humber, GBR	0205	DSC	safety test to 304050636 Antigua	'07
2.187,50	002320017	Milford Haven MRSC Milford Haven Wales, GBR	1949	DSC	with safety test to 232000750 UK	'07
2.187,50	002320018	Holyhead MRCC UKCG Holyhead, GBR	0015	DSC	with safety test to 209218000 Cyprus	'07
2.187,50	002320022	UKCG Clyde Scotland, GBR	2226	DSC	with safety to "all ships" w/msg	'07
2.187,50	002320024	Stornoway MRSC Stornoway Scotland, GBR	2047	DSC	with safety test to 232316000 UK	'07
2.187,50	002371000	Piraeus JRCC Olympia Radio, GRC	2201	DSC	with safety to 002070810 Varna BUL	'07
2.187,50	002442000	Dutch CG Den Helder JRCC Ijmuiden, NLD	2358	DSC	with safety test to 246414000 The Netherlands	'07
2.187,50	002470001	Roma MRCC Roma Radio, ITA	0525	DSC	with safety test to 477282900 Hong Kong	'07
2.187,50	002470002	Palermo MRSC Palermo Radio, ITA	2333	DSC	with safety test to 212846000 Cyprus	'07
2.187,50	002500100	Malin Head MRSC Malin Head Radio, IRL	2138	DSC	with safety to 232002777 UK with msg	'07
2.187,50	002500200	Valentia MRSC Valentia CG Radio, IRL	0420	DSC	with safety test to 248053000	'07
2.187,50	002510100	Keflavik MRCC Reykjavik Radio, ISL	2353	DSC	safety test to 231319000 Faroe	'07
2.187,50	002510100	Reykjavik Radio, ISL	1832	DSC 100/170	Safety call to all ships in Geographic area	'07
2.187,50	002570000	unid Norwegian Shore Station	2359	DSC	safety test	'07
2.187,50	002570100	Stavanger JRCC Tjømø Radio, NOR	2339	DSC	safety test to 636012310 Liberia	'07
2.187,50	002570300	Rogaland Radio, NOR	0331	GMDSS/USB	with Selective call to ships in a geographic area	'04

2.187,50	002570300	Stavanger JRCC Rogaland Radio, NOR	0214	DSC	with safety test to 356358000 Panama	'07
2.187,50	002570500	Stavanger JRCC Florø Radio, NOR	2320	DSC	with safety test to itself	'07
2.187,50	002570600	unid MRCC ? Ørlandet Radio, NOR	0016	DSC	with safety test to 257871500	'07
2.187,50	002570700	Bodø JRCC Bodø Radio, NOR	2138	DSC	routine test to 273114000 RUS	'07
2.187,50	002610210	Gdynia MRCC Witowo Radio, POL	1933	DSC	safety to "all ships" with msg	'07
2.187,50	002652000	Stockholm Radio, SWE	2009	DSC	with safetytest to 259964000	'07
2.187,50	002653000	Göteborg MRCC ? via Stockholm Radio, SWE	2207	DSC	safety test to 234056000 UK	'07
2.187,50	002711000	Ankara RCC Istanbul Radio (TAH), TUR	2109	DSC	safety tests to Samsun, Iskenderun & Antalya	'07
2.187,50	002711000	Istanbul MRCC Ankara, TUR	0220	DSC	Test	'05
2.187,50	002712000	Ankara RCC Samsun Radio (TAF), TUR	2158	DSC	with routine call to itself	'07
2.187,50	002713000	Ankara RCC Antalya Radio (TAL), TUR	2115	DSC	safety test to 002711000 Istanbul R	'07
2.187,50	002715000	Ankara RCC Iskenderun Radio (TAI), TUR	0026	DSC	safety test to 468323000 Syria	'07
2.187,50	002733700	Sankt Petersburg MRCC ? (UGC or UCW4?), RUS	0223	DSC	with safety test to 212071000 Cyprus	'07
2.187,50	002734411	Novorossiysk MRCC Morflot Radio, RUS	2252	DSC	with urgency msg "F3 02182.0kHz/02182.0kHz"	'07
2.187,50	002734414	Archangelsk Radio, RUS	1705	DSC 100/170	QSY 218226	'07
2.187,50	002734414	Archangelsk Radio, RUS	1705	DSC 100/170	QSY 2182	'07
2.187,50	002734417	Kaliningrad MRCC Kaliningrad Radio, RUS	1755	DSC	with safety test to itself	'07
2.187,50	002734419	Astrakhan Radio (UBA8 or UCY2?], RUS	0327	DSC	with safety to 002734423 Makhachala Caspian Sea w/msg	'07
2.187,50	003313000	Grönnedal MRCC Aasiaat Radio, GRL00	0031	DSC	with urgency msg to "all ships"	'07
2.187,50	003669991	USCG Boston RCC COMMSTA Boston, USA	0422	DSC	safety test ACK to 416204000 Taiwan	'07
2.187,50	004030000	Riyadh RCC Jeddah Radio, ARS	0241	DSC	to 272848000 Ukraine with routine "Position request"	'07
2.187,50	004122100	Shanghai Radio, CHN	2253	DSC 100/170	clg 431293000 Ryukyu JNYQ	'07
2.187,50	004122100	Shanghai MRCC Shanghai Radio, CHN	2151	DSC	safety test to 351602000 Panama	'07
2.187,50	004123100	Guangzhou Radio, CHN	2005	DSC 100/170	test to Liberian ship A8BI5 Magnavia MMSI 636090594	'06
2.187,50	006221112	Cairo RCC Quseir/Kosseir Radio, EGY	2039	DSC	with a safety to 574451000 Vietnam with msg	'07
2.187,50	006221113	Cairo RCC Port Said, EGY	2136	DSC	routine to itself w/"J3 ch02182/ch02182"	'07
2.187,50	213307000	unid Georgian flag vessel	2203	DSC	clg 004280001 Haifa R. w/ Safety - test req	'05
2.187,50	246486000	vessel Arklow Sky Cargo, IW	1534	GMDSS	test with 002442000 Ymuiden MRCC	'05
2.187,50	255801260	unid Ship reg in Madeira	0136	GMDSS/USB	wkng SPS Witowo Radio for J3E comms safety purpose	'04
2.187,50	258689000	vessel Sira Borg Chemical Tanker Routine	2300	GMDSS	msg with 271000809 unid turk GMDSS	'05
2.187,50	2AFC4	vessel FD Reliable (GBR)	2135	DSC	Safety RQ to MRCC Aberdeen Scotland	'08
2.187,50	2UIJ	vessel Rix Harrier (GBR)	1835	GMDSS	RQs MRSC Humber/GKZ for safety test	'05
2.187,50	311848000	unid Bahamese vessel	0142	GMDSS/USB	wkng SPS Witowo for safety purpose	'04
2.187,50	312142000	vessel (BLZ)	0214	DSC	with test REQ for safety to Olympia and Palermo Radio	'07
2.187,50	319991000	ZCNE2 M/V Stolt Hikawa	1123	DSC	Cayman Islands to 003669915 USCG Galveston	'06
2.187,50	3EBE	vessel Good Chance (PAN)	0534	DSC	with test for safety to Lyngby Radio	'07
2.187,50	3ELC4	vessel Freja Fionia (PAN)	2117	DSC	TR from 3207N 03035E to RCC Larnica Cyprus	'08
2.187,50	3FAT7	vessel Yuehe (PAN)	1848	GMDSS	RQs Cross Corsen for a safety test	'05
2.187,50	3FHC5	vessel Susan Hill (PAN)	1933	GMDSS	RQs Ever Utile/3FZA9 8230 kHz	'05
2.187,50	3FMG6	vessel Sunshine Sky (PAN)	1941	GMDSS	TR to Harbour Master Constanta Romania 5406N 00525E	'05
2.187,50	3FWE9	vessel Ludvig Andersen (PAN)	2013	DSC	RQs Alder Ingebrigten/LAYF 6221,60 kHz	'06
2.187,50	477080500	vessel ASTRA/VRZO6, HKG	2300	DSC	Test REQ to 002610210 Witowo Radio	'07
2.187,50	538001175	V7AW3 M/T Ania, MHL	1127	DSC	Mobile Test req	'06
2.187,50	7TBR	vessel El Djazair II (DZA)	2145	DSC	RQs MRCC Valencia/Almeria for safety check	'06
2.187,50	8PQT	vessel Wilson Riga (BRB)	2049	DSC	RQs MRSC Kaliningrad/UIW for safety test BQs	'06
2.187,50	9HAO7	vessel TK Rotterdam (MLT)	2140	GMDSS	RQs Ankara Radio/TAH for a safety test	'05
2.187,50	9HO07	vessel Attrany (MLT)	2214	DSC	test REQ for safety to Lyngby Radio	'07
2.187,50	9HOP7	vessel Kuzbass (MLT)	1931	GMDSS	RQs Lyngby Radio/OXZ for safety test	'05
2.187,50	9HQT5	vessel Striggla (MLT)	2005	GMDSS	RQS Lyngby Radio/OXZ for safety test	'06
2.187,50	9VMG7	vessel Far Strait (SGP)	2338	DSC	with test REQ safety to Cyprus Radio	'07
2.187,50	9VPD	vessel Maritime Master (SGP)	2054	DSC	RQs MRCC Tarifa/ Almeria for safety test	'06
2.187,50	A8AU5	vessel Peneda (LIB)	2049	GMDSS	RQs MRSC Palermo/IPP for routine safety test	'05
2.187,50	A8JD	vessel Sedco 704 (LIB)	1832	DSC	Safety test with Shetland Coastguard Scotland	'07
2.187,50	BOJF	vessel Ying He Hai (PRC)	2132	DSC	RQs Lyngby Radio/OXZ Denmark for safety test OXZ BQs	'06
2.187,50	BORD	vessel Tian Li Shan-PR (CHN)	2311	DSC	with test REQ for safety to Hellenic CG	'07
2.187,50	C6BW6	vessel New Zealand Reefer (BHS)	2016	GMDSS	RQs Lyngby Radio/OXZ for safety test OXZ BQs test	'05
2.187,50	C6KA7	vessel Toisa Petrel (BHS)	1925	GMDSS	RQs sister ship Toisa Puffin/C6KA8	'05
2.187,50	C6MQ8	vessel Crescence (BHS)	2312	GMDSS	RQs Oostende Radio/OST for a safety test	'05
2.187,50	C6NE7	vessel Westminster (BHS)	0256	GMDSS/USB	wkng Samsun Radio, TUR for safety purpose	'04
2.187,50	C6PX5	vessel Havila Sea (BHS)	2114	GMDSS	RQs British ship Viking Crusader/MNUY2	'05
2.187,50	C6QJ4	vessel Ferro (BHS)	2211	GMDSS	wkng Lyngby Radio for test	'05

2.187,50	C6TX	vessel Baltic Sea (BHS)	1930	GMDSS	RQs Albemarle Island/C6LU3	'06
2.187,50	C6XP3	vessel Havila Searcher (BHS)	2052	DSC	clg sister ship Havila Sun-C6XP4 3350 kHz	'08
2.187,50	CNGX	vessel Al Mounir (MRC)	2042	GMDSS	RQs unknown vessel 242047000 2200 kHz	'04
2.187,50	CRXF	vessel Songo (MDR)	0003	DSC	with test REQ safety to Palermo Radio	'07
2.187,50	DAJL	vessel Hansa Calypso (DEU)	2109	DSC	Safety RQ to Lyngby Radio-OXZ	'08
2.187,50	DDNW	vessel Aurelia (DEU)	2321	DSC	with test REQ safety to Lyngby Radio	'07
2.187,50	DDPU	vessel Hornisse (DEU)	2338	DSC	with test REQ safety to Holyhead CG	'07
2.187,50	DEDM	vessel London Senator (DEU)	1928	GMDSS	RQs MRCC Valencia/Almeria for safety test	'05
2.187,50	DIAL	vessel Oceanic (DEU)	1921	DSC	RQs Lyngby Radio/OXZ.Safety OXZ BQs	'06
2.187,50	DICP	vessel German Ship Cap (POL)	1844	GMDSS	RQs Lyngby Radio/OXZ for a safety test OXZ BQs	'05
2.187,50	DPSQ	vessel Hanjin Cairo (DEU)	2036	GMDSS	CQs all ships with EOS call giving freq. 2187,50 kHz	'05
2.187,50	E5751	Irish Fishing vessel Karen Rose	1950	GMDSS	RQs IFV Rachel Marie/EI6904 for a chat on 3450 kHz	'05
2.187,50	EAL	Las Palmas CCR, CNR	2303	DSC	with test REQ for safety to Las Palmas CCR	'07
2.187,50	EAS	MRCC Bilbao, ESP	2055	GMDSS	CQ all ships for MIB voice bcst on 2182 kHz	'05
2.187,50	EASG	vessel OPDR Cartagena (ESP)	2114	GMDSS	RQs MRSC Finisterre/Coruña for safety test MRSC BQs	'05
2.187,50	EBRJ	vessel Banquero (ESP)	2043	GMDSS	RQs Paula G/EAAO 6666 kHz	'05
2.187,50	ECA6	MRCC Madrid, ESP	1934	DSC	Preliminary call for weather/MIB bcst on 2182 kHz	'06
2.187,50	ECDI	vessel Ramon Llull (ESP)	1825	DSC	RQs MRCC Madrid/ECC6 for safety test	'06
2.187,50	ECY6	MRCC Las Palmas, CNR	1903	DSC	Preliminary call for MIB/weather broadcast on 2182 kHz	'06
2.187,50	ECY6	Las Palmas CCR, CNR	0154	DSC	with test ACK for distress to African Fern/ELAS9	'07
2.187,50	EHET	vessel Ciudad de Burgos (ESP)	2008	DSC	RQs Lyngby Radio/OXZ Denmark Safety OXZ BQs	'06
2.187,50	EI4835	Irish Fishing vessel Tannetje	2226	GMDSS	RQs IFV Golden Feather/EI6008	'05
2.187,50	EI5775	Irish Fishing vessel Ardent	2100	GMDSS	RQs IFV Ocean Venture/EI7632 on 5217.8/5662,10 kHz	'05
2.187,50	EI5777	Irish Fishing vessel Cu na Mara Sea Dog	1943	GMDSS	RQs IFV Aine Christina/EI6227 on 3215/2145 kHz	'05
2.187,50	EI5940	Irish Fishing vessel Brian Eoin	1932	GMDSS	RQs IFV Sceptre/EI6041 6543,20 kHz	'05
2.187,50	EI5954	Irish Fishing vessel Deborah M	2251	GMDSS	RQs unlisted IFV 250000167 for telephone conversation	'05
2.187,50	EI6008	Irish Fishing vessel Golden Feather	1822	GMDSS	RQs IFV Atlantic Fisher/ EI6277	'05
2.187,50	EI6227	Irish Fishing vessel Aine Christina	2009	GMDSS	RQs unknown Irish vessel MMSI 250108400	'05
2.187,50	EI6277	Irish Fishing vessel Atlantic Fisher	1956	GMDSS	RQs IFV Golden Feather/EI6008 on 3020/2030 kHz Regulars	'05
2.187,50	EI7396	Irish Fishing vessel Cisemair	1918	GMDSS	RQs IFV Ardent/EI5775 on 5321.6/ 5324,30 kHz	'05
2.187,50	EI7397	Irish Fishing vessel Boy Jason	1911	GMDSS	RQs IFV Cisemair/EI7396 3432,50 kHz Cisemair BQs	'05
2.187,50	EIDX	vessel Isle of Inishmore, IRL	2049	GMDSS	RQs MRSC Milford Haven Wales for safety test	'05
2.187,50	EIGB	vessel Celtic Explorer (IRL)	2022	GMDSS	RQs MRSC Valentia/EJK for safety test Valentia BQs	'05
2.187,50	EIGD	vessel Arklow Roque (IRL)	1526	DSC	Clg MRSC Humber	'07
2.187,50	EIGW	vessel Arklow River (IRL)	2121	GMDSS	RQs Lyngby Radio Denmark for a safety check OXZ BQs	'05
2.187,50	EIQP	vessel Arklow Willow, IRL	1956	DSC	Safety checkwith MRSC Coruña who BQs	'06
2.187,50	EJM	MRSC Malin Head, IRL	2104	GMDSS	Relays an illegal undesignated distress msg	'05
2.187,50	ELLC9	vessel Nordic Apollo (LIB)	1937	GMDSS	RQs Lyngby Radio DNK/OXZ for safety test	'05
2.187,50	ELQK7	vessel Friendly Lady (LIB)	2301	GMDSS	RQs Norwegian vessell Bourbon Charisma/LJQY 2048 kHz	'05
2.187,50	ELUB4	vessel Seaway Eagle (LIB)	2020	GMDSS	RQs MRCC Aberdeen Scotland for safety test Aberdeen BQs	'05
2.187,50	ELVE9	vessel Seaway Osprey (LIB)	2156	GMDSS	RQs Rogaland Radio NOR/LFI for a safety test	'05
2.187,50	ELWF5	vessel Arcturus (LIB)	1908	GMDSS	RQs Lyngby Radio/OXZ for a safety test OXZ BQs	'05
2.187,50	ELWH6	vessel Norgas Traveller (LIB)	2136	GMDSS	RQs MRCC Turku/OFK for safety test	'05
2.187,50	ELYC8	vessel Navigator Venus (LBR)	1956	GMDSS	RQs British ship British Endurance for safety test	'05
2.187,50	ESII	vessel Viii (EST)	2045	DSC	Safety call toLyngbyradio who BQs	'06
2.187,50	FMDU	vessel FS Philippine	2217	DSC	Safety RQ to Lyngby Radio/OXZ	'07
2.187,50	FNGP	vessel Scandola (FRA)	1952	DSC	RQs Girolata/FPOD 2177 kHz	'06
2.187,50	FQFD	vessel Cap Saint Georges (FRA)	1931	GMDSS	RQs sister ship Cap Saint Jacques/FNUO 3520 kHz	'05
2.187,50	FRC	Cross Corsen, FRA	0245	DSC	with EOS to all ships for urgency msg	'07
2.187,50	FZQU	vessel CMA CGM Rossini (FRA)	2134	GMDSS	RQs Lyngby Radio for a safety check	'05
2.187,50	GCCP	vessel Activity (GBR)	2108	GMDSS	RQs EJK/MRSC Valentia, IRL for safety test	'05
2.187,50	GCCQ	vessel Alurity, GBR	2034	DSC	Safety RQ to MRCC MilfordHaven Wales who BQs	'06
2.187,50	GCJK	vessel Grampian Falcon (GBR)	2013	GMDSS	RQs MRCC Aberdeen Scotland for safety test Aberdeen BQs	'05
2.187,50	Gclg	vessel Grampian Haven Scotland (GBR)	2131	DSC	RQs Lyngby Radio/OXZ Denmark for safety test OXZ BQs	'06
2.187,50	GCLK	vessel Grampian Sprite (GBR)	2009	GMDSS	RQs Bergen Radio/LGN for safety test LGN BQs	'05
2.187,50	GCLK	vessel Grampian Sprite (GBR)	1925	GMDSS	RQs MRSC Shetland for a safety test Shetland BQs	'05
2.187,50	GCML	Scottish Fisheries vessel Vigilant (GBR)	2033	GMDSS	RQs MRSC Shetland for safety test MRSC BQs	'05
2.187,50	GDNP	vessel Grampion Pioneer (GBR)	2021	DSC	232838000 clg Grampian Frontier rq RT on 3400kHz	'06
2.187,50	GJCR	vessel P&O Ferry Pride of Dover (GBR)	2008	GMDSS	RQs OST/MRCC Oostende for safety test OST BQs	'05
2.187,50	GJCT	vessel Viking Protector (GBR)	2026	DSC	RQs Trafalgar Guardian/MSHF2 3150 kHz 3150 kHz	'06
2.187,50	GJCT	vessel Viking Protector (GBR)	2216	GMDSS	RQs Trafalgar Guardian/MSHF2 3050 kHz	'05

2.187,50	GKZ	UKCG Humber, GBR	2203	DSC	clg BQs unlisted Philippines vessel MMSI 548736000	'06
2.187,50	GWAT	vessel Grampian Cheftain (GBR)	2028	GMDSS	RQs MRCC Aberdeen for safety test	'05
2.187,50	GXUW	vessel Sun London (GBR)	2252	DSC	Safety RQ to MRCC Capetown/ZSC	'08
2.187,50	GXVR	vessel Putford Guardian (GBR)	2015	GMDSS	RQs Lyngby Radio/OXZ for routine test Lyngby BQs	'05
2.187,50	GZKG	vessel Nova (GBR)	0141	DSC	with ACK routine to MXHP7/Putford Apollo-UK	'07
2.187,50	H3SN	vessel Gullholm (PAN)	1914	GMDSS	BQs MRCC Stavanger/LFI for safety test	'06
2.187,50	H8DY	vessel Silver Sapphire Inc	2006	GMDSS	RQs MRCC Stavanger via Bergen Radio for safety test	'05
2.187,50	H8EW	vessel Armonia Panamanian Flag,IW	1927	DSC	Safety check with ECY6/MRCC Las Palmas	'06
2.187,50	H8PA	vessel MSC Stella I (PAN)	1959	GMDSS	RQs Panamanian-flagged vessel Socrates I/3FYY5 4120 kHz	'05
2.187,50	H9CC	vessel IVS Kwaito (PAN)	2107	GMDSS	RQs Dea Ranger/MWJZ5 GB for safety check	'05
2.187,50	H9GU	vessel Kopalnia Zofiowka (PAN)	1839	GMDSS	RQs Cross Corsen/FRC France for a safety test	'05
2.187,50	HO3669	vessel Charolasis Express (PAN)	2045	GMDSS	RQs safety test from MRCC Finisterre Spain/EAF	'05
2.187,50	HOGR	vessel Mol Progress (PAN)	2050	DSC	RQs Cross Corsen France for security check	'06
2.187,50	HPND	vessel Atlantic Princess (Panama)	2147	DSC	Safety RQ to MRCC Falmouth Cornwall	'07
2.187,50	HZH	RCC Jeddah, ARS	0315	DSC	Apparent relay of alleged distress msg from HQTT9	'07
2.187,50	IPP	Palermo Radio, ITA	2232	DSC	with test ACK for safety to 247056400	'07
2.187,50	J8B2507	vessel Superferry (VCT)	2129	GMDSS	RQs Lyngby Radio/OXZ for a safety test OXZ responds	'05
2.187,50	J8B3041	vessel Miktat-N (VCT)	2010	GMDSS	RQs MRCC Falmouth Cornwall for safety test MRCC BQs	'05
2.187,50	J9XZ7	vessel Lara St Vincent	1838	GMDSS	RQs MRCC Forth Scotland for safety test	'05
2.187,50	KRLZ	vessel Sealand Atlantic (USA)	2159	GMDSS	Sends self-addressed safety msg	'05
2.187,50	LAGE6	vessel Arctic Princess,NOR	1839	DSC	RQs MRCC Valencia for safety test MRCC BQs	'06
2.187,50	LAJCS	vessel Sten Odin (NOR)	2233	DSC	RQs MRCC Shetland for safety check	'06
2.187,50	LAJF5	vessel Finnstraum (NOR)	2017	GMDSS	BQs MRCC Falmouth Cornwall for safety test Falmouth BQs	'05
2.187,50	LAOR4	vessel Fosna (NOR)	2041	GMDSS	RQs Floro Radio Norway/LGL for safety test	'04
2.187,50	LAQO4	vessel Sibonina (NOR)	2315	DSC	with test REQ safety to Lyngby Radio	'07
2.187,50	LAXN5	vessel Hual Transit (NOR)	2044	GMDSS	RQs MRCC Valencia/Almeria, ESP for safety test MRCC BQs	'05
2.187,50	LAYD4	vessel Trans Vik (NOR)	2219	GMDSS	RQs MRCC Riejka Croatia/9AR for a safety test	'05
2.187,50	LFI	Rogaland Radio, NOR	1943	GMDSS	Geographic SELCAL for area	'05
2.187,50	LGT	Tjome Radio/MRCC Stavanger, NOR	2202	DSC	Preliminary call for MIB/weather on 1665 and 2090 kHz	'06
2.187,50	LGT	MRCC Stavanger, NOR	1945	GMDSS	RQs MRCC Aarhus/Lyngby Radio/OXZ for a safety test	'05
2.187,50	LHAE3	vessel Lys Skog (NOR)	2310	DSC	Safety RQ to Dover Coastguard England	'07
2.187,50	LHDO	vessel Lafjord (NOR)	2121	GMDSS	RQs Rogaland Radio/LFI for safety test	'05
2.187,50	LKYK	vessel Aqua-Boy, NOR	2130	DSC	Safety RQ to Rogaland Radio/LFI	'06
2.187,50	LLME	vessel Kornj (NOR)	1933	GMDSS	RQs Rogaland Radio/LFI for routine test	'05
2.187,50	LLRI3	vessel Ronj Skye (NOR)	1940	GMDSS	RQs Lyngby Radio/OXZ Denmark for safety test	'06
2.187,50	LPL	Floroe Radio, NOR	0018	DSC	with test REQ safety to Floroe Radio	'07
2.187,50	LXAI	vessel Aurelia (LUX)	2255	GMDSS	RQs Lyngby Radio/OXZ for safety test Lyngby BQs	'05
2.187,50	LXAL	vessel Kersaint (LUX)	2056	GMDSS	RQs MRCC Riga/YLQ for a safety test YLQ BQs	'05
2.187,50	LXCZ	vessel Cymbeline (LUX)	2040	GMDSS	RQs RCC Den Helder/PBC for safety test	'04
2.187,50	LXMS	vessel Melusine (LUX)	2028	GMDSS	RQs MRCC Humber/GKZ for safety test	'05
2.187,50	LYAG	vessel Kaunas (LTU)	1951	GMDSS	RQs Lyngby Radio/OXZ for routine test	'05
2.187,50	LYJD	vessel Asta (LTU)	2210	GMDSS	RQs Lyngby Radio/OXZ for a safety test	'05
2.187,50	LYRC	vessel Lisco Patria (LTU)	2126	DSC	Safety test to Lyngby Radio/OXZ	'06
2.187,50	LZW	Warna Radio, BUL	1855	DSC	Sends all ships call for MIB/wx bcst on 3740 kHz	'06
2.187,50	LZW	Varna Radio, BUL	0209	DSC	with REQ safety to Varna Radio	'07
2.187,50	LZW	MRCC Varna, BUL	0304	DSC	Test	'05
2.187,50	MASH6	vessel Minna (GBR)	1934	GMDSS	RQs Lyngby Radio/OXZ for a safety test	'05
2.187,50	MCGF5	vessel Alter Ego (GBR)	2208	GMDSS	RQs ECA6/MRCC Madrid for a safety test	'05
2.187,50	MCNJ7	vessel Red Fern (GBR)	2055	RQs	Coruña Radio for a safety test Coruña BQs	'05
2.187,50	MCXD5	vessel City of Oporto (GBR)	2242	GMDSS	RQs MRCC Falmouth Cornwall for safety test	'05
2.187,50	MDGD2	vessel Gerd Knutsen (GBR)	2009	GMDSS	RQs Lyngby Radio for safety test Lyngby BQs	'05
2.187,50	MDNQ2	vessel Onyva (GBR)	2103	GMDSS	RQs Falmouth Coastguard GB for safety test	'05
2.187,50	MFCZ7	vessel Siri Knutsen (GBR)	2015	GMDSS	RQs JRCC Den Helder/PBK for safety test PBK BQs	'05
2.187,50	MGQL2	vessel Bremen Max (GBR)	0026	DSC	with test REQ safety to MRCC Finisterre	'07
2.187,50	MHTN4	vessel Havila Tern (GBR)	2114	DSC	Req. simplex telephone conversation with sister ship	'06
2.187,50	MJAR3	vessel UKD Dolphin (GBR)	2154	DSC	Safety RQ to Holyhead Coastguard/GLV	'07
2.187,50	MJVC7	vessel Euro Skye (GBR)	2243	DSC	Safety RQ to MRCC Turku/OFK, FIN	'08
2.187,50	MKCH7	vessel Grampian Monarch (GBR)	2050	GMDSS	RQs Rogaland Radio, NOR for safety test	'05
2.187,50	MKHG4	vessel Grampian Star (GBR)	2054	GMDSS	RQs sister ship Grampian Falcon/GCJK 2850 kHz	'04
2.187,50	MKQP5	vessel Grampian Conquest (GBR)	0220	DSC	with test REQ safety to Shetland CG	'07
2.187,50	MLDJ9	vessel Putford Achatas (GBR)	2036	GMDSS	RQs MRCC Oostende for safety check followed by vessel	'05

2.187,50	MLHC2	vessel Aberdonian (GBR)	2117	GMDSS	RQs Dea Ranger/MWJZ5 for telephone conversation	'05
2.187,50	MLLR9	vessel Viking Challenger (GBR)	2216	GMDSS	RQs sister ship Viking Piper/ MPML7	'05
2.187,50	MMLC4	vessel Far Stream (GBR)	2045	DSC	Safety RQ to Lyngby Radio/OXZ	'06
2.187,50	MMSI 248000000	Unlisted Maltese-flagged vessel	2133	DSC	RQs Klaipeda Rescue Centre for a safety test	'05
2.187,50	MMSI 468242000	Unlisted vessel (SYR)	0534	DSC	with ACK test or safety to Istanbul	'07
2.187,50	MMSI-250292000	Unlisted Irish vessel	2057	DSC	clg fishing vessel Atlantic Fisher-EI6277	'08
2.187,50	MMSI-256069	Unlisted Maltese-Flagged vessel	1925	DSC	RQs Telco Reliever/A8AE8 Liberian Flag	'06
2.187,50	MNUY2	vessel Viking Crusader (GBR)	1902	GMDSS	RQs sister ship Viking Vedette/ MPMM7	'05
2.187,50	MPBF4	vessel Grampian Orcades (GBR)	1921	GMDSS	RQs MRCC Shetland for safety test MRCC BQs	'05
2.187,50	MPJZ9	vessel Grampain Fame (GBR)	2108	GMDSS	RQs sister ship Grampian Falcon/GCJK	'05
2.187,50	MPJZ9	vessel Grampian Fame (GBR)	1930	GMDSS	RQs MRSC Shetland for safety test Shetland BQs	'05
2.187,50	MPML7	vessel Viking Piper (GBR)	2150	GMDSS	clg Lyngby Radio/OXZ for safety test	'05
2.187,50	MPPH5	vessel Grampian Hunter (GBR)	2040	GMDSS	RQs MRCC Aberdeen for safety check MRCC BQs	'05
2.187,50	MQSQ9	vessel Pride of Burgundy (GBR)	1905	GMDSS	RQs OST/MRCC Oostende for safety check	'05
2.187,50	MQSW9	vessel Putford Artemis (GBR)	1924	GMDSS	RQs MRCC Oostende/OST for safety test OST BQs	'05
2.187,50	MTKM5	vessel Dea Pilot (GBR)	2025	GMDSS	BQs Sister ship Dea Ranger with undecoded telecommands	'05
2.187,50	MTKM5	vessel Dea Pilot (GBR)	1929	GMDSS	RQs Bahamas-flagged vessel Toisa Petrel/C6KA7 1755 kHz	'05
2.187,50	MVfy8	vessel Highland Piper Scotland (GBR)	1833	GMDSS	RQs Lygby Radio/OXZ for safety test	'05
2.187,50	MWHU6	vessel SAF Marine Europe	2012	GMDSS	RQs MRCC Finisterre/EAF for saftey test	'05
2.187,50	MWJZ5	vessel Dea Ranger (GBR)	2006	GMDSS	RQs Bahamas-flagged vessel Toisa Plover/C6KQ7	'05
2.187,50	MWQB7	vessel Grampian Frontier (GBR)	2013	GMDSS	RQs sister ship Grampian Pioneer/ GDNP f	'05
2.187,50	MYJD2	vessel Highland Spirit-Scotland (GBR)	2104	DSC	Safety RQ to Lyngby Radio-OXZ	'08
2.187,50	MYUC6	vessel Ettrick (GBR)	2155	GMDSS	clg Cross Jobourg for a safety test	'05
2.187,50	NMA	USCG Miami, USA	0502	DSC 100/170		'06
2.187,50	NMF	USCG Boston, USA	0529	DSC 100/170	test	'06
2.187,50	OITR	vessel Tervi (FIN)	1938	GMDSS	RQs Rogaland Radio NOR/LFI for safety test LFI BQs	'05
2.187,50	OIXX	vessel Link Star (FIN)	2045	GMDSS	RQs MSRC Holyhead Wales for safety test	'04
2.187,50	OIZB	vessel Najaden (FIN)	2209	GMDSS	RQs Lyngby Radio/OXZ for a safety test	'05
2.187,50	OJKD	vessel Tempera (FIN)	1927	GMDSS	RQs Lyngby Radio /OXZ for safety test	'05
2.187,50	OJKZ	vessel Suula (FIN)	2000	DSC	Safety test with MRCC Turku who BQs	'06
2.187,50	OST	MRCC Oostende, BEL	1949	GMDSS	BQs safety test from P&O ferry Pride of Canterbury	'05
2.187,50	OST	Oostende Radio, BEL	1932	GMDSS	Unable to comply telecommand for 2761 kHz	'05
2.187,50	OYHU2	vessel Torm Mary (DNK)	2036	GMDSS	RQs sister ship Torm Gertrud/OUNL2	'05
2.187,50	OULY2	vessel Urd (DNK)	2005	GMDSS	RQs Lyngby Radio for a safety test OXZ BQs	'05
2.187,50	OXTN2	vessel Maersk Fetcher (DNK)	2138	DSC	Safety RQ to Aberdeen Coastguard Scotland	'06
2.187,50	P3MN8	vessel Frio London (CYP)	1955	GMDSS	RQs Rogaland Radio NOR/LFI for safety test LFI BQs	'05
2.187,50	P3TW9	vessel Wilson Hook (PAN)	2101	GMDSS	RQs MRCC Ostende/OST for a safety check OST BQs	'05
2.187,50	P3UY9	vessel Pontoklydon (CYP)	2013	DSC	RQs JRCC Pireaus via Aspropirgos Attikis Greece	'06
2.187,50	P3VW9	vessel Sparto (CYP)	1953	GMDSS	RQs Swedish ship Stena Saga/SLVH for safety test ?	'05
2.187,50	P3WM9	vessel ICARUS III (CYP)	0140	GMDSS/USB	wkng Lyngby Radio for safety purpose	'04
2.187,50	PBK	Den Helder JRCC, NLD	2053	GMDSS	CQs all ships for voice MIB/Wx bcast on 3673 kHz	'05
2.187,50	PBLL	vessel Bro Gratitude (GBR)	1522	DSC	Clg MRSC Holyhead	'07
2.187,50	PGMB	vessel Olga	2323	DSC	MMSI 245332000 Test call to Corsen MRCC	'07
2.187,50	PHCZ	vessel OOCL St Petersburg (NLD)	2006	DSC	RQs Lyngby Radio/OXZ for a safety test OXZ BQs	'06
2.187,50	PHFL	vessel Timca (NLD)	0227	DSC	with test REQ safety to Lyngby Radio	'07
2.187,50	PHFU	vessel Riynstroom (NLD)	1927	GMDSS	RQs sister ship Amstelstroom/PIAS 2391 kHz	'05
2.187,50	PHMN	vessel Viking Diep (NLD)	2307	DSC	Undef. category msg to unlisted Algerian authority	'08
2.187,50	PJAI	vessel Bleo Holm (NLD)	2000	GMDSS	RQs Rogaland Radio/LFI for routine test	'05
2.187,50	PJKO	vessel Marc-Andre (ANT)	1924	DSC	RQs Netherlands Coastguard Radio/PBK Test	'06
2.187,50	PJOO	vessel Visten (ATN)	2149	GMDSS	MRCC Gydinya/SPO for a safety check	'05
2.187,50	PKHD	vessel Genca (NLD)	2142	DSC	Safety RQ to MRCC Turku Finland-OFK	'08
2.187,50	S6QS7	vessel Alam Makmur (SGP)	1842	GMDSS	RQs Lyngby Radio/OXZ for safety test OXZ BQs	'05
2.187,50	SAB	MRCC Göteborg, SWE	1932	GMDSS	All ships call for voice broadcast on 2182 kHz	'05
2.187,50	SAB	Göteborg Radio, SWE	0221	DSC	with test ACK for safety to 235008920	'07
2.187,50	SFHR	vessel Djaerv (SWE)	1903	DSC	Safety call to Lyngby Radio/OXZ Denmark	'06
2.187,50	SHUX	vessel Bro Provider (SWE)	2044	DSC	Safety RQ to Lyngby Radio/OXZ Denmark who BQs	'06
2.187,50	SKDR	vessel Bituma (SWE)	1905	GMDSS	RQs MRCC Aberdeen Scotland for a safety test	'05
2.187,50	SKDR	vessel Bituma (SWE)	1847	GMDSS	RQs Göteborg Radio/SAB for a safety test SAB BQs	'05
2.187,50	SPS	Witowo Radio, POL	0732	GMDSS/USB	with All ships info J3E phone QRG 02720,00	'04
2.187,50	SUDF	vessel "EDCO" (EGY)	2214	GMDSS	RQs MRCC Valencia/Almeria, ESP for a safety test	'05
2.187,50	SUH	SAR Centre Cairo, EGY	2300	DSC	Safety BQ to Ocean Favour/ VRWM5-PRC	'08

2.187,50	SVO	Piraeus JRCC, GRC	2149	DSC	Sends geographical call	'06
2.187,50	SVO	Olympia Radio Athens, GRC	2003	GMDSS	Geographical area selcall for 2799/2134 kHz	'05
2.187,50	SXHS	vessel Anna L.K (GRC)	2125	GMDSS	RQs JRCC Piraeus via SVO/Olympia Radio for safety test	'05
2.187,50	SXVC	vessel Agean Dignity, GRC	1756	GMDSS	RQs MRCC Falmouth UK for safety test	'05
2.187,50	SYVO	vessel Metaxiata (GRC)	2020	GMDSS	RQs JRCC Den Helder/PBK for safety test	'05
2.187,50	TAH	Istanbul Radio, TUR	1956	DSC	BQs Mull/HOKF Panama flag for safety test	'06
2.187,50	TAH	MRCC Ankara, TUR	2118	DSC	Safety BQ to ZorerKardesler/TCBC6 Turkey	'06
2.187,50	TCOG6	vessel Anatolia Sea, TUR	0056	DSC	with test REQ safety to Olympia Radio	'07
2.187,50	TCPL	vessel Paksoy-I (TUR)	2027	DSC	RQs MRCC Ankara/TAH for safety test	'06
2.187,50	TFA	MRCC Coastal/Oceanic, ISL	2004	GMDSS	All ships CQ for voice bcast on 2182 kHz	'05
2.187,50	TFA	Reykjavik MRCC, ISL	2007	GMDSS	issues geographical selcal	'05
2.187,50	UAEH	vessel Keret (RUS)	2144	DSC	RQs Lyngby Radio/OXZ Denmark for safety test OXZ BQs	'06
2.187,50	UAOV	vessel Volgo Don 5105 (RUS)	2304	DSC	Safety RQ to Ankara Radio TAH	'07
2.187,50	UATB	vessel Kapitan Naumov (RUS)	2208	GMDSS	RQs Lyngby Radio/OXZ for a safety test	'05
2.187,50	UAUZ	vessel Lezhevo (RUS)	2007	DSC	Safety check with MSRC Søndby/Helsinki	'06
2.187,50	UAUZ	vessel Lezhevo (RUS)	2007	DSC	Safety check with MSRC Søndby/Helsinki	'06
2.187,50	UAVH	vessel Victor Mironov (RUS)	1910	GMDSS	RQs Lyngby Radio/OXZ for safety test	'05
2.187,50	UCE	MRSC Arkhangelsk, RUS	1813	GMDSS	CQ all ships preliminary call for voice bcast	'05
2.187,50	UCJI	vessel Kandalaksha (RUS)	2133	GMDSS	RQs Lyngby Radio/OXZ for safety test Lyngby BQs	'05
2.187,50	UCPE	vessel Pioneer Litvy (RUS)	1957	GMDSS	RQs Lyngby Radio/OXZ for safety test OXZ BQs	'04
2.187,50	UCQV	vessel Elektron (RUS)	1926	GMDSS	RQs fellow Russian Andrei Pashkov/UCUP 3215 kHz	'05
2.187,50	UCRD	vessel Alexsy Maryshev, RUS	1954	GMDSS	RQs Lyngby Radio/OXZ for a safety test	'05
2.187,50	UCUJ	vessel Verkhovina (RUS)	2009	GMDSS	RQs Russian ship Dovsk/UAVJ 2045 kHz	'05
2.187,50	UDK	Novorossiysk Radio, RUS	2137	DSC	Preliminary call for F3E/G3E ??	'06
2.187,50	UDKS	vessel Kapitan Edemskiy (RUS)	1931	GMDSS	RQs OXJ/MRCC Thorshaven for safety test Thorshaven BQs	'05
2.187,50	UDWB	vessel Zevezda Rybaka (RUS)	2106	GMDSS	RQs sister vessel Zevezda Udachi/UDRL 2343,50 kHz	'05
2.187,50	UEVA	vessel Volga Don-5021 (RUS)	1956	GMDSS	RQs garbled MRSC 00237000 for safety check	'04
2.187,50	UFN	MRCC Novorossiysk, RUS	2050	DSC	Routine test transmission	'08
2.187,50	UFN	RCC Novorossiysk, RUS	2049	GMDSS	Preliminary call for voice broadcast on 2182 kHz	'05
2.187,50	UFN	Novorossiysk Radio, RUS	2141	GMDSS	clg itself for safety test MRCC Bilbao/EAS	'05
2.187,50	UFRT	vessel Baltyskiy (RUS)	2231	DSC	Safety RQ to MRCC Novorossiysk/UFN	'08
2.187,50	UGVO	vessel Iuksporit (RUS)	1918	DSC	Requests duplex tel. conversation with Zadonets/UBCG	'06
2.187,50	UIW	MRSC Kaliningrad, RUS	1947	DSC	BQs Nijnevolzhskii/UFFF 4390 kHz ?	'06
2.187,50	UIWY	vessel Omskiy-135 (RUS)	2200	DSC	Safety RQ to MRCC Ankara via TAH/Ankara Radio	'07
2.187,50	URMK	vessel T.G Shevchenko (UKR)	2107	GMDSS	RQs Odessa Radio/UTT for a duplex telephone call	'05
2.187,50	UYAE	vessel Dnepr-1 (UKR)	1918	GMDSS	RQs 5BA/RCC Larnaca for safety test	'05
2.187,50	V2AM7	vessel Emma (ATG)	2323	DSC	Safety RQ to Falmouth Coastguard Cornwall	'07
2.187,50	V2BI8	vessel Lys Point (ATG)	1943	GMDSS	RQs safety check with Netherlands CG Radio/PBK	'06
2.187,50	V3XA	vessel San Diego	0205	DSC	Distress call MMSI 312442000 Undesignated	'07
2.187,50	V7DW4	vessel George H Galloway (MHL)	1942	GMDSS	RQs Panamanian ship Beatrice I/ H3VZ 4180 kHz	'05
2.187,50	V7DW4	vessel George H Galloway (MHL)	1922	GMDSS	clg unlisted authority MMSI 636000000	'05
2.187,50	V7GD3	vessel Mistral	0417	DSC	Distress call three bursts MMSI 538002074	'07
2.187,50	V7IX7	vessel Kasif Kalkavan	2152	DSC	RQs Istanbul Radio/TAH for safety check	'06
2.187,50	V7LE7	vessel Kerem D (MHL)	2307	DSC	Safety RQ to Lyngby Radio/OXZ	'07
2.187,50	VQBR7	vessel Anvil Point (GBR)	2226	GMDSS	RQs Lyngby Radio/OXZ for safety test.OXZ BQs	'05
2.187,50	VQCV3	vessel Gas Pioneer (GBR)	1920	GMDSS	RQs MRSC Milford Haven Wales for safety test	'05
2.187,50	VQEF6	vessel Jan Fabian (GBR)	2028	GMDSS	RQs Cross Corsen for a telephone conversation	'05
2.187,50	VQIE6	vessel Grampian Explorer (GBR)	2146	GMDSS	RQd Aberdeen CG for safety test Aberdeen BQd	'05
2.187,50	VQJO3	vessel Betsy S (GBR)	2053	GMDSS	RQs Valentia Radio/EJK for a safety test	'05
2.187,50	VQLA5	vessel Highland Valour (GBR)	2012	GMDSS	RQs Netherlands CG Radio/PBK for safety test	'05
2.187,50	VQPX7	vessel Whitchampion (GBR)	2020	GMDSS	RQs MRCC Falmouth Cornwall for safety test	'05
2.187,50	VRBI2	vessel CSCL Oceania (HKG)	0206	DSC	with test REQ for safety to COMMSTA Kodiak	'07
2.187,50	VRYT8	vessel Great Concorde (PRC)	2019	GMDSS	RQs MRCC Clyde Scotland for safety test	'05
2.187,50	VRYX3	vessel Unique Privelege (PRC)	2130	GMDSS	RQs Cross Corsen France/FRC for safety check	'05
2.187,50	VRZJ8	vessel Ocean Dragon (PRC)	1853	GMDSS	RQs ECA6/MRCC Madrid for safety test	'05
2.187,50	VRZM9	vessel Ship Darma Yog (PRC)	2005	GMDSS	RQs Lyngby Radio/OXZ for safety test	'05
2.187,50	VSPR3	vessel Finpulp (GBR)	2211	GMDSS	RQs MRCC Stockholm/SDJ for safety test	'05
2.187,50	VSPW9	vessel Anna C (GBR)	1948	GMDSS	RQs Lyngby Radio/OXZ for safety test OXZ BQs	'05
2.187,50	VSRH4	vessel Hascosay (GBR)	2127	GMDSS	RQs MRCC Aberdeen Scotland for a safety check	'05
2.187,50	WAAH	vessel Sealand Motivator (USA)	2100	GMDSS	Routine self-addressed RQ ??	'05
2.187,50	XUDX7	vessel DIMITRIS (KHM)	0212	GMDSS/USB	wkng Turku Radio for safety purpose	'04

2.187,50	YJRK6	vessel Burgundia Vanautu	2109	GMDSS	clg Irish fishing vessel Aine Christina EI6227	'05
2.187,50	YJSJ5	vessel Art Carlson (VUT)	2147	GMDSS	RQs MRCC Tenerife/Las Palmas for safety test	'05
2.187,50	YL2247	vessel Vega (LTU)	2304	DSC	Undefined category msg to MRCC Tallinn	'08
2.187,50	YLBK	vessel Baltic Kristina (LTU)	2110	GMDSS	RQs Riga Rescue Radio/YLQ for a safety test	'05
2.187,50	ZCNE2	vessel Stolt Hikawa (CYM)	0532	DSC	with REQ test for safety to Falmouth CG	'07
2.187,50	ZCOW8	vessel Caledonian Vigilance (CYM)	2220	DSC	Safety RQ to Rogaland Radio/LFI	'07
2.187,50	ZDEK2	vessel Bremer Saturn (GBR)	2244	GMDSS	RQs Lyngby Radio/OXZ for safety test Lyngby BQs	'05
2.187,50	ZDEO3	vessel Anke Angela,GBR	2140	DSC	Safety RQ to Lyngby Radio Denmark-OXZ	'08
2.187,50	ZDFQ3	vessel Mirva (GIB)	2309	GMDSS	RQs Lyngby Radio/OXZ for a safety test Oostende BQs	'05
2.187,50	ZDFW5	vessel Willy (GIB)	2009	GMDSS	RQs JRCC Den Helder/PBK for safety test	'05
2.187,50	ZDPF3	vessel Baltic Sailor (GIB)	2307	GMDSS	RQs Lyngby Radio/OXZ for safety test	'05
2.187,50	ZIRM6	vessel British Endeavour GB	1855	GMDSS	RQs MRCC Falmouth GB for safety check	'05
2.187,50	ZIXM8	vessel British Endurance (GB)	1929	DSC	RQs Netherlands Coastguard Radio/PBK Safety PBK BQs	'06
2.187,50	ZIZP9	vessel Contship Aurora (GBR)	1900	GMDSS	RQ MRCC Falmouth Cornwall for safety test	'05
2.187,50	ZQFV4	vessel BUE Iona (GBR)	2045	DSC	RQs Viking Protector/GJCT GBfor	'06
2.187,50	ZQSD5	vessel Global Producer III (GBR)	1951	DSC	Safety RQ to MRCC Thorshaven Faroes	'08
2.199,00	BP24	Bundespolizei boot 26 "Bad Bramstedt"	2215	MIL.STD 188-141A snd	on German Police Net 2199 and 2151,50 kHz	'08
2.199,00	E2	radio buoy	2212	CW	marker	'05
2.199,00	XSS	NATO NC3A/NATO Net Europe Casteau?	1953	MIL.STD 188-141A snd		'06
2.200,00	---	unid rus Military, RUS	2108	USB	russian voice cipher tfc with fsk synch always twice	'06
2.201,00	VMC	Charville, CAN	1046	USB	AUS wx East with NSW and Victorian coastal reports	'05
2.205,20	---	unid station	0636	2FSK/F1B/300/850 ACF=0	ciphered	'05
2.207,20	---	unid Military	2315	STANAG-4285/USB	tfc in cipher	'08
2.210,80	AQ02	prob. fishnet buoy	0344	CW	Continuous ID w/ long dash	'06
2.211,50	---	unid	1734	USB	tfc RUS ??	'08
2.212,00	---	unid Military	1934	NATO-100 100/850	tfc in cipher	'08
2.212,00	ALR	AO&G Ali Bel Rida, ALG	0112	MIL.STD 188-141A snd		'08
2.212,00	HAMRA	AO&G Hamra, ALG	1949	MIL.STD 188-141A snd	2045,2146,2354	'08
2.212,00	HR	AO&G Hassi R'Mel, ALG	1935	MIL.STD 188-141A snd	2045	'08
2.212,50	FAV22	CSTEI Favieres via Vernon, FRA	2200	CW	Spooky CW Stn M51 NR 90 F 12 23 00 26 1980 BT" 5LGs	'08
2.214,00	---	German Air Force, DEU	2000	ARQ-E 85.8/180 RC=4	Beta's and RQ	'06
2.214,00	---	unid Landes Kriminal Amt, DEU ?	2000	ARQ-E 85.8/180 RC=4	Beta's and RQ	'06
2.215,00	TWLC2	Guardia Civil Cantabria, ESP	2259	MIL.STD 188-141A	clg "TXX1"	'08
2.215,00	TWMA2	Guardia Civil	0413	MIL.STD 188-141A	clg "TXX2" clg "TXX2"	'08
2.215,00	TWVA2	Guardia Civil Avila, ESP	2220	MIL.STD 188-141A	clg "TXX1"	'08
2.215,00	TWVB2	Guardia Civil Burgos, ESP	2252	MIL.STD 188-141A	clg "TYMM2"	'08
2.215,00	TXX1	Guardia Civil Madrid, ESP	2220	MIL.STD 188-141A	clg "TWVA2"	'08
2.215,00	TXX2	Guardia Civil Madrid, ESP	2256	MIL.STD 188-141A	clg "TYMB2"	'08
2.215,00	TYMB2	Guardia Civil Badajoz, ESP	2256	MIL.STD 188-141A	clg "TXX2"	'08
2.215,00	TYMM2	Guardia Civil Madrid, ESP	2252	MIL.STD 188-141A	clg "TWVB2"	'08
2.215,00	TYMR2	Guardia Civil Ciudad Real, ESP	2332	MIL.STD 188-141A	clg "TXX2"	'08
2.216,00	0835	XJP DHFCS Tascomm net	0000	MIL.STD 188-141A	unid with snd to XSS	'07
2.216,00	KEG	unid DHFCS Station	1921	MIL.STD 188-141A	clg XSS who responds via Penhale site	'08
2.216,00	XFT	unid XSS net	1523	MIL.STD 188-141A	clg	'08
2.216,00	XKD	unid DHFCS Station	2147	MIL.STD 188-141A	clg XSS-NCS	'08
2.216,00	XPU	unid UK DHFCS Station	1724	MIL.STD 188-141A	Contacts XSS.	'08
2.216,00	XSS	UK-DHFCS NCS Forest Moor, GBR	0927	MIL.STD 188-141A snd		'08
2.217,30	XSS	UK DHFCS NCS	2232	MIL.STD 188-141A snd	Weak	'07
2.219,00	BP26	Bundespolizei Boot "ESCHWEGE", DEU	0223	MIL.STD 188-141A		'07
2.219,00	LEZSEE	BP-LEZ See Cuxhaven, DEU	1439	MIL.STD 188-141A snd		'06
2.219,50	---	M21 Russian Air Defence/CIS Air Defense ?	1921	CW	Time signal string "?992221??0?????" every minute	'06
2.220,00	---	unid	1935	USB	tfc RUS	'08
2.220,00	---	unid Military	0410	STANAG-4285/USB	tfc in cipher	'08
2.220,00	M21	Russian Air Defence, RUS	2150	CW	chaotic msg lots of "?"- "9458T555 = 99TED A TÖ I94S M	'05
2.224,15	---	unid	2231	FSK/300/180	tfc in cipher	'08
2.225,00	---	unid	2342	CRY-2001/USB	Analogue voice scrambler Male voices	'06
2.226,00	---	UKCG Falmouth, GBR	0723	USB	yl complete wx forecast	'05
2.226,00	---	UKCG Aberdeen, GBR	1930	USB	om naw	'05
2.226,00	GKZ	UKCG Humber, GBR	0747	USB	naws	'05
2.228,00	---	NATO System	2159	LINK-11/2250/ISB	Two channels	'07
2.230,20	---	unid Military	2159	STANAG-4285/USB	tfc in cipher	'08

2.232,00	H8A	French Forces exercice ?	0628	USB	fr/eng c I7K	'07
2.237,00	FAV22	CSTEI Favieres via Vernon, FRA	2343	CW	// 2130,5 'NR 29 T 02 02 36 16 1980 BT MBIHQ'	'08
2.239,00	---	unid CIS Military	2203	81-81 81/200	tfc in cipher	'08
2.239,00	---	unid	0330	STANAG-4285	very low sig No sync	'05
2.239,20	---	unid	0351	STANAG-4285 600L ACF=0		'05
2.240,00	---	unid ship/fishermen ?	2039	USB	danish ? d/x	'05
2.240,00	XSS	UKMILCOM	0811	MIL.STD 188-141A		'07
2.241,20	---	unid Military	2314	STANAG-4285/USB	tfc in cipher	'08
2.243,00	BP26	BP26 "ESCHWEGE", DEU	1822	MIL.STD 188-141A snd		'07
2.243,00	BP26	Bundespolizei Boot "ESCHWEGE", DEU	1823	MIL.STD 188-141A		'07
2.243,00	LEZSEE	BP-LEZ See Cuxhaven, DEU	1837	MIL.STD 188-141A snd		'07
2.243,20	IAIQ	IN aircraft carrier "Giuseppe Garibaldi"	2330	USB/STANAG-4285	wkg IDR (ITN Roma) voice coord for data tfc	'07
2.243,20	IHMO	Italian Navy Minehunter "Alghero"	2351	USB/STANAG-4285	wkg IDR (ITN Roma) voice coord for data tfc	'07
2.244,70	---	unid	2214	SITOR 100/170	tfc TED	'07
2.244,70	DBGZ	unid German CG vessel, DEU	2003	ARQ	shut off with dbgz x 080106 2103 08	'06
2.244,70	DLGZ	BP21 "Bredstedt", DEU	2155	ARQ	moin kollegen benoetige tn fuer fsk mom bitte schoen	'07
2.244,70	DLVK	ZB Hiddensee, DEU	2156	ARQ 20.09.07/0430	pos rpt 0630Z anleger fest 0700z uebergabe 0730	'07
2.244,70	DQZ28	German CG Neustadt in Holstein, DEU	1710	ARQ	answered s/c to PUPP & sx wkg DBGZ Federal Police	'08
2.245,00	TZSC2	prob. Cadiz, ESP	0000	MIL.STD 188-141A	to TXX1 NCS#1 w/replied	'08
2.246,00	---	unid	2038	RTTY 50/170	Two telegrams from Murmansk to unid vessels	'06
2.250,00	---	unid fishermen	2217	CRY-2001/USB	Scrambled Mostly female voice	'05
2.250,00	OWK	RDAF HQ Vedbaek, DNK	1702	MIL.STD 188-141A	clg OWE/FTK Karup	'04
2.250,00	OWP	DAF ? LOC	2033	MIL.STD 188-141A	clg OWE 2344 clng OWI	'06
2.250,50	ZULU X-RAY	US Navy Net	2345	USB	Clg 3 JULIETTE YANKEE	'08
2.252,00	---	unid Military 8GA ?	1951	USB	eng brit trying to contact alligator?	'06
2.252,00	ZUG	Royal Navy vessel	1947	USB	wkg U2I (RN vessel) and B1E (GN vessel) ASuW	'06
2.252,00	ALPHA	MIKE RomeO & others	0231	USB	voice net	'06
2.252,00	GIANT KILLER	Virginia Capes VA US Navy link net	0009	USB		'05
2.252,00	NOVEMBER FOXTROT	unid	0134	USB	wkg OSCAR they call each other	'08
2.252,00	PAPA	unid	0156	USB	wkg OSCAR for Radio check	'08
2.252,00	W4F	unid Military	0241	USB	Other letter-number-letter stations active US Navy?	'06
2.253,00	---	unid	0010	MIL-STD 188-???.USB	tfc in cipher snd LIKE 39 TONES	'08
2.253,00	OSU	Oostende Radio, BEL	1958	USB	dutch	'07
2.255,00	---	unid CIS Military	2009	81-81 81/220	In tfc	'06
2.259,00	---	prob. RDLV/CIS Military	2007	CW	5fg hand tx	'06
2.260,00	---	fishermen	0604	USB	fr d/x	'07
2.264,00	---	RN/NATO Secure Bcast	2047	NATO-75 75/850	Short prob. test msgs all 15s long in KG84	'06
2.266,00	---	unid CIS Military	2233	CIS-75/75/250 15	tfc in cipher	'08
2.266,00	---	fishermen	1959	USB	ita accent	'07
2.267,50	---	unid Military ?	0606	CW	5 letters groups encrypt	'07
2.270,20	IDR	Italian Navy Roma, ITA	2310	USB/STANAG-4285	wkg IAME, Italian Navy frigate F570 "Maestrale"	'06
2.272,00	LBJ	Norwegian Navy Bodo, NOR	0603	USB	eng c WG3?,W3B	'07
2.273,50	---	unid German AF, DEU	1933	ARQ-E 85.8/161 RC=4 Beta		'06
2.278,00	---	Landes Kriminal Amt, DEU ?	2016	ARQ-E 85.8/180 RC=4	Encrypted tfc	'06
2.278,00	---	German Air Force, DEU	2016	ARQ-E 85.8/180 RC=4	Encrypted tfc	'06
2.284,00	---	unid	2120	USB	tfc RUS	'08
2.284,50	---	French Forces	2229	CW		'07
2.285,50	---	unid Test ?	0605	MIL.STD 188-141AB/STANAG	altern short trans	'07
2.285,50	FAV22 ?	CSTEI Favieres via Vernon, FRA	0023	CW	"NR 15 D 28 01 24 27 1984 BT ..." 5LGs	'07
2.285,50	IHML	Italian Navy, ITA	0519	USB	italian	'07
2.285,60	IDR	Italian Navy Roma, ITA	2312	STANAG-4285/USB	wkg IAIQ, ITN aircraft carrier "Giuseppe Garibaldi"	'06
2.286,00	---	CIS Military	2205	81-81 81/200	tfc in cipher	'08
2.291,50	---	CIS Military	1911	81-81 81/230	In cipher tfc	'07
2.297,50	---	unid Argentine Police, ARG	1102	LSB	SS Chubut Province Patagonia Cities	'05
2.300,00	---	fishermen	0508	USB	dan d	'07
2.303,00	---	unid	2248	FSK 100/200	tfc in cipher	'08
2.304,40	---	JEAC	2207	BR6028 ARQ-E/46.2/170/USB/6CH	IDLE ON BOTH CH	'08
2.306,00	---	fishermen	2129	USB	eng d/x	'08
2.308,00	---	CIS Navy Vaygach, RUS	1925	CW		'07
2.309,20	IAIQ	IN aircraft carrier "Giuseppe Garibaldi"	2252	USB/STANAG-4285	wkg IDR, ITN Roma voice coord for data tfc	'07
2.309,20	IDR	Italian Navy Roma, ITA	1921	USB/STANAG-4285	wkg IHMW, ITN Minehunter M5559 "Viareggio"	'06

2.310,00	---	fishermen	0450	USB	fre d/x	'07
2.311,00	---	Arklow Shipping Dublin, IRL	1925	USB	eng d/x with: rainbow,...	'07
2.311,00	---	Arklow Spray (IRL)	1922	USB	eng pos reporting	'07
2.311,00	EICL	Arklow Rainbow (IRL)	1921	USB	eng d/x pos reporting	'07
2.311,00	TFA	Reykjavik Radio, ISL	0717	USB	isl? faible/de	'08
2.314,00	LBJ	Norwegian Navy Bodo, NOR	1941	USB//unid ASCII ?/300/300-System	wkg I2O later back on 2272kHz	'08
2.314,70	---	JEAC	2120	BR6028 ARQ-E 46,2/170/USE/6CH	IDLE ON BOTH CH	'07
2.320,00	5AT	Tripoli, LBY	2016	USB	rus?	'07
2.322,00	BF5S	Russian Military	1925	CW	Y10H de BF5S QTC ZMK K BF5S 125 46 27 2220 125 = ZMK	'06
2.322,00	O509	Russian Military	1939	CW	OK ZCG ZMQ ZRW ZFR ZKZ QSW8 K	'06
2.324,50	---	unid	2254	USB	rus. reading names passenger list? maybe Jenisej aero	'07
2.326,00	---	NY State Emerg Man. Office Albany, USA	1410	MIL.STD 188-141A snd		'07
2.329,50	---	unid	2000	FSK/50/500	tfc in cipher	'08
2.330,80	"p"	MX Beacon Kaliningrad, RUS	2148	CW		'07
2.341,20	---	Military	2332	STANAG-4285/USB	tfc in cipher	'07
2.345,00	---	unid Russian Volmet, RUS	1856	USB	russian speaker help needed	'07
2.345,50	---	French Military Fort de Bicetre	2130	CW	FNCBX ZKOKI NR 78 N 29 22:30:23 1984 = NYUYE UWMTV	'07
2.347,00	---	STAR: Merchant Ship	2026	USB	RU clg Odessa Radio	'05
2.348,00	---	CIS Military	2235	CIS-75 75/250	tfc in cipher	'08
2.349,00	Warmia	Polish Military/Air Def., POL	1903	USB	"Uwaga! Tu Warmia" msg type for Air Def units Warmia	'05
2.350,50	---	Italian Navy	0522	USB	ita	'07
2.350,50	IATO	unid Italian Navy ship	2230	USB/STANAG-4285	wkg IDR (ItN Roma) voice coord for data tfc	'06
2.350,50	IDR	Italian Navy Rome, ITA	1843	USB/STANAG-4285	wgk DL5	'07
2.350,50	IHMV	Italian Navy Minesweeper Vieste	2050	USB	wkg IDR/Rome/Augusta	'06
2.353,50	---	unid	0631	CW	letters groups..	'08
2.354,40	---	Military	2336	NATO 300/850	tfc in cipher	'07
2.355,50	---	unid	2251	FSK 100/250 06	tfc in cipher	'08
2.360,00	---	fishermen ?	0419	USB	dutch d/x	'05
2.369,70	MTI	RN Major Relay Stn Plymouth, GBR	2155	RTTY 75/850	Self-addressed channel check on circuit QYN	'06
2.371,00	---	unid Belorus Military	1820	DSB	relaying FM broadcast as channel marker // on 4541 kHz	'05
2.375,00	RD7	fishnet buoy	2359	CW	marker	'05
2.378,40	---	unid	2237	FSK 150/500	tfc in cipher	'07
2.379,60	---	Military	2312	STANAG-4285/USB	tfc in cipher	'08
2.382,00	MAP024	Polish Military, POL	1932	MIL.STD 188-141A snd		'07
2.382,00	PIR023	Polish Military, POL	1925	MIL.STD 188-141A snd		'07
2.382,00	TOP022	Polish Military, POL	1932	MIL.STD 188-141A snd		'07
2.384,50	---	Argentinian Navy unid stn	0016	USB	SS Also packet 1200 bd w/5LG	'05
2.385,00	1PSPECNET212	unid prob. Polish Military	1754	MIL.STD 188-141A	clg ZRGORNET212 Harris-AVS after Hs	'08
2.386,00	OMBU	Argentinian Navy	2314	RTTY 75/170	5LG	'05
2.398,00	---	CIS Military	2210	USB	tfc RUS/WX	'08
2.400,00	OYR	Aasiat radio, GRL ?	0627	USB	dan duplex	'06
2.401,20	---	Military	2311	STANAG-4285/USB	tfc in cipher	'08
2.407,00	---	CIS Military	2150	MS-5/4800/USB	In tfc Possibly W/W 2349	'07
2.411,00	DIAMANTI	Albanian Military	1912	MIL.STD 188-141A	clg DRINI	'06
2.413,00	KFKF	CIS Military	1900	CW	clg MAQ3 AYKL TOYV MTE4 and OIDH for comms check	'06
2.414,00	CL1AR	EOC Clarendon New Hampshire, USA	1058	MIL.STD 188-141A snd	Emergency Operations Center	'07
2.414,00	NA1SH	EOC Nashua New Hampshire, USA	0940	MIL.STD 188-141A snd	Emergency Operations Center Also snd on 07805,0	'07
2.414,00	PE1TE	EOC Petersborough, USA	0330	MIL.STD 188-141A snd		'05
2.415,20	---	Military	0810	STANAG-4285/USB	tfc in cipher	'08
2.418,00	---	unid German AF, DEU	1940	ARQ-E 85.8/172 RC=4 Beta		'06
2.420,00	I55	US Customs CESSNA 550 Miami AMB, USA	1342	MIL.STD 188-141A snd		'08
2.420,00	UABP	Russian vessel	0345	CW	msg to UHX unid ".NR 32 NR 32 CK 2826/160600	'07
2.423,20	---	Military	1737	STANAG-4285/USB	tfc in cipher	'08
2.431,00	XSS	UK-DHFCS NCS Forest Moor, GBR	1501	MIL.STD 188-141A snd		'07
2.432,00	---	unid	0655	USB	danish OM	'08
2.435,00	---	CIS Military	2247	CIS-75 75/250	tfc in cipher	'08
2.436,00	---	fishermen	2007	USB	ger d/	'07
2.436,00	FANNY	FN Toulon CCMAR-Med, FRA	1707	USB	wkg CG (FN aircraft carrier R91 "Charles de Gaulle")	'06
2.439,50	---	Polish Military, POL	1813	USB	tfc POL/WX SIMPLEX	'07
2.440,00	---	German Navy ?	2001	USB	eng - end of trans	'07
2.443,90	BPXL	Iranian Navy, IRN	2250	RTTY 75/850 15	tfc in cipher	'08

2.445,00	---	fishermen	1930	USB	fr d/x "st gildas..."	'07
2.446,00	Bovienzo	Guarda Di Finanza Speedboat G-106, ITA	1959	MIL.STD 188-141A	clg Taranto	'08
2.446,00	CAPPELLETTI	Guarda Di Finanza G94 "Cappelletti", ITA	1853	MIL.STD 188-141A	voice Conv	'08
2.447,00	IDR	Italian Navy Roma, ITA	0613	RTTY 75/850	AVAILABILITY OR IJG ????	'07
2.447,60	---	unid Military	2047	NATO-150 150/850	tfc in cipher	'07
2.448,00	Warnia	Polish Military, POL	1951	USB	short Polish msgs after Uwaga Tu Warnia Tu Warnia	'08
2.450,92	---	Italian Navy Roma, ITA	1930	BAUDOT 75/850	AVAILABILITY OR IJG ????	'07
2.453,00	FAV22	CSTEI Favieres via Vernon, FRA	2256	CW	5l grps	'07
2.456,00	ART	Mossad Tel Aviv, ISR	2310	H3E/USB	GRA ING	'08
2.457,50	AQP2	Pakistan Navy Karachi, PAK	1916	CW	VVV AQP2/4 Louder than AQP4 on // 6391 kHz	'06
2.460,00	---	unid	2120	ARQ 250/170	CHX200	'05
2.461,50	---	Italian Navy Le Ciara, ITA	2336	ARQ 100/E/170	"zbz 4/5"	'07
2.461,50	0A	Irish Navy Haulbowline, IRL	2334	ARQ 100/E/170	Selcalls CVVE then req zbz	'07
2.461,50	57	Irish Navy ship, IRL	2134	ARQ 100/170 11	wkg "0A" 0620 clg /wkg "0A"	'08
2.461,50	59	Irish Navy ship, IRL	2219	ARQ 100/170 11	wkg "0A"	'08
2.461,50	65	Irish Navy ship, IRL	1938	ARQ 100/170	wkg "0A"	'08
2.461,50	CVVZ	Irish Navy Haulbowline, IRL	0530	ARQ	tf	'07
2.461,50	0A	Air Force Dublin, IRL	1927	ARQ		'07
2.462,00	IDR	Italian Navy Rome, ITA	2000	RTTY 75/850	CARB Broadcast IGJ/IDR	'05
2.463,00	IDR/IGJ	Italian Navy Augusta, ITA	1958	RTTY 75/850	IDR2 IGJ42 IDR8 IDR3	'07
2.463,00	IDR2	Italian Navy Rome, ITA	2234	RTTY 75/850	idr2 /igj42 /igj43 /idr8 /idr3/igj41	'08
2.463,00	IDR8	Italian Navy Rome, ITA	1825	RTTY 75/850	availability	'06
2.463,00	IGJ42	Italian Navy Augusta, ITA	2125	RTTY 75/850	IDR2 /IGJ42 /IGJ43 /IDR8 /IDR3 /IGJ41 + msg	'07
2.468,60	---	Military	2306	STANAG-4285/USB 01	tfc in cipher	'08
2.470,00	PBC	Dutch Navy Goeree Island, NLD	1108	RTTY	CARB "02A 04B 08A 12A 17X PBC"	'05
2.473,00	FAV22 ?	CSTEI Favieres via Vernon, FRA	0341	CW	"NR 58 J 23 04 41 44 1980 BT ..." 5LGs	'08
2.473,00	PBB	Dutch Navy Den Helder, NLD	2225	RTTY 75/850		'05
2.473,00	PBC	Dutch Navy Goeree Island, NLD	0223	RTTY 75/850	availability "02A04B 06A 08A 12Y 17X 22X PBC"	'05
2.474,00	PBB	Dutch Navy Den Helder, NLD	2311	RTTY 75/85	with channel marker	'07
2.474,00	PBC	Dutch Navy Goeree Island, NLD	0708	RTTY 75/850	availability "02a 04b 06a 08a 12y 17x 22x"	'05
2.477,90	---	unid	1738	FSK 150/500	tfc in cipher	'08
2.484,00	---	navire	0615	USB	dutch d/x via OSU Oostende	'06
2.484,00	DELTA	Indian Navy ? SHIP	1724	USB	wkg "INDIA"	'07
2.484,00	INDIA	Indian Navy ? SHIP	1722	STANAG-4285/600L/USB	tfc in cipher	'07
2.484,00	LIMA	Indian Navy ? SHIP	1726	STANAG-4285/USB/600L	tfc in cipher	'07
2.484,00	OSCAR	Indian Navy ? SHIP	1724	USB	wkg "INDIA"	'07
2.484,00	TANGO	Indian Navy ? SHIP	1727	USB	clg /wkg "LIMA"	'07
2.496,00	---	unid fishermen	1936	CRY-2001/USB	Male voices	'05
2.500,00	---	fishermen ?	0625	USB	dutch d/x	'05
2.500,00	BPM	Xian Time Signal, CHN	1726	USB	PIPS	'07
2.500,00	WWVH	HAWAII Time Signal, USA	1315	AM	Good signal	'05
2.502,50	---	CIS Military	2025	81-81 81/220	In tfc	'07
2.503,50	BP21	Bundespolizeiboot "Bredstedt", DEU	1054	MIL.STD 188-141A snd		'08
2.503,50	BP26	Bundespolizeiboot "ESCHWEGE", DEU	1923	MIL.STD 188-141A snd		'07
2.503,50	LEZSEE	Lage-und Einsatzzentrum See, DEU	1443	MIL.STD 188-141A snd		'08
2.505,00	---	German CG Neustadt, DEU	1421	ARQ		'07
2.505,00	---	German CG Neustadt, DEU	1900	ARQ	End trans	'07
2.505,00	---	unid	2020	ARQ 100/170	clg TMCT: "BG 14 Duderstadt"	'04
2.505,00	BP26/DBGZ	Bundespolizeiboot "ESCHWEGE", DEU	1822	MIL.STD 188-141A snd		'07
2.510,12	---	CIS Military	2338	81-81 81/500 08	tfc in cipher	'07
2.512,00	50	Danish Military, DNK	1646	MIL.STD 188-141A	clg 68	'06
2.512,00	68	Danish Army ? LOC, DNK	2231	MIL.STD 188-141A	clg DK11	'07
2.513,00	---	unid	2004	CW	VVVV	'08
2.514,00	X44F	Royal Army unit	2236	USB/RATT	wkg K41 and X21 (both RAR units) voice coord for data	'06
2.515,00	PCD	Mossad Tel Aviv, ISR	2303	H3E/USB	QRA	'08
2.515,00	PCD2	Mossad Tel Aviv, ISR	2340	H3E/USB 08	GRA ING QRA	'07
2.518,00	---	fishermen	0420	USB	esp d/x	'07
2.518,50	---	unid	1937	CW	tfc 'DE POSB QTC'	'07
2.520,50	T101BD	US Army	1346	MIL.STD 188-141A	Also using 3290,50	'07
2.520,80	---	---	1740	COQUELET-8/26,6	tfc in cipher	'07
2.521,00	---	unid Military	0636	STANAG-4285/USB	tfc in cipher	'08

2.521,70	---	unid NATO	2012	RTTY 75/850	Continuous cipher	'08
2.524,00	---	unid Military	2344	STANAG-4285/USB	tfc in cipher	'07
2.524,00	VKT307	Mersy Radio Devonport	2020	USB	wx information for TAS waters also for shipping	'05
2.525,00	UWT	taganrog ?	0202	USB	rus d/x	'07
2.530,00	---	Military ?	1900	USB	rus? d/x "priom..."	'07
2.530,60	---	Military	1740	STANAG-4285/USB	tfc in cipher	'08
2.531,00	OWK	RDAF HQ Vedbaek, DNK	2140	MIL.STD 188-141A	clg OWE 08	'05
2.532,00	---	unid	2217	FSK 50/250	tfc in cipher	'08
2.533,70	---	Military	2300	STANAG-4285/USB	tfc in cipher	'08
2.545,00	U.	CIS Military	1741	CIS-75 75/200	tfc in cipher	'08
2.549,70	---	Military	2259	STANAG-4285/USB	tfc in cipher	'08
2.550,00	FAV22 ?	CSTEI Favieres via Vernon, FRA	0442	CW	5L groups after nr 22 a 10 06:42:55 1980 bt	'08
2.551,00	FAV22 ?	CSTEI Favieres via Vernon, FRA	2330	CW	GRA //4931,0 //4833,0 //2346,5,00 'BT NR H2 J 30 01	'08
2.558,10	IV6T	CIS Military	1855	CW	5fg 77gr msg	'05
2.559,00	BP21	Bundespolizeiboot "Bredstedt", DEU	1054	MIL.STD 188-141A snd		'08
2.559,00	BP26	Bundespolizeiboot "ESCHWEGE", DEU	1821	MIL.STD 188-141A snd		'07
2.559,00	LEZSEE	Lage-und Einsatzzentrum See, DEU	1442	MIL.STD 188-141A snd		'08
2.559,90	---	fishermen	1936	USB	fr d/x	'05
2.560,40	---	unid	2100	UNID 150/400 ACF=0		'06
2.560,50	---	Military	2258	STANAG-4285/USB	tfc in cipher	'08
2.565,50	---	fishermen	1937	USB	fr d/x	'05
2.568,90	---	unid Military	0020	STANAG-4285/USB	tfc in cipher SIMPLEX	'08
2.569,50	FAV22	CSTEI Favieres via Vernon, FRA	2210	CW	GRA 'NR 27 M 02 00 17 14 43 1980 BT AGDNF HMRND TRHFT'	'08
2.571,20	---	Military	1910	STANAG-4285/USB	tfc in cipher	'08
2.572,40	---	NATO	2313	STANAG-4285 600L	BRASS ???	'05
2.572,50	---	CIS Military	1742	81-81 81/250	tfc in cipher	'08
2.572,50	CTU5	Portuguese Navy Monsanto, POR	2117	STANAG-4285/USB	tfc in cipher	'08
2.575,00	---	CIS Military	2255	CIS-75 75/250	tfc in cipher	'08
2.579,00	---	unid fishermen	2146	USB	2 OM in Aberdonian and Caithness accents	'07
2.579,00	IPB	Bari Radio, ITA	2143	USB	nav wrns OM/II and OM/EE mechanized voice	'05
2.579,20	---	Military	2256	STANAG-4285/USB	tfc in cipher	'08
2.581,20	---	Military	1743	STANAG-4285/USB	tfc in cipher	'08
2.586,00	OXZ	Lyngby Radio, DNK	2143	USB	OM with MIBs in Danish	'07
2.587,60	---	unid Military	2115	STANAG-4285/USB	tfc in cipher	'08
2.590,60	PBC	Dutch Navy Goeree Island, NLD	2255	STANAG-4285/USB	tfc in cipher	'08
2.592,00	DIAMANTI	Albanian Military, ALB	1847	MIL.STD 188-141A	clg DRINI	'06
2.592,00	LTA	Argentine Army, ARG	0300	CW	radiocheck w/LTG and LTJ	'05
2.597,50	MAP024	unid	2035	MIL.STD 188-141A	wkng TOP022	'05
2.597,50	ZAT025	unid	2036	MIL.STD 188-141A	wkng OLI021	'05
2.598,00	---	unid prob. French Military or police	1846	Thales Systeme 3000		'06
2.598,00	---	CCG Labrador, CAN	0702	CW	Labrador CG w/weather in EE	'07
2.598,00	---	CCG Saint Anthony, CAN	0638	CW	St Anthony CG w/weather in EE	'07
2.598,00	3TDX	Ukranian Military, UKR	1950	CW	QLW QSA? QRK? QXS FOR GR GR AR	'05
2.598,00	VCG	CCG Riviere-au-Renard, CAN	0440	USB	French wx bulletin	'08
2.598,00	VCT	CCG Tors Cove Radio, CAN	0626	CW	Tors Cove NL CAN with gale warning	'05
2.598,00	VOK	CCG Cartwright, CAN	0457	CW	NFLD Canada wx on	'06
2.598,00	VON	CCG St John's Coastal Radio, CAN	2113	USB	Ice forecast for Newfoundland 05	'05
2.599,00	FAV22	CSTEI Favieres via Vernon, FRA	2306	CW	5l grps	'07
2.600,00	---	fishermen	0735	USB	ff d/x	'05
2.600,00	IQO	Mazara del vallo Radio, ITA	0623	USB	Italian weatherfor Sicilia	'06
2.600,00	PBK	Netherlands Coastguard, NLD	0940	USB	wx robot voice Freq not listed Scheveningen site?	'06
2.601,00	---	Military	2254	STANAG-4285/USB	tfc in cipher	'08
2.605,00	---	Military ?	2144	USB	slavy	'08
2.605,70	---	Military	0535	NATO 75/850		'07
2.607,00	FUO	French Navy Toulon, FRA	2209	RTTY 75/850	test tape	'05
2.610,00	---	fishermen ?	2243	USB	eng accent?	'07
2.610,40	---	Military	0538	NATO 75/850		'07
2.613,60	---	Military	2253	STANAG-4285/USB	tfc in cipher	'08
2.617,00	GYA	RN Northwood, GBR	2205	FAX	meteo chart	'05
2.617,50	GYA	RN Northwood, GBR	2100	FAX 120/576/N/800	Sfc anal M/path fading	'07
2.618,00	GYA	FWOC Northwood, GBR	2114	FAX 120/576	Radiofax schedule Poor picture	'05

2.618,40	---	unid station	1412	FSK 300/900	encrypted ACF=0 strong signal	'06
2.618,50	GYA	RN Northwood, GBR	0011	FAX 120/576	low signal	'05
2.623,00	DHJ59	German Navy Wilhelmshaven, DEU	0635	USB	wkg DRAR	'05
2.623,00	DRAK	GN Frigate Mecklenburg-Vorpommern, DEU,	2132	USB	OM/EE wkg DHJ59 Wilhelmshaven into data	'08
2.623,00	DRCF	FGS S72 Puma, DEU	1841	USB	wkg DHJ59	'06
2.623,20	DRAA	FGS Sachsen F219, DEU	0753	USB/STANAG-4285	qso dhj59 agn 0855z	'06
2.623,20	DRAI	FGS Schleswig-Holstein F216, DEU	1858	USB/STANAG-4285	qso dhj59 zbol priority - qsl his nr 0658 grq	'05
2.623,20	DRDK	FGS U17 S196, DEU	1805	USB	clg dhj59 n.	'07
2.623,50	DRAC	FGS Hessen F221, DEU	1855	USB/STANAG-4285	qso with dhj5	'07
2.623,50	DRDI	FGS U15 S194, DEU	2018	USB	clg dhj59 nothing heard ou	'07
2.623,50	DRLA	FGS Planet A1415, DEU	1820	USB/STANAG-4285	qso dhj5	'07
2.624,00	IQX	Trieste Radio, ITA	2045	USB	YL with MIBS 16	'07
2.625,00	9HD	Valetta Radio,	2105	USB	ee naws	'05
2.626,00	FTJ	Mossad Tel Aviv, ISR	1945	H3E/USB	GRA ING	'08
2.628,00	IQA	Augusta Radio, ITA	1947	USB	AV/WX	'08
2.628,00	VMC	Charleville Meteo, AUS	1824	FAX	margin lines discernable in noise	'06
2.632,00	IDF	Messina Radio, ITA	2008	USB	IDF Messina Radio - Bollettino Nav 06	'07
2.632,00	IQH	Napoli Radio, ITA	1945	USB	OM robot? with Italianweather fcasts in Italian	'06
2.632,20	---	Military	2252	STANAG-4285/USB	tfc in cipher	'08
2.638,60	---	Military	2251	STANAG-4285/USB	tfc in cipher	'08
2.640,00	UGC/UGE ?	St. Petersburg Radio, RUS	1449	ARQ 100/170/CW ARQ burst	CW identification DE UGC	'07
2.642,00	ICB	Genova Radio, ITA	2148	USB	OM with wx forecast in Italian prob. //2624/IQX	'08
2.643,00	A9M	Hamala Radio, BHR	2115	CW	id	'08
2.644,00	---	fishermen	0841	USB	ff	'05
2.645,00	---	unid	0531	USB	cze?? om d/x	'05
2.647,20	---	Military	2249	STANAG-4285/USB 01	tfc in cipher	'08
2.650,00	---	unid Military	1710	LSB	ukran? om	'07
2.651,40	---	JEAC	2010	BR6028/ARQ-E/46.1/170/6CH/USB	IDLE ON BOTH CH	'08
2.651,70	---	unid Military	2112	NATO-75 75/850	tfc in cipher	'08
2.653,50	1HV	German Navy ship	1817	USB	wkg 2XQ X2K 8WV and E50 (all GN ships) RRE	'06
2.654,00	---	Ukranian Military, UKR	2222	CW	Weak 5LG bcast msg to unid	'05
2.654,00	---	prob. CIS Military	2019	CW	5fg msg ened with "ZKDV"	'06
2.656,00	IPA	Ancona Radio, ITA	2008	USB	IPA Ancona Radio - Bollettino Nav	'07
2.656,00	WARMIA	Polish Military Air Def., POL	1853	USB	"Uwaga! Tu Warmia" msg type for Air Def	'05
2.657,00	CTQ	Portuduese Navy Funchal, MDR	2110	USB	AV/wx ing/POR	'08
2.657,00	CTV	Portuduese Navy, POR	0915	USB	por & eng naw	'07
2.657,50	---	CSTEI Favieres via Vernon, FRA	2040	CW	GRA //2816,0 TIME DATE BT: txt	'07
2.658,00	2CGO	unid	1748	CW	clg /wkg "AKZD" 'AKZD DE 2CGO QSANO K'	'08
2.658,00	421FEMAUX	FEMA Winchester, USA	0244	MIL.STD 188-141A snd	Reg. 3 Auxiliary Station Also noted snd on 3388	'07
2.658,10	---	unid Military	0024	STANAG-4285/USB	tfc in cipher	'08
2.658,50	---	CSTEI Favieres via Vernon, FRA	2008	CW	GRA //5765,50 'BT NR 09 F 06 19:44:08 1980 BT'	'08
2.661,00	OPIEKUN46	Polish Military net	1952	USB	voice Radio check, YL+OM "Opiekun46"	'05
2.661,40	---	JEAC	2012	BR6028/ARQ-E 46.1/170/6CH/USB	IDLE ON BOTH CH	'08
2.663,00	IPC	Crotone Radio, ITA	2131	USB	nav wrns OM/II and OM/EE mechanized voice	'05
2.663,90	---	unid station	2043	FLB 150/500	encrypted	'07
2.665,00	---	ARS Air Force, ARS	2048	MIL.STD 188-141A	clg "JPD"	'08
2.665,00	RAI	unid	0113	MIL.STD 188-141A	clg "JAI"	'07
2.665,00	RAN	ARS Air Force, ARS	2357	MIL.STD 188-141A	clg "JAI"	'08
2.665,00	RAP	ARS Air Force, ARS	2244	MIL.STD 188-141A	clg "JAP"	'07
2.666,00	---	unid	2110	USB	voice encrypt with bip	'04
2.670,00	---	unid	0333	FEC	Too weak to decode	'07
2.670,00	---	USCG	0623	USB	with maritime info broadcast for coast of washington	'06
2.671,00	---	German CG Neustadt, DEU	0622	ARQ	wx	'07
2.671,30	---	German CG Cuxhaven, DEU	1856	ARQ	wx fcast in German from DWD Hamburg	'06
2.671,30	---	Kuwatz Cuxhaven, DEU	1845	ARQ 100/170	WX Rpt frm WX-Service Hamburg Much QRN bad read	'05
2.671,30	---	German CG Neustadt, DEU	1848	ARQ	wx // 1616,70 ?	'07
2.671,30	DBFC	FSB Seeadler, DEU	1747	ARQ	dbfc x 07.06.'07 17:46 nochmals guten abend +++	'07
2.671,30	DBFH	FFS Solea, DEU	0507	ARQ	pos rpt to glz see	'08
2.671,30	DBFM	FSB Meerkatze, DEU	2245	ARQ	pos rpt	'08
2.671,30	DBFO	FSB Seefalke, DEU	2246	ARQ	pos rpt	'08
2.671,30	DLVP	Customs vessel "ZB Kniepsand", DEU	2000	ARQ	id #60566 answered s/c TPCR of Customs Cuxhaven	'07

2.671,30	DLVY	ZB Hamburg, DEU	0700	ARQ	gets "Lagemeldung"; from kuwatz	'06
2.672,00	---	unid French Forces, FRA	2347	CW	GRA TIME DATE BT: txt	'07
2.672,00	QJ6Q	CIS Military	0223	CW	duplex wkg LAEJ YHTO etc w/"RK"-r/ch "QJ6Q ZSC ZSM K"	'07
2.673,00	---	unid	0446	CW		'06
2.675,40	---	unid	1940	FSK 150/500		'06
2.677,00	---	unid/definitely no fcg cross	1906	USB	no polish ? yl	'05
2.677,00	---/FRC	Cross La Garde, FRA ?	1948	USB	XYL with wx and MIBs in French	'06
2.677,00	---/FRC ?	Corsen-Ouessant Brittany, FRA	1900	USB	Local avurnavs Brest et Iroise	'07
2.678,00	---	unid CIS Military	2147	CW	Ends 50-group 5LG msg 69127	'07
2.679,00	4XZ	Israelian Navy Haifa, ISR	2246	CW	VVV DE/GRA	'08
2.680,00	---	Cagliari, ITA	0454	USB	eng naws - different audio on 1876 ,1888	'07
2.680,00	4XZ	Israelian Navy Haifa,ISR	2212	CW	txt	'07
2.680,00	IDC	Cagliari Radio, ITA	2135	USB	OM with MIBs in Italian	'07
2.681,00	---	unid	0631	CW	tfc	'07
2.682,00	---	Unlocated Fixer	2003	PSK-4PH		'07
2.682,00	2834	unid ??	0530	unid DIGITAL	reg discon dig snd	'05
2.684,00	---	unid German Navy	2300	USB	'DHJ67 this is DHO901' Using teleprinter	'05
2.684,50	---	unid German Military	0634	ARQ-E 85,70	idling	'05
2.685,50	---	unid	2331	FEC-A 192 3CH		'07
2.687,00	G4B	Norwegian Navy ship	2300	USB	wkg JWT Norwegian Navy Stavanger voice coord for data	'06
2.687,00	JWT	Royal Norwegian Navy, NOR	0505	USB	Exercise tfc with C2P MI1 PHJ and similar callsigns	'05
2.692,00	B5C	unid	1735	CW	contacts N9L every 30 min	'05
2.693,00	CUL	Lisbon, POR	2100	USB	por d/x	'08
2.695,00	OP1	unid	0435	MIL.STD 188-141A	clg OPQ 0436 wkng OPQ (AMD) supjy (AU RYSIO PaTIKR)	'07
2.695,00	OPQ	Lithuanian Military, LTU	1809	MIL.STD 188-141A	clg OP1	'06
2.696,00	CALORIE	unid French Forces ?	0619	USB	fr poor modul	'08
2.705,00	M?	XSS DHFCS Forest Moor, GBR	2156	MIL.STD 188-141A snd		'07
2.705,00	XBE	unid DHFCS Station, GBR	1946	MIL.STD 188-141A	clg XSS-NCS who responds followed by modem atcivity	'07
2.705,00	XFY	DHFCS station, GBR	1740	MIL.STD 188-141A snd		'08
2.705,00	XGP	DHFCS station, GBR	1519	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
2.705,00	XGV	DHFCS station, GBR	0923	MIL.STD 188-141A	clg XSS NCS Forest Moor	'08
2.705,00	XGZ	DHFCS station, GBR	1901	MIL.STD 188-141A	clg XSS-NCS	'07
2.705,00	XHZ	DHFCS station, GBR	0833	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
2.705,00	XJF	DHFCS station, GBR	1047	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
2.705,00	XJP	DHFCS station, GBR	1740	MIL.STD 188-141A	clg XSS	'08
2.705,00	XKD	DHFCS station, GBR	2216	MIL.STD 188-141A	clg XSS	'07
2.705,00	XKW	DHFCS station, GBR	1347	MIL.STD 188-141A	clg XSS	'08
2.705,00	XSS	DHFCS NCS Forest Moor, GBR	2233	MIL.STD 188-141A snd	2705 and 2216 from the St Eval site	'07
2.707,00	---	fishermen	0453	USB	sp d	'07
2.708,00	---	Veripos DGPS station	2058	QPSK/250	2 second databurst followed by a 2 second gap	'07
2.709,00	---	unid	1916	FSK 96/200	tfc after several min of reversals and "v"	'06
2.713,00	---	unid	1939	USB	ukrainian?	'05
2.716,00	U8K	German Navy vessel	1819	USB/RATT	wkg 6MT 3RE 7IE C4I and 6SU, all GN vessels possibly	'06
2.717,40	---	unid	2125	FSK 220/350	tfc in cipher	'07
2.718,50	---	French Forces ?	0700	USB	"test de mentor pour le réglage de vos récepteurs.	'05
2.719,00	7TO	Oran Radio, ALG	1905	USB	English and French nav wrns	'08
2.719,00	ICB	Cagliari R Saregna, ITA	0310	USB	security signals in computerized voice OM/EE OM/II	'06
2.719,00	IZN	Porto Torres Radio, ITA	2133	USB	OM with MIBs in English	'08
2.720,00	SPS	Witowo Radio, POL	0535	USB	eng pol yl wx naws	'08
2.721,00	REA4	CIS Air Force Moskva, RUS	0104	FSK 50/225	IDLE	'08
2.722,00	---	French Military	1934	USB	'Days & Months Réglage' counting station OM Poor audio	'06
2.722,50	---	unid	0452	crackling snd		'06
2.723,20	---	unid Military	2058	STANAG-4285/USB	tfc in cipher	'08
2.730,00	CI4Z	CIS Military	2112	CW	QSLs Nr 615 to unid QSX	'07
2.730,00	SVL	limnos?	2142	USB	eng wx "black sea..."	'07
2.730,00	SVL2	Olimpia Radio Limnos, GRC	2135	USB	WX/AV GRE	'08
2.730,45	---	JEAC	1050	BR6028/ARQ-E/46.2/170/6CH/USB	IDLE ON BOTH CHANNELS	'08
2.731,00	---	fishermen	0749	USB	fr d/x "cherbourg..."	'08
2.732,00	---	fishermen	0753	USB	fr d/x "200 kg de colin..."	'07
2.732,00	D9Q	? northern coasts? Military exercice	0605	USB/sig MFSK	c X5F	'07
2.732,00	E6D	HDMS Skaden, DNK	1509	USB	clg pa7 for rc	'07

2.732,00	G1E	FGS Hessen, DEU	1507	USB	very weak but readable - for your information	'07
2.732,00	KS7	HSWMS Tromsö, SWE	1435	USB	clg u5q for rc	'07
2.732,00	MK5	HMS Lancaster, GBR	1506	USB	my helicopter not available for	'07
2.732,00	PA7	HLNV Linga, LAV ?	1509	USB	my tracking is	'07
2.732,00	U5Q	FGS Bremen, DEU	1435	USB	please a pos update	'07
2.733,00	SDJ	Stockholm Radio, SWE	0333	USB	Identification in CW mode	'05
2.734,00	RFI	Ars Air Force, ARS ?	0150	MIL.STD 188-141A	clg "JCI"	'08
2.734,00	RFP	Ars Air Force, ARS ?	0059	MIL.STD 188-141A	clg "JCP" 0111,0136 clg "JCP"	'08
2.734,00	RFU	Ars Air Force, ARS ?	0314	MIL.STD 188-141A	clg "JCU"	'08
2.735,00	IAS	unid	0335	CW	IAS Period 15s ID time 4s	'05
2.737,00	FAV22	CSTEI Favieres via Vernon, FRA CW	1831	CW	GRA 'BT NR 39 MJ 1 1988 IIDTE	'08
2.737,00	REA4	HQ Military Aviation Moscow, RUS	1956	CW-REVS 50/	Idling between skeds	'06
2.738,00	Central	Argentine Civil Defense, ARG	1118	LSB	SS Santa Cruz Province South Argentina Wx	'05
2.738,50	---	CIS Air Firce	2231	CW	TIME STRING	'08
2.739,00	---	fishermen	2024	USB	norv? d/x	'06
2.740,00	---	fishermen	0744	USB	ff d/x	'05
2.742,50	4YM	US Navy ship	2254	USB	wkg B7H ITN ship and OZF SPN ship Link11 coord circuit	'07
2.743,00	ULX2	Mossad Tel Aviv, ISR	2231	H3E/USB	QRA	'08
2.744,00	---	unid	2014	FSK 50/250	tfc in cipher	'08
2.745,00	---	unid	1916	USB	tfc RUS	'08
2.748,00	YQI	Constanta Radio, ROU	1934	USB	Eng MM wx/navs s9+ 16-m	'07
2.749,00	VAR	Canadian CG St. John, CAN	0804	USB	eng	'08
2.749,00	VCG	Canadian CG Riviere au Renard, CAN	0440	USB	fr/eng wx	'08
2.749,20	---	Military	2233	STANAG-4285/600L/USB	tfc in cipher	'08
2.749,50	---	fishermen	0823	USB	hol d/x	'06
2.750,00	BY11	unid	1757	MIL.STD 188-141A 2G	callng unid	'05
2.750,00	EW5	Estonian Army ? LOC ?, EST ?	1836	MIL.STD 188-141A	clg OT8 also 2131 2151 2316 2127 clng QA4	'07
2.750,00	EY5	Estonian Army ? LOC ?, EST ?	0210	MIL.STD 188-141A	clg UT3 Also 0230 0213 clng LH7	'07
2.750,00	LH7	Estonian Army ? LOC ?, EST ?	0358	MIL.STD 188-141A	clg EY5 also 0408	'07
2.750,00	OT8	Estonian Army ? LOC ?, EST ?	2130	MIL.STD 188-141A	clg EW5 also 2141z 2340 2332 clg QA4	'07
2.750,00	OV5	Estonian Military	2130	MIL.STD 188-141A	clg VC6	'05
2.750,00	QA4	Estonian Army ? LOC ?, EST ?	2231	MIL.STD 188-141A	clg EW5 2332 Responding to OT8	'06
2.750,00	VC6	Estonian Army, EST	1722	MIL.STD 188-141A	"TO:DV9 TIS:VC6"	'06
2.751,00	---	unid	2342	UNID 75/850 ACF=10	Thanks Bill No idea what it is	'05
2.752,00	WGC9	CIS Military	1919	CW	Responds to unid correspondent WGC9 R K	'06
2.753,00	NAVY 557	Dutch Navy SH-14D	1839	USB	wkg PFC (RNN De Kooij) reporting ops	'06
2.753,00	PFC	Dutch Air Force De Kooy,NLD	0000	USB		'06
2.755,50	---	unid	2049	CW	Random length figure strings 5225467 2346 1906750	'06
2.756,20	---	unid Military	2055	STANAG-4285/600L/USB	tfc in cipher	'08
2.756,40	---	JEAC	1919	BR602/ARQ-E/46,2/170/6CH/USB	IDLE ON BOTH CHANNELS	'08
2.759,20	---	Military/Nato	1931	STANAG 4285/USB	tfc in cipher	'08
2.761,00	OSU	Oostende Radio, BEL	0638	USB	eng naws	'08
2.766,00	---	Military	2234	STANAG-4285/USB	tfc in cipher	'08
2.767,50	BP26	BP26 "ESCHWEGE", DEU	1821	MIL.STD 188-141A snd		'07
2.767,50	LEZSEE	BP-LEZ See Cuxhaven, DEU	1835	MIL.STD 188-141A snd		'07
2.769,00	---	CIS Military	1732	81-81 81/500	tfc in cipher	'07
2.770,00	AGURCHIK	Moskva Semerityevo Air, RUS	2146	USB	clg /wkg "AMBA"	'08
2.770,00	AMBA	Samara Air, RUS	2146	USB	wkg "AGURCHIK"	'08
2.770,00	RADAN	Sankt Peterburg Air, RUS	2149	USB	wkg "AGURCHIK"	'08
2.772,00	---	fishermen	2014	USB	Dut d/x	'07
2.776,00	---	unid	2052	CW		'08
2.780,00	FUC	French Navy Cherbourg, FRA	2037	RTTY 75/850	Bricks tests	'08
2.780,50	---	unid	2220	USB/MIL-STD 188-110-39T	tfc in cipher SIMILE	'07
2.782,50	WESP	unid	1940	CW	QTC Msg from WESP > MXK5 Russian Navy ?	'05
2.784,00	XKD	UK-DHFCS	0933	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor	'08
2.784,00	XKP	UK-DHFCS	1418	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor	'08
2.784,00	XSS	UK-DHFCS NCS	1935	MIL.STD 188-141A	clg XGW Hs flwd by Ser.Tone Modem	'08
2.784,50	---	unid	2104	????/USB/39TONE	tfc in cipher SIMILARE	'07
2.787,60	FUE	French Navy Brest, FRA	1009	RTTY 75/850	Test idlers	'08
2.789,00	FUE	French Navy Brest, FRA	2039	RTTY 75/850	Bricks tests	'06
2.790,00	HAWANA	Polish Military Air Defense, POL	1900	USB	"Uwaga! Tu Hawana" msg type for Air Def units	'06

2.793,00	---	unid	2101	CW			'08
2.793,50	FDI22	French Air Force Narbonne, FRA	2001	CW	VVV VVV VVV DE FDI22 FDI22 FDI22 AR		'06
2.794,00	CERC	unid	1834	MIL.STD 188-141A	clg JENE who responds Same at 1904		'06
2.794,00	DRYZ	unid	2222	MIL.STD 188-141A	clg JENE		'06
2.794,00	JENE	unid	1844	MIL.STD 188-141A	clg DRYZ Also at 2356		'06
2.794,00	XSS	UK DHFCS NCS	0015	MIL.STD 188-141A snd	2784 2794 3236 5 and 3260 kHz		'08
2.794,20	---	Military	2239	STANAG-4285/USB	tfc in cipher		'08
2.797,00	---	CIS Military	2350	81-81 81/250	tfc in cipher		'08
2.798,00	---	CIS Military	0044	RUS-75 75/250	tfc in cipher		'08
2.798,00	FDG	French Air Force Bordeaux, FRA	2256	USB	TEST 'CECI UNE MESSAGE DE CALORIE'		'08
2.798,60	---	Military	1934	STANAG-4285/USB	tfc in cipher		'08
2.799,00	SVH	Iraklion/Olimpia Radio, GRC	1753	USB	WX GRE		'08
2.800,00	4XZ	Israeli Navy Haifa, ISR	2137	CW	Vs marker //2680		'05
2.802,00	---	CIS Military	2010	MS-5/1440/DPSK/USB	In cipher.		'08
2.804,00	---	CIS Military	2112	MS-5/4800/USB	In tfc		'07
2.804,00	---	unid	2330	USB/STANAG-4285/600L			'05
2.804,20	IDR	Italian Navy Rome, ITA	1755	STANAG-4285/USB/600L/5N1	tfc in cipher AVAILABILITY		'08
2.804,20	IGJ41	Italian Navy Augusta, ITA	2203	STANAG-4285/600L/5n1	IDR,20 /.IGJ.42 /.IGJ.43 /.IDR,80 /.IDR,30 /.IGJ.41		'07
2.806,40	NITRY193	Polish Military NET prob. Air Defense, POL	1856	USB	5fg msg wkng TRYBAR63 and others,poor modulation		'05
2.806,50	RABARBAR33	Polish Military	1900	USB	Net with 5FG msgs other calls: TEATR 41,????		'06
2.808,50	---	German Air Force, DEU	0751	ARQ-E/85,7/170	idling		'06
2.808,50	CL1	FBI Cleveland OH, USA	0435	MIL.STD 188-141A	TO COLFBI Columbia SC		'07
2.808,50	QT9	FBI Quantico VA, USA	1448	MIL.STD 188-141A	TO MW1 FBI Milwaukee WI FBI ALE Net 040		'05
2.808,50	RH1	FBI Richmond VA, USA	1552	MIL.STD 188-141A	TO NF1 FBI Norfolk VA Also noted on 05388,50 USB		'07
2.810,00	OFA	Helsinki Radio, FIN	0643	USB	fin yl		'06
2.810,00	OFK	Turku Radio, FNL	1840	USB	Finnish WX		'06
2.812,00	SEMOHQ	unid State Emergency Management Operations	0938	MIL.STD 188-141A snd	Also snd on 02326.0 Both are known FEMA SECURE		'07
2.813,10	---	unid	0334	USB	Korean ? or Japanese ? speaking males		'04
2.813,90	MTI	Royal Navy Plymouth, GBR	2150	RTTY 75/180	CARBs 02 02a		'06
2.814,00	---	CIS Military	0041	RUS-75 75/250 22	tfc in cipher		'08
2.814,00	---	unid	2034	RTTY 50/200	Marker: "KKKKKXFD R D F D W R N Z"		'06
2.815,00	---	unid NATO/RN station	1721	NATO-75 75/850	Short msgs in KG-84 probable tests each 14 seconds		'07
2.815,00	---	unid cis?	0640	81-81 37.5/25			'07
2.815,00	DHJ67	German Navy	0602	USB	eng		'07
2.815,00	DHJ78	German Navy	0605	USB	eng		'07
2.815,00	DHJ83	German Navy	0609	USB	eng		'07
2.815,00	DH091	German Navy	0614	USB	eng		'07
2.815,00	K7H	German Navy	0611	USB	eng c DH091? Radio chec		'07
2.815,50	---	unid French Forces ?	2132	CW			'08
2.815,50	GLLW	CIS Military	1910	CW	MAT2 MAT2 MAT2 QTC ZVX AR QTC 768 16 9 2207 768		'07
2.815,90	FDI8	French Air Force Nice, FRA	2020	CW	de		'05
2.816,00	---	unid	0349	MIL.STD 188-110 Serial modem ISB	Continuous idle		'05
2.816,00	FDI8?	French Air Force	1851	CW	tfc crypté 11		'07
2.816,50	---	unid ??	0540	ARQ-E 85,70/175	idling		'05
2.817,00	---	CIS Military	2234	81-81 81/200	tfc in cipher		'08
2.817,00	---	M51 Fort de Bicetre	2209	CW	NR 29 N 20 1984 = ECYBN NZNWW XGQXW // 2569,50 5471,5		'07
2.817,50	3FJF8	vessel MSC Kerry (PAN)	0000	DSC	RQs Panamanian Beatrice I/H3VZ 12353 kHz		'05
2.817,50	9MEA7	vessel Alam Bitara (MAL)	1927	DSC	RQs unlisted Malaysian vessel MMSI-533678000		'06
2.817,50	ELQZ9	vessel Frost 5 (LBR)	1946	DSC	RQs Lyngby Radio/OXZ Safety		'06
2.817,50	MQPF2	vessel Jervis Bay (GBR)	2244	GMDSS	clg unlikely MMSI 006211111 for apparent safety test		'05
2.817,50	MSAC4	DEA Mariner, GBR	1927	DSC	Arranges simplex telephone call with sister ship		'06
2.817,50	SPS	Witowo Radio, POL	2132	DSC	Preliminary call for Wx/MIB bcast on 2720 kHz		'07
2.817,50	UCDW	vessel Tumanny, RUS	1928	DSC	RQs Koulonga/UGNW for duplex telephone call		'06
2.818,50	---	French Forces	0630	USB	"test de mentor.test pour le réglage de vosrécepteurs"		'05
2.818,80	---	JEAC	2146	ARQ-E 46.2/170	IDLE		'08
2.819,00	VENI88	unid	1819	MIL.STD 188-141A	clg VENI92 and VENI97 who both respond		'06
2.819,00	VENI89	unid Norwegian net?	1913	MIL.STD 188-141A	clg VENI96 String "tweita" in AMD		'06
2.819,00	VENI92	unid NOR ?	1216	MIL.STD 188-141A	clg VENI97 1456 clg VENI99		'06
2.819,00	VENI96	unid NOR ?	2011	MIL.STD 188-141A	clg VENI89		'06
2.819,00	VENI97	unid NOR ?	1141	MIL.STD 188-141A	clg VENI88 also at 1209 At 1147 clg VENI99		'06
2.819,00	VENI99	unid NOR ?	1157	MIL.STD 188-141A	clg VENI88		'06

2.819,60	---	NATO system	2059	NATO-75 75/850	Continuous cipher stream	'07
2.823,00	---	unid NATO ?	0525	NATO-75? 75/20		'08
2.828,00	---	unid	1936	USB	tfc RUS MALE VOICE	'08
2.830,00	SVK	Olimpia Radio Kerkyra, GRC	2135	USB	WX/AV GRE	'08
2.832,50	---	unid DeltaFix Station	2106	PSK-4PH		'07
2.832,50	FAV22	CSTEI Favieres via Vernon, FRA	2216	CW	GRA 'NR 30 M 02 I 10 33 32 1981 BT NFSFL SNZDD ZEMJD'	'08
2.832,80	---	JEAC	2057	ARQ-E 46,2/170 27	tfc ARA 2100 tfc ARA	'08
2.834,00	---	unid location	1150	VERIPOS/4PSK/BURST		'07
2.835,00	---	unid	0517	CW	tfc SIMPLEX	'07
2.835,00	P20	Polish Forces, POL	2135	MIL.STD 188-141A snd		'08
2.836,95	---	JEAC	0100	BR6028/ARQ-E 46,2/170/USB/3CH	IDLE ON BOTH CH	'07
2.837,50	---	unid	0633	CW	tfc	'07
2.839,00	9CJQ	CIS Military	2120	CW	MAP de 9CJQ ZXW ZFT ZVK QSW8 K	'06
2.839,00	9RHD	CIS Military	2214	CW	Ends 5LG msg to unid TGXEB PEPWY 303 K 9RHD C IMI K	'05
2.839,60	"A"	Italian Navy ship	2336	USB/STANAG-4285	wkg E L and O, all ITN ships voice coord for data tfc	'07
2.840,00	---	fishermen	0804	USB	por d/x - madeira?	'07
2.840,70	---	Egyptian Diplo ?	1930	ARQ	SELCALs XXBK Offair 1932	'05
2.840,70	---	German CG ?	2023	ARQ 100/E/200	Selcals IMXU - no response Agn 2022 2	'05
2.842,00	---	Military	2240	NATO 100/850	tfc in cipher	'08
2.842,00	5VYJ	German Air Force station	1810	USB	wkg 1Z5X and 8B5H (both German Air Force stations)	'07
2.842,20	---	unid Military	2348	STANAG-4285/USB	tfc in cipher	'08
2.843,00	---	unid	0311	STANAG-4285	Very strong signal here prob. Canforce	'07
2.843,00	PBB	Netherland Navy Den Helder, NLD	2021	RTTY 75/850	availability "02B 04C 06B 08Y PBB"	'05
2.843,50	FAV22	CSTEI Favieres via Vernon, FRA	2016	CW	GRA NR 81 A 14 12 23 39 1980 BT GIITD DFUSR	'08
2.843,50	OWWP	RUS Military	2343	CW	GRN	'08
2.844,00	PBB	Duch Navy Den Helder, NLD	2332	RTTY 75/850		'05
2.844,00	YHF	Mossad Tel Aviv, ISR	0015	H3E/USB	GRA ING	'08
2.845,00	PBB	Duch Navy Den Helder, NLD	1303	RTTY 75/850	availability msg	'07
2.846,00	---	CIS Military	1817	CIS-75 75/250 26	tfc in cipher	'08
2.846,00	---	unid	0635	CW	tfc	'07
2.846,00	M51	Fort Valérian, FRA	1235	CW	Bt nr 42 j 13 14:35:33 1984 bt wpdxx yrrjh vcaep	'07
2.846,00	PBB	Dutch Navy Goeree Island, NLD	1813	RTTY 75-850	02a 04b 06a 08a 12a 16x.	'06
2.847,00	---	Military	2106	NATO-75 75/850	tfc in cipher	'08
2.847,00	---	unid	2050	RTTY 75/850	encrypted	'06
2.848,00	---	CIS Military	2124	CW	In 5LG tfc ööJJJ WLLSS UGSKC äYäHH C Stops	'05
2.849,50	FAV22	CSTEI Favieres via Vernon, FRA	1430	CW	bt nr 71 j 24 16 31 21 1984bt eyuol obgrc qhpcpg	'07
2.850,00	---	fishermen	1951	USB	hol d/x	'07
2.850,00	3411	unid	0802	MIL.STD 188-141A snd		'05
2.850,00	3434	unid	2313	MIL.STD 188-141A snd		'05
2.855,00	---	unid	0040	USB	tfc RUS	'08
2.860,00	---	unid	1937	USB	tfc RUS FEMALE VOICE	'08
2.860,00	---	Israelian Navy, ISR ?	1811	USB/SERIAL TONE HYBRID MODEM	short Modem Bursts	'08
2.864,00	---	fishermen ?	0753	USB	sp	'05
2.869,00	RQCI	Kuybyshev/Samara Volmet, RUS	1715	USB	WX RUS //6693,0	'08
2.869,00	RSKP	Novosibirsk Volmet, RUS	1720	USB	WX RUS //6693,0	'08
2.872,00	---	New York Radio, USA	0703	USB	Selcal check HPAK 27	'07
2.872,00	EIP	Shanwick - Shannon Air, IRL	2350	USB	clg /wkg Gander	'08
2.872,00	SPEEDBIRD5731	British Airways flight	2256	USB	wkg Shanwick Posn rpt	'08
2.872,00	VFG	Gander Radio NF, CAN	0739	USB	wkg "El Al 103" for pos rpt	'07
2.874,80	---	unid	2210	RTTY 75/500	RY/tfc	'07
2.880,00	---	fishermen	0600	USB	esp d/x	'07
2.882,00	---	Military	2015	NATO-100 100/850	tfc in cipher	'08
2.887,00	---	York Radio Air, USA	0543	USB	wkg "Air Europa 064" for pos rpt	'08
2.899,00	---	Gander Radio NF, CAN	0434	USB	wkg "American 60" for pos rpt	'07
2.899,00	---	Shanwick, IRL	0633	USB	c EKJP Reach 6262 N643DL DAL 75	'07
2.899,00	Air Canada864	Air Canada flight	0420	USB	c atc shanwick > dogal	'07
2.899,00	BKGJ	F-GSEA 747 Corsair 868	0510	USB	c atc nat shanwick	'07
2.899,00	EIP	Shanwick - Shannon, IRL	2242	USB	tfc ING	'08
2.899,00	ELHM	Reach507 N630AX DC10 OAC	0500	USB	c atc nat shannon	'07
2.899,00	FENDY43	---	0546	SELCAL	JSCP C21 53N030W 52N020W DINAM ,92	'07
2.899,00	OAE604	unid	0544	SELCAL	Omni Air selcal AJ-DE N612AX c/n 48290DC10-30	'07

2.899,00	REACH0185	unid	0916	USB			'06
2.899,00	REACH057	unid	0606	SELCAL	JMFL N277WA MD11 c/n 48743	USB	'07
2.899,00	REACH1064	unid	0628	USB	c atc nat		'08
2.899,00	REACH838	unid	2145	USB	N760NA B763 c/n 26257 despatch to NorthAmerican		'07
2.900,00	---	unid	1750	MIL.STD 188-141A	clg "STF"		'07
2.903,40	---	unid	2243	FSK 150/450	tfc in cipher		'08
2.903,50	---	unid	1954	ARQ-E ?			'07
2.905,00	---	unid	0015	USB ?	oriental language		'06
2.910,00	---	unid	2244	USB	tfc RUS SIMPLEX		'08
2.920,00	---	ATC ? CIS ?	2038	USB	Rus d/x		'07
2.925,00	---	unid	2045	USB	VOCODER tfc SIMPLEX		'08
2.932,00	---	MWARA Tokyo Air, JAP	1722	USB	NP3/4		'05
2.932,00	RFFN	Russian NCS 'RFF' Net	1947	CW	Works RFFO RFFM RFFch RFFR and RFFM on 3933 kHz		'06
2.935,00	---	ATC ? CIS ?	2041	USB	Rus d/x		'07
2.941,00	RFNV	Moskva Volmet, RUS	2110	USB	WX RUS 1740 WX RUS		'08
2.941,00	RLAP	Rostov na Donu Volmet, RUS	2055	USB	WX RUS 2125 WX RUS		'08
2.941,00	RNBF	Moscou Volmet, RUS	1911	USB	russ		'06
2.941,00	UTD	Sankt Peterburg Volmet, RUS	2105	USB	WX RUS		'08
2.941,00	UUB	Alma Ata Volmet, KAZ	1745	USB	WX RUS //6693,0		'08
2.943,00	---	unid	2114	USB	encrypted voice with beep		'05
2.950,00	---	fishermen ?	1954	USB	eng d/x pos		'07
2.950,00	555	unid	2108	CW	QRA ??? 2115 GRN		'07
2.959,00	YEL	unid	1948	MIL.STD 188-141A	clg "RED" WHIT AMDS/"BRO"/"GRE"		'07
2.962,00	CSY	Santa Mariasta Air, AZR	0611	USB	selcal c GJBD 130342 CFC kcc-130h /canadaair force		'06
2.965,00	---	Mumbai Volmet, IND	2325	USB	WX 'MUMBAI OUT'		'07
2.965,00	HSD	Bangkok Volmet, THA	2110	USB	WX		'08
2.971,00	---	Shanwick, IRL	0500	USB	c DRCQ c-gduz boeing767 air canada		'08
2.971,00	---	Gander Radio NF, CAN	0537	USB	Weak		'07
2.971,00	---	Shanwick Oceanic Control, IRL	0435	USB	wkg "Speedbird 184."		'08
2.971,00	AGEP	N196DN DAL	0621	USB	c atc nat shanwick		'07
2.971,00	CMHP	N362AA 767 AAL	0641	USB	c atc nat		'08
2.971,00	KLRS	N399AN 767 AAL/Approach Europe	0452	USB	c atc nat shanwick		'07
2.971,00	REACH338	unid	0640	USB	c atc nat/> kinga		'08
2.973,50	---	unid	2145	USB/MIL-STD 188-110-39T	tfc in cipher SIMILE		'07
2.980,00	---	fishermen	0538	USB	span d/x		'05
2.985,00	---	fishermen	1610	USB	isl? d/x		'07
2.989,00	---	Athens Aeradio, GRC	1959	USB	clg any station for radio check		'05
2.992,00	---	Amman Air ?	1612	USB	c pakistan162		'07
2.992,00	---	Bahrain Control Muhurraq, BHR	2136	USB	tfc ARA/ING		'07
2.996,00	---	fishermen	2054	CRY-2001/USB	Simplex		'07
2.998,00	---	Shanwick Oceanic Control, IRL	0325	HFDL	in ARINC 635		'07
2.998,00	A6-EHB	Etihad A340 Flight EY0304	2115	HFDL	Logs on to Shannon Air		'06
2.998,00	CN-ROC	Royal Air Maroc B737 Flight ATRAM8	2119	HFDL	Posn rpt 5128N 00029W		'06
2.998,00	D-ALCL	Lufthansa Cargo MD11F Flight LH8390	2055	HFDL	Posn rpt 5451N 027E via Shannon Air		'06
2.998,00	EIP	Shannon Air, IRL	2017	ACARS	SQUITTERS		'08
2.998,00	FDX9074	FedEx aircraft near Fritzlar	0650	HFDL	via shannon		'08
2.998,00	G-VWEB	Virgin Atl. A340 'Surfer Girl' Flt VS814P	2153	HFDL	Posn rpt 5029N 00055W		'06
2.998,00	VIR602	FAJS-EGLL near Joigny	0654	HFDL	via shannon		'08
2.999,80	---	unid French Forces "Capucine" ?	0540	USB	"... émissionde capucine pour le ... de vos recepteurs"		'05
3.000,00	---	fishermen	0439	USB	port ..."madeira"		'05
3.000,00	---	fishermen	1618	USB	fr d/x		'07
3.000,00	---	unid	0217	USB	mystery tones 1Khz low and 1Khz up 15 sec. intervals		'06
3.000,00	4101	unid	2104	MIL.STD 188-141A snd			'08
3.000,00	4102	unid	0053	MIL.STD 188-141A snd			'07
3.000,00	4201	unid	0351	MIL.STD 188-141A snd			'08
3.000,00	4XZ	Israelian Navy Haifa, ISR	2037	CW	VVV DE		'07
3.000,00	ALMARG	GMRA ?, LBY ?	2054	MIL.STD 188-141A	clg "HQ1"		'07
3.000,00	DER	GMRA Derma, LBY	2126	MIL.STD 188-141A	clg "HQ1"		'07
3.000,00	HQ1	GMRA Tripoli, LBY	2145	MIL.STD 188-141A	clg "BENGHAZI"		'07
3.007,00	XX7 ?	ODDITY unid propagation logger, RUS/UKR	1527	FSK	burst @100 bps also at 152710 At 152720 on 5007 kHz		'05
3.008,00	---	German vessel	1830	USB	OM/GG sx informal chats on an illegal used channel		'07

3.008,00	---	German truckers pirate ?, DEU	0643	USB	german d/x	'05
3.010,00	---	ldoc?	0648	USB	encrypted	'07
3.016,00	---	New York Air Radio Riverhead, USA	0726	USB	wkg "Reach 167"	'07
3.016,00	---	Comet	0916	USB	w/Spanish accent pos rpt	'06
3.016,00	---	101 "Gestair" Flight, ESP	0339	USB	wkg Shanwick fr pos/rep "46N 20W 0330 FL410	'08
3.016,00	---	Santa Maria Air Radio, AZR	0621	USB	selcal c EMBD 4R-ADC alk srilankan a340 25	'06
3.016,00	---	Shanwick - Shannon, IRL	0502	USB	work BLAJ ; DRMS n78004 b777 cont	'05
3.016,00	---	Santa Maria Oceanic Control, AZR	0422	USB	wkg "Speedbird 247" for pos rpt	'08
3.016,00	BGAP	Us Air730 Santiago N255AY 767 /I-BIXL	0442	USB	c atc nat shanwick	'07
3.016,00	N18TM	US BizZ jet of HFA Global LLC	0443	USB	wkg Shanwick NAT-A w/req fr FL450	'08
3.016,00	OOM116	OOM116 Zoom Canada C-GZNA B763	0650	SELCAL	PQ-CD C/n 27957	'07
3.016,00	REACH336	unid	0456	USB	selcal failure confirmed by pilote c atc nat shanwic	'08
3.016,00	REACH3603	unid	2010	SELCAL	CQDK C-17 Globemaster 93-0603 P-19overhead SOMAX USB	'07
3.016,00	SPEEDBIRD247	British Airways flight	2300	USB	wkg Shanwick Posn rpt and Selcal chk BFPR	'08
3.016,00	TFL716	Arke Fly PH-AHX B763, NLD	0640	SELCAL	CR-BE c/n 24847	'07
3.020,00	---	fishermen	1956	USB	sp d/x "malaga..."	'07
3.026,00	GFF	RAF Kinloss Rescue, GBR	0407	USB	wkg RESCUE 122 w/sitrep after neg try on 5680 kHz	'08
3.027,40	---	Swiss Military	1918	SUI-MIL/220/300	until 1920 then gone	'07
3.029,00	CHARLIE3	French Forces ?	0656	USB/RTTY ?	yl fr d/x	'08
3.029,00	UNIFORM INDIA	French Navy Ajaccio, FRA	1940	USB/NATO-75/75/850 with KG-84	Military style comms in French and French-accented	'08
3.029,70	HWK	Swedish Navy Karlskrona, SWE	1930	USB/MIL.STD 188-110/Ser.Tone	1200Bps/L.Int Msgs' every half+full Hour	'08
3.030,00	---	fishermen	0720	USB	sp d/x "mariscos"	'08
3.032,00	---	unid	1910	RTTY 75/850	encrypted	'06
3.032,00	---	unid Military	1935	NATO-100 100/850	tfc in cipher	'08
3.033,00	---	Irish fishermen	2034	USB	Heavy accent much swearing	'06
3.033,30	---	unid	0000	USB ?	oriental language	'06
3.035,00	---	fishfone	2038	CRY-2001-2001/USB	Male and female voice scrambler with digital synch	'06
3.035,00	BD22	Algerian Police, DZA	1827	MIL.STD 188-141A	clg "BD20"	'08
3.035,00	RM20	Algerian Police, DZA	1822	MIL.STD 188-110A/USB	tfc in cipher	'08
3.035,00	VK21	Algerian Police, DZA	1820	MIL.STD 188-141A	clg "RM20"	'08
3.035,00	YG20	Algerian National Guard, DZA	2054	USB	VOCODER tfc	'07
3.035,00	ZT20	Algerian National Guard, DZA	2054	USB	VOCODER tfc	'07
3.035,00	ZT20	Algerian National Guard, DZA	2053	MIL.STD 188-141A	clg "YG20"	'07
3.035,00	ZT21	Algerian Police, DZA	1834	MIL.STD 188-141A	clg "RM20"	'08
3.043,50	---	prob. Swiss Air Defence, SUI	1756	FSK 100/170	tfc in cipher //3044,5 TWINS	'08
3.043,50	G8E	Norwegian Navy ship	2247	USB	wkg 9YF (RNorN ship) some short ship/ship comms	'06
3.044,00	FUI	French Navy Ajaccio, FRA ?	2000	USB	c G6R * nav?ou unid flight	'07
3.044,50	---	unid	1756	FSK 100/170	tfc in cipher //3043,5 TWINS	'08
3.046,00	---	fishermen	0559	USB	fra	'06
3.049,20	T01204	US Army 1-204 Avn on KFOR Deployment Kosova	0332	MIL.STD 188-141A snd	unid location	'08
3.049,20	T3Z238	US Military	1802	MIL.STD 188-141A snd	every 30 min 25	'06
3.063,00	NAV12	unid	1400	RTTY 50/1000	F89NNA DE NAV12//015 FUL..TEST TEST TEST RYRYRYRXRYRYRY	'05
3.065,00	---	unid	0046	Link-11		'06
3.066,00	T01185	US Army Assault Bn Aviation, USA	0434	MIL.STD 188-141A snd		'07
3.068,00	CRONPR	US SIPRINet Station RAF Croughton, GBR	2135	MIL.STD 188-141A snd		'04
3.068,00	KWS57	US Embassy ?	0930	MIL.STD 188-141A	wkg KWS93 US Embassy ?	'05
3.069,00	---	unid	0442	MIL.STD 188-141A snd		'05
3.071,00	FPI	French Navy Saint Assise, FRA	2120	USB	YL/FF sx wkg 1SG	'07
3.074,00	---	unid	1825	USB/MIL.STD188-110/39tone	modified 1 fem and 2 male in contact	'07
3.075,50	---	unid Military	1744	MIL.STD-188 110A/USB	tfc in cipher	'08
3.080,00	---	unid fishermen	2246	CRY-2001/USB	Male voices	'05
3.080,00	IER	SIRIO50 Italian Guardia di Finanza, ITA	1748	USB	clg /wkg "GRIFO14" 1750 clg /wkg "SIRIO10"	'08
3.080,00	IER	GRIFO14 a/c Italian Guardia di Finanza, ITA	1748	USB	wkg "SIRIO50"	'08
3.080,00	IER	SIRIO10 Italian Guardia di Finanza, ITA	1754	USB	wkg "SIRIO50"	'08
3.081,00	BIRRETE	unid	0356	USB	in comm w/"Decano" sending 5LG and ship pos	'05
3.086,00	CRONPR	US NIPRINet Station RAF Croughton,GBR	2117	MIL.STD 188-141A snd		'04
3.086,00	MEF	unid Royal Air Force a/c	1027	MIL.STD 188-141A	clg XSS UK-DHFCS NCS ForestMoor	'08
3.086,00	XSS	TASCOM DHFCS NCS Forest Moor, GBR	1027	MIL.STD 188-141A	clg MEF unid Royal Air Force A/c	'08
3.094,00	AWMY	unid	1228	CW	vvv vvv vvv awmy 2tt5 11 28 21tt 27674 61x51 8x21t	'05
3.095,00	---	unid	1630	CW	63x59 71ttt xxxxxx xxxxxx58t8t 4tx59 71ttt xxxxxx	'05
3.095,00	XSS	TASCOMM NCS Forest Moor, GBR	0011	MIL.STD 188-141A snd		'08

3.097,70	---	CIS Chit Chat Pirates	1835	AM	OM/Russian informal chats Found these CB-styled QSO's	'07
3.100,00	---	unid	0612	USB	tfc ITA SIMPLEX	'07
3.102,00	---	Khabarovsk ACC	0900	USB	net roll call/radio checks w/Petropavlovsk -Kamchatskiy	'04
3.105,00	8QM	unid	1942	MIL.STD 188-141A	wkng TAK+MILSTD 188-110 Serial modem encrypted	'05
3.105,00	RM40	Algerian National Guard, DZA	2052	MIL.STD 188-141A	clg "VR40"	'08
3.105,00	TAK	Polish Military, POL	2045	MIL.STD 188-141A	clg 8QM who responds Very active net	'05
3.105,00	VR4	Algerian Military, DZA	2126	MIL.STD 188-141A	to VR4	'08
3.105,00	VR40	Algerian Military, DZA	2335	MIL.STD 188-141A	clg VR56	'08
3.105,00	VR41	Algerian National Guard, DZA	2029	MIL.STD 188-141A	clg "VR40"	'07
3.105,00	VR43	Algerian National Guard, DZA	1819	USB	VOCODER tfc	'07
3.105,00	VR44	Algerian National Guard, DZA	1908	USB	VOCODER tfc	'07
3.105,00	VR45	Algerian National Guard, DZA	1949	MIL.STD 188-141A	clg "VR40"	'07
3.105,00	VR46	Algerian National Guard, DZA	1915	MIL.STD 188-141A	clg "VR43"	'07
3.105,00	VR47	Algerian National Guard, DZA	2133	MIL.STD 188-141A	clg "VR46"	'07
3.105,00	VR48	Algerian National Guard, DZA	2127	MIL.STD 188-141A	clg "VR40"	'08
3.105,00	VR50	Algerian Military, DZA	2111	MIL.STD 188-141A	clg VR52	'07
3.105,00	VR51	Algerian National Guard, DZA	1946	MIL.STD 188-141A	clg "VR52"	'07
3.105,00	VR52	Algerian National Guard, DZA	2055	MIL.STD 188-141A	clg "VR57"	'08
3.105,00	VR53	Algerian Military, DZA	2328	MIL.STD 188-141A	clg VR40	'08
3.105,00	VR56	Algerian Military, DZA	2335	MIL.STD 188-141A	clg VR40	'08
3.105,00	VR57	Algerian National Guard, DZA	1923	USB	VOCODER tfc	'07
3.105,00	VR60	Algerian National Guard, DZA	1954	MIL.STD 188-141A	clg "RM40"	'07
3.105,00	VR72	Algerian National Guard, DZA	2125	MIL.STD 188-141A	clg "VR40"	'08
3.106,85	---	unid	2340	FSK 96/500	tfc in cipher	'08
3.110,00	---	unid language	1722	USB	sounded nordic 25	'06
3.110,50	---	fishermen	1957	USB	fr d/x	'07
3.111,00	---	fishermen	2119	USB	ff d/x	'05
3.113,00	CROSPR	Croughton SIPR NET	2120	MIL.STD 188-141A	wkg E30001DAT E-3B 79-0001	'05
3.113,00	KWT51	US Embassy ?	1023	MIL.STD 188-141A	wkg KWX92 US Embassy	'05
3.113,00	PLASPR	SIPRnet	0347	MIL.STD 188-141A snd		'06
3.116,00	DHM42	Gluecksburg Rescue, DEU	1806	USB	wkg DRCN P6126 S80 "HYÄNE" 6.SG Warnemünde	'08
3.116,60	---	unid	2033	FSK 250/170	tfc in cipher	'07
3.117,00	---	fishermen	0503	USB	fre d/x	'07
3.118,00	---	unid	0249	FSK 75/850	Very low signals-Poss STANAG 4481	'05
3.118,00	---	fishermen?	2049	USB	eng d/x	'07
3.120,00	---	unid	0623	USB	spanish speech inversion	'06
3.120,00	---	pirate ?	0653	USB	russ d/x	'06
3.120,00	LOF	AN Mar Del Plata	0107	RTTY 100/170	5LG	'05
3.120,00	LOR	AN Pto Belgrano	0145	RTTY 100/170	5LG	'05
3.121,50	---	fishermen	0748	USB	fff d/x	'05
3.127,00	---	unid US Navy	0240	STANAG-4481		'05
3.128,00	---	pirates	1901	USB	pol d	'07
3.128,00	---	Polish Fisherman ?	2005	USB	2 OM next sked in 30min	'05
3.128,00	DELTA	FOXTROT & other US Navy stations	0103	USB	sporadic net operation voice	'05
3.132,50	---	unid	0103	FSK 100/170	tfc in cipher	'07
3.133,00	---	unid	0540	RTTY 75/850	encrypted	'06
3.133,00	---	unid Military	0647	NATO-75 75/850	tfc in cipher	'08
3.134,00	AAG	unid, ISR ?	1902	MIL.STD 188-141A	wkng AAD	'05
3.137,00	---	USN JNR Roosevelt Roads Salinas AB, PTR	0213	MIL.STD 188-141A snd		'07
3.137,00	170037	USAF C-5 87-0037	2156	MIL.STD 188-141A	clg AED/ Elmendorf AFB Alaska	'05
3.137,00	190007	C-5 69-0007	1224	MIL.STD 188-141A	wkg CRO Croughton HF-GCS 01	'05
3.137,00	190023	USAF C-5A Galaxy Tail 69-0023	0222	MIL.STD 188-141A snd	HF-GCS Scope Command	'05
3.137,00	250107	C-17A Globemaster Tail 95-0107 437AW/315AW	0006	MIL.STD 188-141A	"Spirt of North Charleston" snd	'05
3.137,00	290067	prob. USAF C-17 99-0067	2151	MIL.STD 188-141A snd		'04
3.137,00	291191	C-17 89-1191	2200	MIL.STD 188-141A	wkg GUA Guam HF-GCS	'05
3.137,00	523551	KC-135 62-3551	1847	MIL.STD 188-141A snd		'05
3.137,00	538019	USAF KC135 Tail 63-8019	0638	MIL.STD 188-141A snd	HF-GCS Scope Command Also on 4721	'05
3.137,00	59001493	USAF KC135 Tail 59-1493	1125	MIL.STD 188-141A snd	prob. Ground maint test HF-GCS Scope Command 020	'05
3.137,00	BIO	09/08 BIO JDG HF-GCS Diego Garcia	0158	MIL.STD 188-141A snd		'05
3.137,00	CRO	US GHFS Stn RAF Croughton, GBR	1712	MIL.STD 188-141A snd		'04
3.137,00	DEFAULT	prob. test txxm USAF	1553	MIL.STD 188-141A snd		'07

3.137,00	ICZ	Sigonella HF-GCS	0524	MIL.STD 188-141A	wkg CRO Croughton HF-GCS 21	'05
3.137,00	INGEZ	2/238th Avn IN NG Shelbyville	1149	MIL.STD 188-141A snd	Also snd on 06721,00	'07
3.137,00	PLA	US GHFS Stn Lajes, AZR	2014	MIL.STD 188-141A snd		'06
3.137,00	RIC	Civil Air Patrol Tech. Ctr. Richmond, USA	0930	MIL.STD 188-141A snd		'07
3.137,00	SDF	unid	0035	MIL.STD 188-141A snd	Also noted snd on 05708 USB NOTE New HF-GSC station	'07
3.137,00	UKE302	RAF Waddington, GBR	1139	MIL.STD 188-141A snd	prob. E-3D Boeing Sentry AEW1 ZH102 RAF 8 Sqn/No 23 Sqn	'05
3.137,00	UKE303	RAF Waddington, GBR	1444	MIL.STD 188-141A	E-3D Boeing Sentry AEW1 ZH103 RAF 8 Sqn/No23 Sqn	'05
3.137,00	UKE304	RAF Waddington, GBR	1059	MIL.STD 188-141A	E-3D Boeing Sentry AEW1 ZH104 RAF 8 Sqn/No23 Sqn	'05
3.137,00	UKE307	RAF Waddington, GBR	0810	MIL.STD 188-141A snd	E-3D Boeing Sentry AEW1 ZH107 RAF 8 Sqn/No23 Sqn	'05
3.142,50	---	fishermen	0456	USB	fra d/x technical matte	'06
3.143,00	GAF921	unid German Air Force	1625	USB	wkg DHM91 German Air Force Muenster Flight to Vienna	'08
3.143,00	JGZ64	German Air Force Flight, DEU	0653	USB	selcall chk	'07
3.146,00	IDR	Italian Navy Delta Romeo, ITA	1939	USB	tfc ITA/ wkg "3CZ" SIMPLEX	'07
3.146,50	---	Breton fishermen	0738	USB	fr d/x /back to harbour	'07
3.148,00	IDR	NATO/Italian Navy Rome, ITA	1933	NATO-75 75/850	tfc in cipher @ 3146,0 USB	'07
3.149,00	JL10	unid	2230	USB	clg JB16	'06
3.149,00	ZT20	Algerian Military, DZA	2226	MIL.STD 188-141A	clg BK23	'08
3.150,00	OPQ	Lithuanian Military	1729	MIL.STD 188-141A	clg OP1 26	'06
3.150,00	PCD	Mossad Tel Aviv, ISR	2007	USB+CARRIER	YL in 5LG traffic	'08
3.150,00	PCD2	Mossad Tel Aviv, ISR	1958	USB	null msg //04270	'06
3.154,20	HMA	DPRK Pyongyang Meteo, KOR	1732	CW	Channel marker	'05
3.155,00	---	unid	2002	MIL.STD 188-141A snd		'05
3.155,00	100	Ministry of Interior, MRC	2242	MIL.STD 188-141A	clg 1302 Ministry of Interior, MRC	'08
3.155,00	1001	Ministry of Interior, MRC	2300	MIL.STD 188-141A	clg 1304 Ministry of Interior, MRC	'08
3.155,00	1001	Protection Civile Marocaine, MRC	2243	MIL.STD 188-141A	clg 1306	'06
3.155,00	1001	Moroccan Dispatch Center, MRC	2133	MIL.STD 188-141A	clg 1104	'07
3.155,00	1002	Ministry of Interior, MRC	0307	MIL.STD 188-141A snd		'08
3.155,00	1002	Moroccan Dispatch Center, MRC	0236	MIL.STD 188-141A snd		'07
3.155,00	10111	Moroccan Dispatch Center, MRC	2234	MIL.STD 188-141A snd		'08
3.155,00	1103	Moroccan Dispatch Center, MRC	2219	MIL.STD 188-141A snd		'08
3.155,00	11031	Moroccan Dispatch Center, MRC	0559	MIL.STD 188-141A snd		'08
3.155,00	1104	Moroccan dispatch Center, MRC	2221	MIL.STD 188-141A		'05
3.155,00	11041	Moroccan Dispatch Center, MRC	2218	MIL.STD 188-141A snd		'08
3.155,00	11042	Moroccan Dispatch Center, MRC	0539	MIL.STD 188-141A snd		'07
3.155,00	11042	Protection Civile Marocaine, MRC	1855	MIL.STD 188-141A snd		'07
3.155,00	11043	Moroccan Dispatch Center, MRC	0657	MIL.STD 188-141A snd		'08
3.155,00	1105	Moroccan Dispatch Center, MRC	0220	MIL.STD 188-141A snd		'07
3.155,00	1105	prob. Moroccan Civil Defence, MRC	2349	MIL.STD 188-141A snd		'07
3.155,00	1106	Moroccan Civil Defence, MRC Net	2256	MIL.STD 188-141A snd		'07
3.155,00	1106	Moroccan Dispatch Center, MRC	2127	MIL.STD 188-141A	clg "1103"	'07
3.155,00	11061	Moroccan Dispatch Center, MRC	0536	MIL.STD 188-141A snd		'07
3.155,00	11062	Moroccan Dispatch Center, MRC	1938	MIL.STD 188-141A snd		'08
3.155,00	11063	Moroccan Dispatch Center, MRC	2034	MIL.STD 188-141A snd		'08
3.155,00	11063	Ministry of Interior, MRC	0628	MIL.STD 188-141A snd		'08
3.155,00	11064	Moroccan Dispatch Center, MRC	0521	MIL.STD 188-141A snd		'08
3.155,00	1108	Moroccan Dispatch Center, MRC	0134	MIL.STD 188-141A snd		'07
3.155,00	11113	Moroccan Dispatch Center, MRC	0057	MIL.STD 188-141A snd		'08
3.155,00	1113	Moroccan Dispatch Center, MRC	0227	MIL.STD 188-141A snd		'07
3.155,00	11141	Moroccan Dispatch Center, MRC	2221	MIL.STD 188-141A snd		'07
3.155,00	11143	Moroccan Dispatch Center, MRC	0200	MIL.STD 188-141A snd		'07
3.155,00	1115	Moroccan Dispatch Center, MRC	0143	MIL.STD 188-141A snd		'08
3.155,00	1116	Moroccan Dispatch Center, MRC	0234	MIL.STD 188-141A snd		'07
3.155,00	1116	Protection Civile Marocaine, MRC	2241	MIL.STD 188-141A snd		'06
3.155,00	11162	Moroccan Dispatch Center, MRC	0040	MIL.STD 188-141A snd		'08
3.155,00	11163	Moroccan Dispatch Center, MRC	1930	MIL.STD 188-141A snd		'08
3.155,00	11164	Moroccan Dispatch Center, MRC	0022	MIL.STD 188-141A snd		'08
3.155,00	1117	Moroccan Dispatch Center, MRC	2038	MIL.STD 188-141A snd		'08
3.155,00	1118	unid	2058	MIL.STD 188-141A		'05
3.155,00	1119	Moroccan Dispatch Center, MRC	0205	MIL.STD 188-141A snd		'07
3.155,00	1301	Moroccan Dispatch Center, MRC	2201	MIL.STD 188-141A	clg "3001"	'07
3.155,00	130111	Moroccan Dispatch Center, MRC	2109	MIL.STD 188-141A snd		'08

3.155,00	1302	Moroccan Dispatch Center, MRC	2028	MIL.STD 188-141A	snd		'08
3.155,00	13021	Moroccan Dispatch Center, MRC	0200	MIL.STD 188-141A	snd		'08
3.155,00	13021	Ministry of Interior, MRC	0256	MIL.STD 188-141A	snd		'08
3.155,00	1303	Moroccan Dispatch Center, MRC	0155	MIL.STD 188-141A	snd		'08
3.155,00	1304	Moroccan Dispatch Center, MRC	1932	MIL.STD 188-141A	snd		'08
3.155,00	1305	Moroccan Dispatch Center, MRC	0205	MIL.STD 188-141A	snd		'08
3.155,00	13051	Moroccan Dispatch Center, MRC	0045	MIL.STD 188-141A	snd		'08
3.155,00	13051	MOI/Direction de la Protection Civile, MRC	2246	MIL.STD 188-141A	snd		'07
3.155,00	13052	Moroccan Dispatch Center, MRC	0028	MIL.STD 188-141A	snd		'08
3.155,00	1306	Moroccan Dispatch Center, MRC	2156	MIL.STD 188-141A		clg "3001"	'07
3.155,00	13071	Moroccan Dispatch Center, MRC	1949	MIL.STD 188-141A	snd		'08
3.155,00	13081	unid	0813	MIL.STD 188-141A	snd		'06
3.155,00	1309	Moroccan Dispatch Center, MRC	2025	MIL.STD 188-141A	snd		'08
3.155,00	13091	Moroccan Dispatch Center, MRC	0519	MIL.STD 188-141A	snd		'07
3.155,00	1311	Moroccan Dispatch Center, MRC	2152	MIL.STD 188-141A	snd		'08
3.155,00	13111	Moroccan Dispatch Center, MRC	2013	MIL.STD 188-141A	snd		'08
3.155,00	1312	Moroccan Dispatch Center, MRC	2331	MIL.STD 188-141A	snd		'08
3.155,00	13121	Moroccan Dispatch Center, MRC	0051	MIL.STD 188-141A	snd		'08
3.155,00	13122	unid	2249	MIL.STD 188-141A	snd		'07
3.155,00	13132	Moroccan Dispatch Center, MRC	1937	MIL.STD 188-141A	snd		'08
3.155,00	13133	Moroccan Dispatch Center, MRC	0013	MIL.STD 188-141A	snd		'08
3.155,00	13141	Moroccan Dispatch Center, MRC	0205	MIL.STD 188-141A	snd		'08
3.155,00	131411	Moroccan Dispatch Center, MRC	2013	MIL.STD 188-141A	snd		'08
3.155,00	1315	Moroccan Dispatch Center, MRC	0132	MIL.STD 188-141A	snd		'07
3.155,00	13151	Moroccan Dispatch Center, MRC	0658	MIL.STD 188-141A	snd		'08
3.155,00	1316	Moroccan Dispatch Center, MRC	2206	MIL.STD 188-141A	snd		'07
3.155,00	1317	Moroccan Dispatch Center, MRC	1902	MIL.STD 188-141A		clg "10111"	'08
3.155,00	13171	Moroccan Civil Defence, MRC	0542	MIL.STD 188-141A	snd		'08
3.155,00	1318	Moroccan Dispatch Center, MRC	2117	MIL.STD 188-141A	snd		'08
3.155,00	13181	Moroccan Dispatch Center, MRC	0552	MIL.STD 188-141A	snd		'07
3.155,00	13181	Moroccan Civil Defence, MRC	0542	MIL.STD 188-141A	snd		'08
3.155,00	13182	Ministry of Interior, MRC	0121	MIL.STD 188-141A	snd		'08
3.155,00	13182	Moroccan Dispatch Center, MRC	0531	MIL.STD 188-141A	snd		'07
3.155,00	1321	Moroccan Dispatch Center, MRC	0150	MIL.STD 188-141A	snd		'07
3.155,00	13211	Moroccan Dispatch Center, MRC	0550	MIL.STD 188-141A	snd		'07
3.155,00	1323	Moroccan Dispatch Center, MRC	0130	MIL.STD 188-141A	snd		'07
3.155,00	13231	Moroccan Dispatch Center, MRC	0009	MIL.STD 188-141A	snd		'08
3.155,00	1324	Moroccan Dispatch Center, MRC	0143	MIL.STD 188-141A	snd		'07
3.155,00	13241	Moroccan Dispatch Center, MRC	2114	MIL.STD 188-141A	snd		'08
3.155,00	1325	Moroccan Dispatch Center, MRC	2200	MIL.STD 188-141A	snd		'07
3.155,00	13251	Moroccan Dispatch Center, MRC	1951	MIL.STD 188-141A	snd		'08
3.155,00	13252	Moroccan Dispatch Center, MRC	0042	MIL.STD 188-141A	snd		'08
3.155,00	1326	Moroccan Dispatch Center, MRC	0254	MIL.STD 188-141A	snd		'07
3.155,00	13262	Moroccan Dispatch Center, MRC	0546	MIL.STD 188-141A	snd		'07
3.155,00	13262	Ministry of Interior, MRC	0129	MIL.STD 188-141A	snd		'08
3.155,00	13263	Moroccan Dispatch Center, MRC	0517	MIL.STD 188-141A	snd		'07
3.155,00	200	Civile Protection Marocaine, MRC	2254	MIL.STD 188-141A		clg 2514	'06
3.155,00	2001	Moroccan Civil Protection, MRC	2147	MIL.STD 188-141A	snd		'07
3.155,00	2001	MOI/Direction de la Protection Civile, MRC	2231	MIL.STD 188-141A		clg 2517	'06
3.155,00	2001	Moroccan Dispatch Center, MRC	2153	MIL.STD 188-141A		clg "2205"	'07
3.155,00	2002	Moroccan Dispatch Center, MRC	0239	MIL.STD 188-141A	snd		'07
3.155,00	2011	Moroccan Dispatch Center, MRC	2217	MIL.STD 188-141A	snd		'07
3.155,00	2011	Civile Protection Marocaine, MRC	1941	MIL.STD 188-141A		clg 2216	'06
3.155,00	20111	Moroccan Dispatch Center, MRC	1920	MIL.STD 188-141A		clg "2413"	'08
3.155,00	2014	Moroccan Dispatch Center, MRC	1911	MIL.STD 188-141A		clg "2211"	'08
3.155,00	20141	Moroccan Dispatch Center, MRC	0031	MIL.STD 188-141A	snd		'08
3.155,00	2015	Moroccan Dispatch Center, MRC	1959	MIL.STD 188-141A		clg "2415"	'08
3.155,00	2201	Moroccan Dispatch Center, MRC	2154	MIL.STD 188-141A	snd		'07
3.155,00	2203	Moroccan Dispatch Center, MRC	0127	MIL.STD 188-141A	snd		'07
3.155,00	2204	Moi/Direction de la Protection Civile, MRC	2346	MIL.STD 188-141A		clg 1001	'07
3.155,00	2204	Moroccan Dispatch Center, MRC	2014	MIL.STD 188-141A	snd		'08

3.155,00	2205	Moroccan Dispatch Center, MRC	0310	MIL.STD 188-141A snd		'07
3.155,00	2211	Moroccan Dispatch Center, MRC	2214	MIL.STD 188-141A snd		'08
3.155,00	22111	Moroccan Dispatch Center, MRC	0520	MIL.STD 188-141A snd		'08
3.155,00	22123	Moroccan Dispatch Center, MRC	0024	MIL.STD 188-141A snd		'08
3.155,00	2214	Moroccan Dispatch Center, MRC	0114	MIL.STD 188-141A snd		'08
3.155,00	2216	Moroccan Dispatch Center, MRC	0117	MIL.STD 188-141A snd		'07
3.155,00	2401	Ministry of Interior, MRC	0619	MIL.STD 188-141A snd		'08
3.155,00	2401	Moroccan Dispatch Center, MRC	1925	MIL.STD 188-141A snd		'08
3.155,00	24011	Moroccan Dispatch Center, MRC	0025	MIL.STD 188-141A snd		'08
3.155,00	2402	Moroccan Dispatch Center, MRC	0130	MIL.STD 188-141A snd		'08
3.155,00	2403	Moroccan Dispatch Center, MRC	0148	MIL.STD 188-141A snd		'07
3.155,00	2407	Moroccan Dispatch Center, MRC	0628	MIL.STD 188-141A snd		'08
3.155,00	2407	Moroccan Dispatch Center, MRC	0146	MIL.STD 188-141A snd		'07
3.155,00	2411	Moroccan Dispatch Center, MRC	0142	MIL.STD 188-141A snd		'07
3.155,00	2411	Moroccan Dispatch Center, MRC	0638	MIL.STD 188-141A snd		'08
3.155,00	2418	Moroccan Dispatch Center, MRC	0148	MIL.STD 188-141A snd		'07
3.155,00	2419	Moroccan Dispatch Center, MRC	0256	MIL.STD 188-141A snd		'07
3.155,00	2419	Moroccan Dispatch Center, MRC	0635	MIL.STD 188-141A snd		'08
3.155,00	2513	Moroccan Dispatch Center, MRC	0307	MIL.STD 188-141A snd		'07
3.155,00	2514	Moroccan Dispatch Center, MRC	0218	MIL.STD 188-141A snd		'07
3.155,00	2518	Moroccan Dispatch Center, MRC	0148	MIL.STD 188-141A snd		'07
3.155,00	3001	Moroccan Dispatch Center, MRC	0208	MIL.STD 188-141A snd		'07
3.155,00	3001	Moroccan Dispatch Center, MRC	2158	MIL.STD 188-141A	clg "2408"	'08
3.155,00	3009	Moroccan Dispatch Center, MRC	2142	MIL.STD 188-141A	clg "1104"	'07
3.155,00	8001	Moroccan Dispatch Center, MRC	0659	MIL.STD 188-141A snd		'08
3.155,00	9001	Moroccan Dispatch Center, MRC	0710	MIL.STD 188-141A snd		'08
3.155,00	BY11	unid	1802	MIL-STD-188-141/2G		'05
3.155,00	WRCCBUFFALO	unid	0443	LSB/MIL.STD 188-141A snd	Also snd on 04438	'07
3.156,00	---	unid	2225	LSB	Arab/french voices	'05
3.157,00	FDG	French Air Force Bourdeaux, FRA	2032	RTTY 50/425	Test "VOYEZ LE BRICK..." 16	'05
3.157,00	RMN	Malysian Navy, MLA	2220	RTTY 50/850	USB extrange sound	'05
3.158,00	BJ22	Algerian MOI/Military, DZA	1759	MIL.STD 188-141A	"TO:UM22 TIS:BJ22"	'06
3.158,00	FDG	French Air Force Bordeaux, FRA	1940	RTTY 50/400	Brick tests	'05
3.159,00	1D9D	CIS Military	2229	CW	Comms check with at least BAS3 MZ2P ?ZLU ZBWS and HVKA	'06
3.159,00	9MR5	Royal Malaysian Navy Johore Bahru, MLA	2013	RTTY 50/850	9MR 5/10/11 MRB RY/SG 02	'08
3.159,00	CDN9	unid	2317	CW	clg SJ9U then clng BQR7 then 7TEP BSTL? and HQVR	'07
3.159,40	---	unid	2105	FEC 100/170/POL-ARQ ?	encrypted	'06
3.160,00	---	Yuzhno-Sakhalinsk Radio	1157	USB	phone patches	'04
3.160,00	---	unid	0335	MIL.STD 188-141A	Link Protection clg w/reply into "-110A" tfc	'07
3.161,00	---	CIS Military	1931	81-81 81/250	In tfc 3180,50 is probably the QSX	'07
3.161,00	XFU	unid 'XSS Net'	1855	MIL.STD 188-141A snd		'06
3.161,00	XGH	unid	0801	MIL.STD 188-141A	clg XSS 0804 responds to XSS 0808 clng XSS	'06
3.161,00	XKA	unid XSS net	1358	MIL.STD 188-141A	clg XSS	'06
3.161,00	XKW	unid	1411	MIL.STD 188-141A	clg XSS	'08
3.161,00	XSS	NATO NC3A, NLD	1502	MIL.STD 188-141A snd		'07
3.161,00	XSS	NATO NC3A Europe	1148	MIL.STD 188-141A snd		'06
3.161,00	XSS	prob. British MOD net	0714	MIL.STD 188-141A snd	Also noted snd on 4166, 4226.5, 6243 and 8108,5	'07
3.162,00	3OZP	CIS Military	2111	CW	3OZP R 386 K	'06
3.162,00	T5D1	CIS Military	2136	CW	Message for 4VS7 T5D1 183 23 24 0102 = 183 = 943	'06
3.163,00	---	CSTEI Favieres via Vernon, FRA	1904	CW	GRA TIME DATE BT txt //3167	'07
3.164,00	AC23	Algerian National Guard, DZA	2139	MIL.STD 188-110A/USB	SEND MSGS TO "AC23"	'08
3.164,00	CGIJ	CIS Military	2153	CW	ZE2D de CGIJ QBE QYT6 K	'06
3.164,00	ND20	Algerian National Guard, DZA	2210	MIL.STD 188-141A	clg "ZT20"	'08
3.164,00	ND21	Algerian National Guard, DZA	2203	MIL.STD 188-110A/USB	SEND MSGS TO "ZT20"	'08
3.164,00	ND25	Algerian National Guard, DZA	2230	MIL.STD 188-110A/USB	SEND MSGS TO "ZT20"	'08
3.164,00	ZT20	Algerian National Guard, DZA	2204	MIL.STD 188-141A	clg "ND21"	'08
3.166,50	---	unid	0736	ARQ-E 85.7/170	idling	'06
3.167,00	"P"	Beacon Kaliningrad, RUS	2315	CW	QRA	'07
3.167,00	---	CSTEI Favieres via Vernon, FRA	1904	CW	GRA TIME DATE BT txt //3163	'07
3.167,00	---	TWBB2 Spanish CG Barcelona, ESP	2133	MIL.STD 188-141A	clg "TXK2"	'07
3.167,00	7AI	unid	1007	USB	wkg 6HA How do you receive my timber?	'08

3.167,00	B2U	Algerian National Guard, DZA	2048	MIL.STD 188-141A	clg "RM01"	'08
3.167,00	EHD5	TWVO2 Spanish Guardia Civile Soria, ESP	2303	MIL.STD 188-141A	clg "TXX2"	'07
3.167,00	EHG38	TWBL2 Spanish Guardia Civile Lerida, ESP	2212	MIL.STD 188-141A	clg "TXX2"	'07
3.167,00	EHL05	TWBG2 Spanish Guardia Civile Girona, ESP	2212	MIL.STD 188-141A	clg "TXX2"	'07
3.167,00	EHM3	TWVZ2 Spanish Guardia Civile Zaragoza, ESP	2133	MIL.STD 188-141A	clg "TXX2"	'07
3.167,00	EHP5	TWVA2 Spanish Guardia Civile Avila, ESP	2244	MIL.STD 188-141A	clg "TXX2"	'07
3.167,00	Gator	coordination net	0128	USB		'07
3.167,00	JB01	Algerian Military, DZA	2341	MIL.STD 188-141A	to TP01 w/LQA who replied 2355z to RM01 w/LQA	'07
3.167,00	RM01	Algerian National Guard, DZA	2150	MIL.STD 188-141A	clg "RM01" 2208 clg "XT01"	'08
3.167,00	TD01	Algerian National Guard, DZA	0158	MIL.STD 188-141A	clg "TP01" 0358 clg "TP01"	'08
3.167,00	TP01	Algerian National Guard, DZA	2258	MIL.STD 188-141A	clg "TD01"	'08
3.167,00	TWLC2	Spanish Guardia Civile Cantabria, ESP	2240	MIL.STD 188-141A	clg "TXX1" 1928 clg "TXX1"	'08
3.167,00	TWVB2	Guardia Civile Burgos, ESP	0135	MIL.STD 188-141A	clg TYMG2 Guadalajara	'07
3.167,00	TWVL2	Guardia Civile Leon, ESP	0646	MIL.STD 188-141A	clg "TXX2"	'08
3.167,00	TXX1	Guardia Civile Madrid, ESP	0541	MIL.STD 188-141A	clg "TWLC2"	'08
3.167,00	TXX2	Guardia Civile Madrid, ESP	2248	MIL.STD 188-141A	clg "TWVB"	'08
3.167,00	TYMA2	Guardia Civile Avila, ESPC	0357	MIL.STD 188-141A	clg "TXX2"	'08
3.167,00	TYMG2	Guardia Civile Guadalajarav	2309	MIL.STD 188-141A	clg "TXX1"	'08
3.167,00	TYMR2	Guardia Civile Ciudad Real, ESP	2143	MIL.STD 188-141A	clg TXX2 Madrid	'08
3.167,00	TYMR2	Guardia Civile Ciudad Real, ESP	2315	MIL.STD 188-141A	clg "TXX2"	'08
3.167,00	TYMV2	Guardia Civile Cuenca, ESP	0353	MIL.STD 188-141A	clg "TXX2"	'08
3.167,00	TZSG2	Guardia Civile Granada, ESP	2333	MIL.STD 188-141A	clg "TXX1" 0110 clg "TXX1"	'08
3.167,00	WP01	Algerian National Guard, DZA	2150	MIL.STD 188-141A 27	clg "JB01"	'08
3.167,00	ZPB1	Algerian National Guard, DZA	1932	MIL.STD 188-141A 28	clg "VQ01"	'08
3.170,00	---	CIS Military	1821	CIS-75 75/250	tfc in cipher	'08
3.170,24	9MR5	Malaysian Navy Johor Baharu, MLA	1845	RTTY 50/850	RY+QRA //3159 '9MR 5/5/10/13 RMMJ MRB MRB RYRYRYRYRY	'07
3.172,00	---	unid	2130	CW	tfc '441 41 85 85 85,00 RPT AL	'07
3.172,00	MWT	unid prob. Polish Military	1124	MIL.STD 188-141A snd		'08
3.172,00	P20	unid	1845	MIL.STD 188-141A snd		'08
3.172,60	IMB	Rome Meteo, ITA	2318	RTTY 50/850	TAF LIMJ 022300z	'05
3.173,00	---	unid	0550	USB	tfc RUS	'07
3.173,00	---	unid	2302	CW	tfc	'08
3.173,00	B8SJ	Russian Military, RUS	2047	CW	In tfc 2340 503 = 893 = P P P P P ÖIyHE ICWWZ IDAEX	'06
3.175,00	BD20	Algerian National Guard, DZA	2313	MIL.STD 188-141A	clg "BD22"	'08
3.175,00	BD21	Algerian Military, DZA	0552	MIL.STD 188-141A	clg RM20	'07
3.175,00	BD22	Algerian National Guard, DZA	2313	MIL.STD 188-141A	clg "BD20"	'08
3.175,00	BD23	Algerian National Guard, DZA	2334	MIL.STD 188-141A	clg "BD20"	'08
3.175,00	BD25	Algerian National Guard, DZA	2009	MIL.STD 188-141A	clg "RM20"	'08
3.175,00	IGF	Iraqi Forces Camp Victory Baghdad, IRQ	0404	MIL.STD 188-141A	clg "7DV" 0322 clg "2DV" 1812 clg "3DV"	'08
3.175,00	RM20	Algerian National Guard, DZA	2346	MIL.STD 188-110A/USB	SEND MSGS TO "BD23"	'08
3.175,00	VK21	Algerian National Guard, DZA	2334	MIL.STD 188-141A	clg "RM20"	'08
3.175,00	VK23	Algerian National Guard, DZA	1955	MIL.STD 188-141A	clg "VK20"	'07
3.175,00	YG20	Algerian National Guard, DZA	2020	MIL.STD 188-141A	clg "RM20"	'08
3.175,00	ZT20	Algerian National Guard, DZA	2214	MIL.STD 188-141A	clg "YG20"	'07
3.175,00	ZT21	Algerian National Guard, DZA	0607	MIL.STD 188-141A	clg "RM20"	'08
3.175,50	---	unid Argentine Station	0723	RTTY 75/170	ARG Warning to mariners in spanish	'08
3.176,00	---	CIS Military	2100	CW	In 5LG tfc heard but very weak and callsign missed	'05
3.176,50	---	unid German Air Force ? =3F	0753	ARQ-E 85.7/170	betas	'05
3.177,00	23	unid	1759	USB	tfc ARA/FRA/ wkg "28" SIMPLEX	'07
3.177,20	LOR	Argentine Navy Puerto Belgrano, ARG	0104	FEC	Wx forecast	'06
3.178,00	---	unid	1800	USB	tfc ARA ????? SIMPLEX	'07
3.178,00	AAA	Israelian Air Force Tel Aviv, ISR	2345	MIL.STD 188-141A snd		'08
3.178,00	DD2	Israelian Air Force Tel Aviv, ISR	2041	MIL.STD 188-141A	clg "AAA"	'07
3.180,00	---	Juliusruh tentative, DEU	1930	CW	Ionospheric sounder; rapid sweep snaring sound	'05
3.180,00	---	unid	0305	MIL.STD 188-141A	tfc in cipher PROTECTED LINK	'07
3.180,50	---	CIS Military	1749	81-81 81/250	tfc in cipher	'07
3.181,00	RMP	CIS Navy Baltic Fleet HQ Kaliningrad,RUS	1933	CW	RKZ de RMP QTC 583 25 3 2256 538 = FM RJD69 = 22322	'05
3.181,00	X12G	Russian Navy	1901	CW	Bcasts msg to collective AIHK AIHK de X12G QTC 484 34	'05
3.182,50	---	CIS Military	1908	CW	GL Enciphered Morse: JUMPVNWPNQ VJEZ. KIZPFIÜYUyläöZöäX	'05
3.182,50	FAV22 ?	CSTEI Favieres via Vernon, FRA	0400	CW	"NR 61 J 23 05 00 27 1980 BT ..." 5LGs	'08
3.183,10	---	JEAC	2125	ARQ-E 46.2/168	IDLE	'08

3.185,00	---	unid CIS Military ?	2016	81-81 40/600			'07
3.185,00	---	unid	2017	FSK 43/500 18	tfc in cipher		'08
3.186,00	---	unid	0106	USB	tfc, RUS ???		'07
3.187,00	---	unid	2306	CW	372372 372111 64855 64855 37337 111999 12623 BT 45677		'05
3.187,00	KLTM	unid	0325	CW	clg "YPXXxl de KLTMxl K" called several times s/off		'08
3.187,50	WARSZAWA2	MOI Warsaw, POL	1937	MIL.STD 188-141A snd			'06
3.187,50	WARSZAWA3	MOI Warsaw, POL	1936	MIL.STD 188-141A snd			'06
3.189,00	BK23	Algerian Military, DZA	2245	MIL.STD 188-141A	clg ZT20		'08
3.190,00	NUVD	Ukranian Military, UKR	2133	CW	RPT PBL K Z3MP replies Z3MP 772 32 9 2313 772 K NUVD R		'06
3.190,00	OA5N	CIS Military	1840	CW	Comms check with M3QI KOAW and QKS8 all of whom respond		'05
3.192,00	RMP	HQ Baltic Fleet HQ Kaliningrad,RUS	1712	CW	Sends wx fcast to collective REO		'05
3.192,20	---	Military	1802	STANAG-4285/USB	tfc in cipher		'08
3.194,40	JLW1	unid	2203	CW	tx "JLW1JLW1JDW1JLW O OSW?O MJE JLW1 K" LW1EL#JLW1A		'05
3.196,00	ROT	CIS Navy Moskva, RUS	2049	BEE/36-50 100/165	tfc in cipher		'07
3.199,00	---	Russian Air Defence, PVO ?	2018	CW	=992318??0????? = 992319??0????? etc		'06
3.199,00	---	CSTEI Favieres via Vernon, FRA	1836	CW	GRA TIME DATE BT txt		'07
3.200,00	---	unid Military ?	1822	USB	slav? chiffres yl		'07
3.200,00	---	fishermen	0522	USB	esp d/x		'07
3.200,00	XS0	Algerian Military	1915	MIL.STD 188-141A	clg XS3		'07
3.200,40	---	unid	0100	DGPS-MSK			'06
3.202,80	"L"	MX Beacon Tirana, ALB	1827	CW			'05
3.203,50	"L"	SLB Sankt Peterburg, RUS	1944	CW			'05
3.203,80	AS	unid marker Tirana, ALB	1535	CW	sending "AS" instead of "L"		'05
3.203,90	"L"	MX Channel marker	1827	CW			'05
3.204,00	"L"	MX Beacon Tirana, ALB	1615	CW	Instead of 3202.8 --> chirpy 15		'05
3.204,00	033NHQCAP	unid Civil Air Patrol	2349	MIL.STD 188-141A snd	SHARES		'05
3.204,00	JNR	HF-GCS Salinas PR	0003	MIL.STD 188-141A snd	SHARES		'05
3.204,50	---	unid CIS Military	2306	36-50/50/250	tfc in cipher		'08
3.205,00	"L"	MX Beacon Tirana, ALB	0517	CW	Chirpy Instead of 3202.8 21		'05
3.205,00	HA43	Algerian Military, DZA	1855	MIL.STD 188-141A	clg HA40		'06
3.205,00	HA52	Algerian Military, DZA	1851	MIL.STD 188-141A	clg HA48		'06
3.205,00	L6YC	unid	1720	CW	beacon? transmits hourly from 15-25 & 45-55 min		'05
3.205,00	LZ51	Algerian Military, DZA	1918	MIL.STD 188-141A	clg LZ50		'06
3.205,00	YH48	Algerian Military, DZA	2132	MIL.STD 188-141A	clg YH40		'08
3.205,00	YH52	Algerian Military, DZA	2022	MIL.STD 188-141A	clg YH48		'08
3.205,00	YH52	Algerian Military, DZA	2329	MIL.STD 188-141A	clg YH48		'08
3.205,00	YH56	Algerian Military, DZA	2021	MIL.STD 188-141A	clg YH74		'08
3.206,00	---	unid	1957	CW	tfc		'07
3.206,00	---	Mossad Tel Aviv, ISR	2206	USB	YL in 5LG tfc KCMSS JKTLF		'05
3.206,00	---	CIS Military	1804	RUS-75 75/200	tfc in cipher		'07
3.206,00	---	Russian Military	2058	RUS-75 75/170	cipher		'05
3.206,00	CQTC	Ukranian Military, UKR	2247	CW	Bcasts msg to collective BZAW QTC 160 80 12 0100		'07
3.206,00	WSPAN	WSP Amt Nieders.Oldenbourg, DEU	1559	MIL.STD 188-141A snd			'07
3.206,50	L6YC	unid	2320	CW	low signal		'05
3.207,00	---	unid	1722	CW	AAAAA 57354 A 25846 K		'06
3.207,00	---	CSTEI Favieres via Vernon, FRA	1534	CW	NR75 N 27 16:33:44 1989 = PJUUS PQLZZ		'06
3.207,00	---	The xx7 Oddity unid prop logger, RUS/UKR	1827	FSK	burst @100 bps then in 10 s/1 MHz steps up to 9207		'05
3.207,00	---	unid	0015	CHX-200 LSB CF=1600			'05
3.207,00	---	CSTEI Favieres via Vernon, FRA	1534	CW	NR75 N 27 16: 33: 44 1989 =PJUUS PQLZZ		'06
3.207,00	---	unid	1706	Unknown ALE mode			'06
3.207,00	4NZ7	Ukranian Military, UKR	2237	CW	Msg for N4WC 4NZ7 166 36 5 0104 166 =092 = EHIAR MMMMM		'05
3.207,00	5J3T	CIS Military	2224	CW	Ends 19-group msg to unid ääPäO 873 RPT AL K		'07
3.207,00	APDS	Russian Military	2040	CW	Comms check with at least P4OA ZL3M 8Y2M DAX6		'05
3.207,00	BLX3	Russian Military	2102	CW	Comms check with BS6G,DT?? MTFV MZX1 6GZO and KYIS		'07
3.207,00	BVVK	Russian Military	2102	CW	Comms check with 9NTQ 5XYD 6STO and H1IC		'05
3.207,00	I7OR	Russian Military	2021	CW	Ends broadcast msg UyLZH äTPWE 598 K Then asks 7EQ9		'05
3.207,00	IL4U	Russian Military	2024	CW	Comms check with at least AEYN BXDY 2WPS		'06
3.207,00	KTR4	unid	1521	CW	Transmitting from 15-25 and 45-55 min hourly		'05
3.207,00	L6YC	M89	2124	CW	Very weak		'07
3.207,00	OVNC	Russian Military	2014	CW	OVNC QJG QYT6 K		'06
3.207,00	T2GY	Russian Military	2025	CW	TVKH Q___ XZBS JZE3 JAZ1 TVKH de T2GY R 274?		'06

3.207,00	THPU	Ukranian Military	2228	CW	Ends 32-group bcast msg Nr 77 FLQBI PTPWO 544 K	'05
3.207,00	TPBS	Russian Military	2112	CW	Comms check with .. K5G6and O3JB	'06
3.207,00	TSJ5	Russian Military	1738	CW	Comms check with ??? X7FQ NIKP IQLZ JZTZ BHTD KPKN	'07
3.210,00	---	Klaipeda, LTU ?	1632	CW	DE K4ÄVK	'06
3.211,00	---	unid two OM in arabic	1700	USB	"oscar sirio oscar" + some numbers in AA 05	'05
3.211,00	7FN1	UKR Military ?	2153	CW	d5an de 7pnl qsa2 k 2156 rpt# 2157 ds an de avt2 qsa1	'05
3.211,00	AVT2	UKR Military ?	2157	CW	d5an de avt2 qsa1 k 04	'05
3.211,00	K4AP	Ukranian Military, UKR	2103	CW	202D de K4AP OK ZBY ZMB ZZU QYT6 K NCS 202D on 3863 kHz	'05
3.211,00	XF8I	CIS Military	2118	CW	JHL5 de XF8I K JHL5 de P3SO K JHL5 de OK7B K	'06
3.211,00	YZBA	Russian Military	1926	CW	Finishes reading back 59x5FG msg	'05
3.213,00	---	Ukraine Military	1930	USB	ukrain ? yl	'07
3.216,00	---	unid	2046	COQUELT-8 26,6	tfc in cipher	'07
3.216,00	---	unid	2004	CW	tfc	'07
3.216,00	QRM1	CIS Military	2033	CW	QSLs 5LG msg sent by unid QRM1 R 750 K	'07
3.217,00	7O5S	Russian Military	2201	CW	9DVZ QTC ZWZ AR Msg to collective 9DVZ	'05
3.217,00	DHJ83	German Air Force station	1818	USB	wkg DHJ67 5BVE IP51 and 07XW all GAFe units collective	'06
3.217,00	DHM91	German Air Force LTKdo Münster, DEU	0625	USB/RATT	wkg W949 9CG9 0KNJ DHJ83 6LAF and ZUIJ all GAFe stat.	'07
3.217,00	E1B1	Russian Military	1610	CW	Msg for A8OK E1B1 856 26 9 1902 856 = 425 = PPPPP	'07
3.217,00	F2BB	Russian Military	2208	CW	Sends msg to PRO9 F2BB 722 23 5 0104 722 = ZLB 642	'07
3.217,00	GDT4	Russian Military	2217	CW	5LGs ". WIPWP 836 AS break 5HA3 de GDT4 QLS QYT 9 K	'08
3.217,00	L97W	Russian Military	2013	CW	Message for THGS L97W 275 26 9 2243 275 = 605 = PPPPP	'06
3.217,00	QHN3	Russian Military	1813	CW	Msg for IDNQ QHN3 699 13 27 2106 699 = 187 = PPPPP	'06
3.218,00	BOULMER	RAF Boulmer, GBR	2218	USB	sx wkg 8SH with tracking details	'05
3.218,00	CAPUCINE	French Forces ?	2031	USB	"ceci est une emission - p destinée aureglage...	'06
3.218,00	TWCG2	Guardia Civil	0820	MIL.STD 188-141A	snd	'05
3.218,00	TWLC2	Guardia Civil Santader, ESP	2148	MIL.STD 188-141A	clg TXX1 Madrid, ESP	'08
3.218,00	TWLC2	Guardia Civil Cantabria, ESP	2149	MIL.STD 188-141A	clg "TXX1" 2350,0010,0240,0311,0503 clg "TXX1"	'08
3.218,00	TWVPR	Guardia Civil	0830	MIL.STD 188-141A	to TWV	'05
3.218,00	TWVS2	Guardia Civil Salamanca, ESP	2023	MIL.STD 188-141A	clg TXX2 Madrid	'08
3.218,00	TXX2	Guardia Civil Madrid, ESP	1703	MIL.STD 188-141A	clg TWVE2	'06
3.218,00	TYMA2	Guardia Civil Avila, ESP	2258	MIL.STD 188-141A	clg "TXX1"	'08
3.218,00	FYMM2	Guardia Civil Madrid, ESP	2319	MIL.STD 188-141A	clg "TXX1"	'08
3.218,00	TZSJ2	Guardia Civil Jaen, ESP	2022	MIL.STD 188-141A	clg TXX1 Madrid	'08
3.220,00	DWKD	Russian Military	2044	CW	Broadcast msg KNPI de DWKD QTC 171 36 6 0038 171	'07
3.220,00	FCEP	CIS Military	1735	CW	FCEP QSA? QRK? QXS FOR WLMV WLMV K	'06
3.220,00	YUZHNY	Yuzhno-Sakhalinsk Radio	1220	USB	phone patches	'04
3.221,20	---	Military	1804	STANAG-4285/USB	tfc in cipher	'08
3.221,70	---	unid Military	0649	NATO-75/75/850	tfc in cipher	'08
3.222,50	---	unid prob. CIS	2232	CW	chaotic msg lots of "?" same as on 02222,00	'05
3.222,50	M21	Russian Air Defence	2232	CW	chaotic msg lots of "?" same as on 02222,00	'05
3.225,00	BRAVO	unid	0610	USB	wkg ECHO Exercise tfc in German QSY 5225 kHz	'05
3.225,80	---	Veripos Rodvig, DNK	0542	DGPS	no joy	'08
3.226,00	MLK	unid	1828	CW	clg station PBG with no response	'05
3.226,00	XBE	UK-DHFCS	1008	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XFW	UK-DHFCS	0850	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XGJ	UK-DHFCS	0750	MIL.STD 188-141A	clg XSS NCS Forest Moor	'05
3.226,00	XGP	UK-DHFCS	0955	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XGZ	UK-DHFCS	0814	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XHN	UK-DHFCS	2027	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XHZ	UK-DHFCS	0848	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XJF	UK-DHFCS	1047	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XJP	UK-DHFCS	0817	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XKD	UK-DHFCS	0943	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XKW	UK-DHFCS	0910	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
3.226,00	XSS	DHFCS Forest Moor, GBR	2308	MIL.STD 188-141A	snd 0026,0056,0134,0204,0234,0305,0335,0405,0439,0509,2351	'08
3.226,70	MGJ	Royal Navy Faslane, GBR	0214	RTTY 100/850	CARB very low sig	'06
3.227,00	XSS	unid 'XSS' Net Stn	2047	MIL.STD 188-141A	snd	'06
3.227,40	XGV	unid	1002	MIL.STD 188-141A	clg XSS	'07
3.227,40	XJT	unid XSS net	1409	MIL.STD 188-141A	clg XSS	'06
3.227,40	XJV	unid XSS net	1357	MIL.STD 188-141A	clg XSS	'06
3.227,40	XKW	unid	1415	MIL.STD 188-141A	clg XSS	'08

3.227,50	XSS	British MOD Forest Moor, GBR	2222	MIL.STD 188-141A snd			'08
3.228,50	---	Russian Air Defence, PVO ?	1904	CW	Plots = 992304?? 0????? 992306??0?????		'05
3.229,00	---	Russian Military	2139	CW	5FGs-QTC w/PBL "270 25 26 0029 270" end ". 26021 063		'07
3.229,00	IQ7I	Russian Military	1902	CW	Msg for GSNK		'05
3.229,00	672	unid Illicit	2057	CW	Repeating 672 672 58750 58750 Then 0 0 0 and offair		'05
3.229,00	IQ7I	Russian Military	2015	CW	IQ7I XD9N MZPS MKPT NI,30 give receipt for Nr 590		'05
3.229,00	W904	Russian Military	2030	CW	W904 AHQ3 I3MT QSLR 3SKL JW6Q and M7AR receipt		'05
3.229,50	MSDNET1	unid	1757	MIL.STD 188-141A	clg ZGRUPNET1		'06
3.229,50	ZGRUPNET1	unid	1717	MIL.STD 188-141A	clg MSDNET1		'06
3.230,00	---	Mossad Tel Aviv, ISR	2005	USB	Yl voice sending msg		'07
3.230,00	---	unid CIS ATC ?	0615	USB	ukran? short transm		'07
3.230,00	BJ30	Algerian National Guard, DZA	1728	MIL.STD 188-141A	clg "RM30"		'07
3.230,00	JSR	Mossad Tel Aviv, ISR	2130	USB	QRA		'07
3.230,00	KPA2	Mossad Tel Aviv, ISR	1918	H3e	// 5339		'06
3.230,00	RM30	Algerian National Guard, DZA	1729	MIL.STD 188-141A	clg "XA35" 1833 clg "XA35"		'07
3.230,00	WKZ44	Bethel	1530	USB	passing msgs to several bush villages		'06
3.230,00	XA33	Algerian Military, DZA	0007	MIL.STD 188-141A	to RM30		'07
3.230,00	XA35	Algerian Military, DZA	2323	MIL.STD 188-141A	clg RM30		'08
3.230,00	ZETA61	Polish Army, POL ?	2038	MIL.STD 188-141A	to BERKEL57		'07
3.233,00	ALV	Lithuanian Military, LTU ?	1950	MIL.STD 188-141A	clg JPQ		'06
3.235,00	---	fishermen	1849	CRY-2001/USB	Male voices-analogue scrambler		'08
3.235,00	---	CIS Military	1940	MS-5/4800/USB	In tfc		'07
3.235,00	BUZ	Roumanian Police/MOI, ROU	1504	MIL.STD 188-141A	clg BUI also noted on 07485,00		'05
3.235,00	CY40	Algerian Police, DZA	1806	MIL.STD 188-141A	VOCODER tfc		'08
3.235,00	CY43	Algerian Police, DZA	2109	MIL.STD 188-141A	clg "CY40"		'08
3.235,00	CY45	Algerian Police, DZA	2248	MIL.STD 188-141A	clg "CY40 RM50"		'08
3.235,00	CY47	Algerian Police, DZA	1806	MIL.STD 188-141A	VOCODER tfc		'08
3.235,00	CY51	Algerian Military, DZA	2228	MIL.STD 188-141A	clg RM50		'08
3.235,00	CY52	Algerian Police, DZA	1804	MIL.STD 188-141A	VOCODER tfc		'08
3.235,00	RM50	Algerian Military, DZA 2335	1804	MIL.STD 188-141A	clg CY47		'08
3.236,50	XAS	UK-DHFCS	1052	MIL.STD 188-141A	clg XSS NCS Forest Moor		'07
3.236,50	XFW	UK-DHFCS	1024	MIL.STD 188-141A	clg XSS NCS Forest Moor		'07
3.236,50	XGJ	UK-DHFCS	0842	MIL.STD 188-141A	clg XSS NCS Forest Moor		'07
3.236,50	XGP	UK-DHFCS	0940	MIL.STD 188-141A	clg XSS NCS Forest Moor		'07
3.236,50	XGV	UK-DHFCS	1006	MIL.STD 188-141A	clg XSS NCS Forest Moor		'08
3.236,50	XHN	UK-DHFCS	1030	MIL.STD 188-141A	clg XSS NCS Forest Moor		'07
3.236,50	XHZ	UK-DHFCS	0943	MIL.STD 188-141A	clg XSS NCS Forest Moor		'07
3.236,50	XKD	UK-DHFCS	0929	MIL.STD 188-141A	clg XSS NCS Forest Moor		'07
3.236,50	XKK	UK-DHFCS	0849	MIL.STD 188-141A	clg XSS NCS Forest Moor		'08
3.236,50	XKW	UK-DHFCS	1352	MIL.STD 188-141A	clg XSS		'08
3.236,50	XKY	UK-DHFCS	1019	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor		'07
3.236,50	XPK	UK-DHFCS Station	1727	MIL.STD 188-141A	clg XSS UK-DHFCS NCS		'08
3.236,50	XSS	UK DHFCS NCS	1707	MIL.STD 188-141AB snd	on 2705 from St Eval site at 17:37		'08
3.237,50	3ZYZ	CIS Military	2006	CW	SSOO and D1S4 de 3ZYZ ZDK ZPY K IPS7 DE 3ZYZ ZJK ZRM K		'05
3.237,50	K8TZ	CIS Military	2200	CW	Comms check 2VDM TBHH 3HZ9 MTJI TIVC 5FQG and 7TYK		'05
3.239,00	BR4V	unid	1840	FSK CW --/250	Vs de BR4V K repeated FSK Morse		'05
3.239,80	---	prob. Saudi Military/Air Force	1752	ARQ-E 46.2/140	Idling with occasional short unreadable msgs		'07
3.240,00	S4S0000GBMRM1	Lithuanian Air Defence Battalion	2259	MIL.STD 188-141A	clg V1S0000EKCOPER		'07
3.240,00	V1S0000EKCOPER	Albanian Military	1758	MIL.STD 188-141A	answering S4S0000GBMRM1's call		'06
3.241,00	---	unid Military ?	2000	USB	czech ? "kanal..."		'07
3.242,00	HAMRAGPL	AO&G Hamra, ALG	1951	MIL.STD 188-141A snd	2021,2051,2122,2152,2222,2252		'08
3.242,00	MEDER30P	AO&G Medera, ALG	2320	MIL.STD 188-141A snd			'08
3.242,20	---	unid	2106	RTTY 50?/400?	Idling on mark then 5FGs in poor FSK Morse Freq 3242.27		'05
3.243,00	---	prob. Ukranian Military, UKR	2055	RTTY 50/240	Telecipher Enciphered Baudot ZZZZZZZZZZ headers 3243.27		'05
3.243,20	---	unid	1744	RTTY 50/240 7.5-bit	Enciphered Baudot zzzzzzz leadins/leadouts		'05
3.243,30	---	unid	1950	RTTY 50/250	encrypted Baudot Often seen usually QRM by FSK		'05
3.243,50	---	Ukranian Government/Railways/Fisheries	2306	RTTY 50/230	Enciphered with zzzzz leadins Off the air		'05
3.243,60	---	unid	1925	CW	Poor hand morse starts "cq3v"		'06
3.243,60	---	unid	2035	CW	F1A idling on 3243.1 about once per minute "cq3v"		'05
3.243,70	LOL	Argentine Navy Buenos Aires, ARG	2325	RTTY 75/170	5LG		'05
3.245,00	UCE	Arkhangelsk Radio	2107	ARQ	w/Morse ID		'05

3.245,00	V02	Cuba	1048	USB	SS/YL 5f	'06
3.246,50	---	Russian Air Defence PVO Plotting Stn	2011	CW	Strings = 990011??0????? 990012??0?????	'08
3.247,00	---	Military	1824	NATO 100/850	tfc in cipher	'08
3.247,00	---	CIS Military	2020	81-81 81/250 18	tfc in cipher	'08
3.247,00	ZKLF	Wellington, NZL	1545	FAX	Wx charts	'05
3.250,00	---	unid	0610	UNID	carrier	'06
3.250,00	---	fishermen	1717	USB	fr d/x	'07
3.252,00	---	French Forces	2132	CW	GRA TIME DATE BT txt	'07
3.252,10	---	Tashkent Meteo ?	1547	FAX 120/576	noisy chart probably nephanalysis Map	'06
3.252,20	---	unid RUS ?	1601	FAX 120/576	large 2460 lines blurred chart with isolines	'06
3.253,00	FAV22	CSTEI Favieres via Vernon, FRA	2135	CW	GRA 'NR 80 A 18 23 17 1980 BT '	'08
3.253,00	VFF	Iqaluit ?	0546	FAX	poor qualit	'07
3.253,10	---	Tashkent Meteo	1803	FAX 120/576	unid analysis chart in noise Again moved from 4067 kHz	'06
3.254,00	RCC	Russian Navy Petropavlovsk, RUS	1718	CW	net chatter	'05
3.255,30	---	unid	2305	CW	very low signal Unreadable	'05
3.256,30	---	unid Fronet Station	1758	FACTOR-I 100/	clg F11HAA VB Malmöhus	'06
3.258,50	DHJ83	German Air Force	0701	USB	c 6LAF	'07
3.258,50	DHM91	German Air Force	0651	USB	eng c VH6? KKNJ? XUJ LAJI	'07
3.259,00	---	CIS Military	2212	BEE 36-50 50/250	cipher	'08
3.259,00	RDL ?	Russian Military	2040	FSK CW MORSE /180	Ends 103-group routine msg 92414 73544 29103 K Revs	'07
3.259,90	---	unid	2000	FSK	jumps between three levels -200/0/+200 Hz Not F7B	'05
3.260,00	---	CIS	2007	USB	tfc RUS	'07
3.260,00	---	unid	0341	MIL.STD 188-110 SERIAL MODEM/USB	Continuous idle	'05
3.260,00	IGF1	Iraqi Forces Camp Victory Baghdad, IRQ	2300	MIL.STD 188-141A	clg "14V"	'08
3.260,00	S4S000OGBMRM1	unid Lithuanian Air Defence Battalion ?	1728	MIL.STD 188-141A	clg V1S000OEkCOPER	'06
3.260,00	V1S000OEkCOPER	unid Albanian Military ?	1856	MIL.STD 188-141A	clg S4S000OGBMRM1	'05
3.260,00	XSS	NCS UK DHFCS	2023	MIL.STD 188-141A snd	on 3260 and 3236,50,00 kHz	'08
3.260,00	YH40	Algerian National Guard, DZA	2129	MIL.STD 188-141A	clg "YH43"	'08
3.260,00	YH43	Algerian National Guard, DZA	2129	MIL.STD 188-141A	clg "YH43"	'08
3.260,00	YH48	Algerian National Guard, DZA	2128	MIL.STD 188-141A	clg "YH52"	'08
3.260,00	YH50	Algerian National Guard, DZA	2030	MIL.STD 188-141A	clg "YH52"	'08
3.260,00	YH52	Algerian National Guard, DZA	2128	MIL.STD 188-141A	clg "YH48"	'08
3.260,00	YH53	Algerian National Guard, DZA	2142	MIL.STD 188-141A	clg "YH52"	'08
3.260,00	YH55	Algerian National Guard, DZA	2140	MIL.STD 188-141A	clg "YH53"	'08
3.260,00	YH58	Algerian National Guard, DZA	2143	MIL.STD 188-141A	clg "YH40"	'08
3.260,00	ZT40	Algerian National Guard, DZA	2221	MIL.STD 188-141A	clg "YH40"	'08
3.261,00	2HHA	Ukrainian Military	1727	CW	QBE QYT 1 to VFHT via Kristianst. remote rcvr DX-tuners	'05
3.261,00	9F9E	Ukrainian Military, UKR	2004	CW	IEY8 de 9F9E QRJ3 QJG QMO QTY6 Comms good go green	'05
3.261,00	9FCJ	CIS Military	1844	CW	GRA clg /wkg "ZOIC"/GRN	'07
3.261,00	G8BG	Ukrainian Military, UKR	1836	CW	G8BG OK Z?N ZGK QYT1 K	'06
3.261,00	IHDN	Ukrainian Military, UKR	2033	CW	Comms check with at least V2PR SBWO and LBAT B94Z	'07
3.261,00	MMXL	Ukrainian Military, UKR	1937	CW	clg ???? Comms check with VHQH AKMR 5UKO DSIA 5S1H	'05
3.261,00	NWGN	Ukrainian Military	1722	CW	comm check with NNJI HAX1 EY7X YK3N .A9S ..QV NPYW NSX3	'05
3.261,00	QVI7	Ukrainian Military, UKR	2146	CW	Message to unid QVI7 523 54 3 0030 523 - 843 = AAAAA	'06
3.261,00	TUME	Ukrainian Military	1754	CW	Comm ck with EPBJ LN6A YI3L 6JX8 XNBW KE7G WTLQ C35A	'05
3.261,00	V8QJ	CIS Military	2227	CW	V8QJ = 108 64 12 0010 108 = K RPT K = WAWII OPZchd	'07
3.261,00	Z2SA	Ukrainian Military, UKR	2010	CW	Comms check with 7CLL NSTW OAJU FMEJ CD1W and ?NQ7	'07
3.263,00	---	unid	2128	FSK 50/200	tfc in cipher	'08
3.263,00	S7LM	Russian Military	2104	CW	Comms check with WLZE	'05
3.264,00	MDN	Alger Algerian National Guard, DZA	1845	MIL.STD 188-141A	clg "XV10"	'07
3.264,00	RM10	Algerian National Guard, DZA	2014	MIL.STD 188-141A	clg "XL18"	'07
3.264,00	RMP	Navy Kaliningrad, RUS	1754	CW	Russian msgs to REO	'07
3.264,40	SAB	Globe Wireless Göteborg SWE	2255	GLOBEDATA	Idlers	'06
3.265,00	Q7JN	unid	1502	CW	Transmits for two 10 min periods each hour 25-35	'05
3.266,00	TXXX	Guardia Civil Madrid, ESP	2128	MIL.STD 188-141A	clg TZSO/GC Cordoba who responds	'04
3.268,00	FAV22	CSTEI via Favières, FRA	1938	CW	NR 62 M 0821 38 21 1980 = JEZBE PBHNL // 4509,50	'08
3.268,00	VR46	Algerian National Guard, DZA	1917	MIL.STD 188-141A	clg "VR51"	'08
3.268,00	VR51	Algerian National Guard, DZA	1940	MIL.STD 188-141A snd	clg "VR46"	'08
3.268,00	VR52	Algerian National Guard, DZA	1941	MIL.STD 188-141A	clg "VR51"	'08
3.268,00	VR53	Algerian National Guard, DZA	2327	MIL.STD 188-141A 08	clg "RM40"	'08
3.270,00	---	CIS Military	2251	MS-5/4800/USB	Enciphered Vocoder	'06

3.270,00	---	Russian Military	2200	RUS-75 75/190	In tfc	'06
3.270,00	MIW	Mossad Tel Aviv, ISR	1900	USB	w/ spec string "MIW A1930 Z2200 Z99 B1945 Z2215" //5230	'06
3.270,00	MIW2	Mossad Tel Aviv, ISR	1819	H3e	// 5230,00	'06
3.270,00	OP1	Lithuanian Military	1730	MIL.STD 188-141A	answering OPQ's call 26	'06
3.270,00	OPQ	Lithuanian Military	1730	MIL.STD 188-141A	clg OP1 26	'06
3.270,00	ULX	Mossad Tel Aviv, ISR	1825	H3E/USB	QRA	'08
3.270,00	ULX2	Mossad Tel Aviv, ISR	0110	USB	GRA ING	'07
3.272,00	---	CIS Military	2028	81-81 81/250	tfc in cipher	'08
3.273,50	DHJ67	German Air Force station	2035	USB	wkg DHJ83 DHO78 DHO91 DHO98 IP51 07XW and KM7N	'06
3.273,50	DHJ83	German Air Force station	1927	USB	wkg DHJ67 DHO78 DHO91 DHO98 IP51 KM7N and 07XW	'06
3.273,50	IP51	German Air Force station	0646	USB/RATT	wkg DHJ67 DHJ77 DHO78 07XW and TR6A	'07
3.275,00	---	navy ?	1954	USB	rus d/x	'07
3.275,00	3SCM	Russian Military	1949	CW	Sends msg to PNB 3SCM 898 34 8 2344 898	'08
3.275,00	GIL0	unid CIS	0230	CW	wkg sx with msg "3CII RXXX PLASTECHNYJ 76006406 ARAGUARN	'07
3.275,00	HN42	Algerian Military/MOI, DZA	2119	MIL.STD 188-141A	clg YA51 and YA52 who responds then YA50 and YA46	'05
3.275,00	JP40	Algerian Military ?LOC, DZA	0052	MIL.STD 188-141A	clg JP47 0632 responds to JP61 0634 resp. to JP52	'06
3.275,00	JP47	Algerian Military ?LOC, DZA	0052	MIL.STD 188-141A	Responds to JP40 0055 clng JP50	'06
3.275,00	JP50	Algerian Military ?LOC, DZA	0056	MIL.STD 188-141A	clg JP40	'06
3.275,00	JP52	Algerian MOI, DZA	0414	MIL.STD 188-141A	clg JP54	'05
3.275,00	JP52	Algerian Military ?LOC, DZA	0438	MIL.STD 188-141A	clg JP56 Also 0445 0518 0544 clg JP55 + JP40	'06
3.275,00	JP54	Algerian Military ?LOC, DZA	0448	MIL.STD 188-141A	clg JP52	'06
3.275,00	JP56	Algerian Military ?LOC, DZA	0441	MIL.STD 188-141A	clg JP40	'06
3.275,00	JP57	Algerian MOI, DZA	1937	MIL.STD 188-141A	clg HN42 JP61 calls HN42 22	'04
3.275,00	JP57	Algerian Military ?LOC, DZA	0629	MIL.STD 188-141A	clg JP60	'06
3.275,00	JP61	Algerian Military ?LOC, DZA	0632	MIL.STD 188-141A	clg JP40	'07
3.275,00	YA50	Algerian Military ?LOC, DZA	0635	MIL.STD 188-141A	clg YA51	'06
3.275,40	---	unid Danish Air Force ?	0729	UNID 3*192/200	spaced approx 700 Hz Offair 0731	'06
3.277,00	4YM	US Navy ship	0123	USB	wkg U0W (RN ship) Link11 coord circuit	'07
3.277,00	N2L	unid	1906	USB	clg 80P Radio checks	'07
3.280,00	ACA	unid prob. DISA Net	0159	MIL.STD 188-141A snd		'06
3.280,00	ACB	unid	2008	MIL.STD 188-141A snd		'05
3.280,00	OYR	Aasiat, GRL	0517	USB		'07
3.280,00	XSS	unid	2102	MIL.STD 188-141A snd		'05
3.282,00	---	unid	2353	CW	Slow morse Occ op sigs eg " r k"	'06
3.282,00	---	fishermen	0649	USB	germ d/x	'07
3.282,00	---	German Vessels	1818	USB	OM/GG sx informal chats on a freq allocated	'07
3.283,00	---	unid	1756	MIL.STD 188-141A/USB	Undecodeable signal	'06
3.285,00	USAIS1012	Army Intelligence & Security Command, USA	1522	MIL.STD 188-141A/USANG-2409	US Army Nat. Guard HQs Arlington VA // 05066,50 & 06985	'07
3.286,00	SKZ8	Ukranian Military, UKR	1712	CW	Comms check with BG9J XHPJ QD6C HT30 and others	'06
3.286,50	---	unid CIS Military ?	0659	BEE 36-50 37/200 ?		'07
3.286,50	---	CIS Military	2007	BEE 36-50 100/180	Intermittent msgs Idles 100 Baud revs	'05
3.286,50	T12	12th Avi. Batt. MRC Dispatch Center, MRC	0038	MIL.STD 188-141A snd	Davison AAF/Ft Belvoir VA Also noted snd on 06985,00	'07
3.287,00	---	unid	1947	CW	TIRE 20 ? 07	'07
3.287,00	CKN	unid	0309	RTTY 75/850	w/ NAWS tape	'06
3.287,00	RMP	Russian Navy Kaliningrad, RUS	1757	CW	REO de RMP 199 86 31 2027 199 BT PRIP Kaliningrad	'05
3.287,30	---	Military	1808	STANAG-4285/USB	tfc in cipher	'08
3.288,00	---	unid	2006	CW	maybe russian ??	'07
3.290,00	WERA81	Vera81 ? Polish Military, POL	2313	USB	5fg msg,managed to catch last few words+qrt info	'04
3.291,00	"P"/RMP	Channel Marker Kaliningrad, RUS	1742	CW	Also on 3699,50 and 3837 kHz	'07
3.291,00	OWK	Danish Air Force HQ Vedbaek, DNK	2154	MIL.STD 188-141A	wkg OWF/RDAF Skrydstруп with modem activity	'05
3.292,00	---	CIS Military, CIS	2143	81-81 81/250	tfc in cipher	'08
3.292,10	---	CIS Navy	0551	81-81 8		'08
3.292,20	---	unid	0506	NATO-75 ?		'07
3.292,50	---	M21	1657	CW	bt 9919 56 ???8?????	'05
3.292,50	MV3L	CIS Military	1948	CW	MV3L R 312 K	'07
3.294,00	---	M21	1433	CW	BT 9918 33 ???8?????	'05
3.294,00	OSSP	CIS Military	1925	CW	Receipts msg send by unid OSSP R 228 K	'05
3.296,00	---	unid Military	0605	BEE 36-50 50/250 ?		'07
3.296,00	O38M	Russian Military	1646	CW	Message for ANE1 O38M 568 24 18 1930 568 = 068	'06
3.297,00	---	unid	2145	FSK 50/250	tfc in cipher	'08
3.297,00	QN7W	M89 Chinese Military, CHN	1816	CW	GKVZ GKVZ GKVZ de Q7NW Q7NW Q7NW Repeating	'05

3.298,80	---	JEAC	2248	ARQ-E 46.2/168	tfc ARA 2356,0101,0108	tfc ARA 'ZCZC KAA500 TP X8	'08
3.298,80	---	Air Defence Station, SDA	2023	ARQ-E 46,15/170	idles		'07
3.299,00	8HSE	Russian Military	2340	CW	sx wkg 5P8H "QTC 014 43 25 0103 014 = 871 = AAAAA DDDDD		'08
3.299,00	ABOE	unid prob. CIS	2147	CW	wkng LM5 or EM5 low sigs with 5fg letter msg hand CW		'04
3.299,00	V3QG	Russian Military	2047	CW	Message for YKZ8 V3QG 284 48 27 2335 284 = 842 = AAAAA		'06
3.299,00	ZP3C	Russian Military	1546	CW	Msg to unid ZP3C 404 43 18 1827 404 = 749 15551 45416		'06
3.300,00	---	YG43 Algerian National Guard, DZA	2002	MIL.STD 188-141A	to YG46		'07
3.300,00	2222	prob. Moroccan Army	2034	MIL.STD 188-141A snd			'07
3.300,00	BJ30	Algerian National Guard, DZA	2056	MIL.STD 188-141A	clg "RM30"		'08
3.300,00	BJ31	Algerian Military, DZA	1804	MIL.STD 188-141A	clg RM30 Ser.Tone Modem after HS		'07
3.300,00	BJ35	Algerian National Guard, DZA	1801	MIL.STD 188-141A	clg "BJ30"		'08
3.300,00	CM30	Algerian National Guard, DZA	2139	MIL.STD 188-141A	clg "RM30"		'08
3.300,00	HA40	Algerian Military/MOI, DZA	2326	MIL.STD 188-141A	clg VK43		'08
3.300,00	RGI	unid Saudi net ?	1722	MIL.STD 188-141A	clg JDI		'05
3.300,00	RHI	ARS Air Force, ARS ?	1817	MIL.STD 188-141A	clg "AAI"		'08
3.300,00	RHP	ARS Air Defence	1846	MIL.STD 188-141A	clg AAP		'08
3.300,00	RM30	Algerian National Guard, DZA	2129	MIL.STD 188-141A	clg "BJ30"		'08
3.300,00	VK51	unid	2039	MIL.STD 188-141A	clg VK40		'06
3.300,00	VK52	Algerian Military, DZA	1745	MIL.STD 188-141A	to VK53		'07
3.300,00	VK53	Algerian Military/MOI, DZA	2353	MIL.STD 188-141A	clg VK40		'07
3.300,00	XA30	Algerian National Guard, DZA	2100	MIL.STD 188-141A	clg "RM30"		'08
3.300,00	XA31	Algerian Military, DZA	2308	MIL.STD 188-141A	clg RM30		'07
3.300,00	XA33	Algerian National Guard, DZA	2125	MIL.STD 188-141A	clg "RM30"		'08
3.300,00	XA35	Algerian National Guard, DZA	2125	MIL.STD 188-141A	clg "RM30 RM30PY"		'08
3.300,00	YG40	Algerian National Guard, DZA	2015	MIL.STD 188-141A	to YG53		'07
3.300,00	YG43	Algerian Military/MOI, DZA	1843	MIL.STD 188-141A	clg YG40		'06
3.300,00	YG48	Algerian Military/MOI, DZA	2255	MIL.STD 188-141A	clg YG51		'07
3.300,00	YG50	Algerian National Guard, DZA	2009	MIL.STD 188-141A	to YG48		'07
3.300,00	YG51	Algerian Military	1833	MIL.STD 188-141A	to YG48		'07
3.300,00	YG52	Algerian Military/MOI, DZA	1835	MIL.STD 188-141A	clg YG51		'06
3.300,00	YG53	Algerian Military/MOI, DZA	1841	MIL.STD 188-141A	clg YG40		'06
3.300,00	YG53	Algerian National Guard, DZA	2010	MIL.STD 188-141A	to YG56		'07
3.300,00	YG56	Algerian National Guard, DZA	2029	MIL.STD 188-141A	to YG53		'07
3.301,00	---	unid	2130	RUS-75 75/250	tfc in cipher		'08
3.301,00	WPZ1	CIS Military NCS	2014	CW	wkg SFHY for "QSA?" '07; 1604z wkg QNIO etc w/"RK"		'07
3.301,20	---	prob. N.African Air Net	2013	ARQ-E 46/125	As previously reported in WUN Weak Idling Poor synch		'05
3.302,00	---	CIS Military	1826	CW	1809		'07
3.302,00	AE7F	Russian Military	1622	CW	Ends msg Nr 906 XAMDW äRPRR RPT AL QLN K B39G 1GJQ		'07
3.302,00	OTO5	Russian Military	1936	CW	TAIL de OTO5 QTC K QRV K OTO5 = 3290 5062 8902 6757		'06
3.304,70	---	Military	0112	NATO 75/850	tfc in cipher		'07
3.306,20	---	Military	1810	STANAG-4285/USB	tfc in cipher		'08
3.308,10	AFA3VP	dig USAF MARS AFA3VP & AFA3DT	0326	MFSK16	in voice comms and to comms re setting up digital modes		'06
3.310,00	---	Odessa Radio, UKR	2026	USB	Robot-OM EE NAVTEX formatted "Start of the msg DL08		'07
3.310,00	ESA	Tallinn Radio, EST	0235	USB	YL/EE+Estonian Security-clg into nav/warn #2		'08
3.310,00	EST	Tallinn Radio, EST	0705	USB	gale wng in EE At 1834 nav wngs also in Estonian		'06
3.310,00	UTT	Odessa Radio, UKR	0432	USB	OM/Robot voice/EE NAVTEX styled Ukr. Coastal Warnings		'07
3.310,00	UUI	Odessa Radio, UKR	2245	USB	Sea wrns in English		'06
3.311,00	UTT	Odessa Radio, UKR	2245	USB	OM robot with Ukranian MIBs in EE		'05
3.312,00	---	unid	1509	Link-11	psk short bursts on		'06
3.312,00	CD1W	CIS Military NCS	1607	CW	clg PKCO X4LC etc		'07
3.313,00	AC05	Algerian National Guard, DZA	0013	MIL.STD 188-141A	clg "RM01"		'08
3.313,00	CB01	Algerian National Guard, DZA	0711	MIL.STD 188-141A	clg "CB03"		'08
3.313,00	KM01	Algerian National Guard, DZA	0654	MIL.STD 188-141A	clg "KM02"		'08
3.313,00	KM02	Algerian National Guard, DZA	0029	MIL.STD 188-141A	clg "KM01"		'08
3.313,00	RM01	Algerian National Guard, DZA	2317	MIL.STD 188-141A	clg "TD01"		'08
3.313,00	TD01	Algerian National Guard, DZA	2317	MIL.STD 188-141A	clg "RM01"		'08
3.313,00	XT01	Algerian National Guard, DZA	2348	MIL.STD 188-141A	clg "RM01"		'08
3.314,00	---	CIS Air Force/PVO/Russian Air Defence "M21"	2314	CW	tfc '=99T32		'08
3.314,00	RJF94	Russian Navy	2118	CW	RCH84 de RJF94 QTC K RJF94 824 14 28 0035 824 = 911		'06
3.315,00	---	unid	1710	CW	"ZJLV" every 3 seconds		'04
3.315,00	RCV	Russian Navy Sevastopol, UKR	2000	CW	Black Sea Fleet HQ sx wkg RCJG for QSA "QDW 3358 K"		'08

3.315,50	RCV	HQ Black Sea Fleet Sevastopol, UKR	1827	CW	Bcasts msg to RBFZ RBFZ de RCV QTC 674 46 31 2202	'06
3.316,00	---	unid	1937	UNID 50/190 ACF=0	If Bee/36-50 the very long- winded	'07
3.317,00	---	CIS Military	2210	MS-5/4480/USB	cipher	'06
3.319,00	---	unid	1104	LINK 11		'07
3.322,00	---	CIS Air Force	1824	CW	tfc	'08
3.322,00	615	PVO/Russian Air Defence	1612	CW	time-mkr "=99191t??t?????" 2 min too late	'07
3.322,00	ICGZ	CIS Military	2135	CW	After unid ends 5LG msg YGäöH KVKVZ - ICGZ R 228 K	'05
3.322,70	---	CIS PTT	0655	RUS-ARQ 100/990	tfc in cipher	'08
3.323,00	---	CIS Military	2015	CIS-75 75/250	tfc in cipher	'08
3.325,00	---	unid	2003	MIL.STD 188-141A	tfc in cipher PROTECTED LINK SIMPLEX	'07
3.325,10	"P"	Russian Navy Kaliningrad ?, RUS	1929	CW	200 Hz shift channel marker	'08
3.326,00	1002	XSS DHFCS Tascomm net Forest Moor, GBR	0000	MIL.STD 188-141A snd		'07
3.326,50	5HIV	Russian Military	2111	CW	5HIV QLW QSA? QRK? QXS FOR AJYZ AR	'07
3.326,50	NPXS	CIS Military	1800	CW	clg up SKJD LMWM and M5WR for QSAs Simplex net LMWM	'05
3.326,50	Q?NE	CIS Military	1705	CW	YCBY de Q?NE QSA2 ? K	'07
3.326,50	ZLA4	CIS Military	1730	CW	SH3K de ZLA4 QSA IMI K Repeated without response	'06
3.327,00	"P"/RDL	CIS Navy Beacon Kaliningrad, RUS	2026	CW	QRA TWO TONES	'07
3.327,00	RMP	CIS Navy Kaliningrad, RUS	2023	CW	tfc TWO TONES	'07
3.327,00	WOXN	Chinese Military "M89-Stn"	2154	CW	V-mkr "V QPZMx3 DE WOXNx2"	'08
3.328,40	C30	unid "MWT-Net"	2358	MIL.STD 188-141A	to M10 w/LQA	'08
3.328,40	P20	unid	1941	MIL.STD 188-141A snd	2007,2040,2059,2117,2130,2146,2210,2236,2300	'08
3.330,00	CHU	Ottawa Time Station, CAN	2358	USB		'07
3.331,00	HA30	Algerian Military	1731	MIL.STD 188-141A	ND31; at 1733z unid to HA30	'07
3.331,00	RM10	Algerian Military, DZA	1800	MIL.STD 188-141A	clg XL11 Ser.Tone Modem after HS	'07
3.331,00	U.	CIS Military	1955	USB	tfc, RUS	'07
3.332,00	---	unid NATO	2102	NATO-75 75/850	Continuous cipher	'08
3.332,00	---	unid	2131	NATO-100 100/850	tfc in cipher	'08
3.332,20	---	unid	1840	COQUELET-8 26,60	tfc in cipher SIMPLEX	'07
3.333,00	---	unid Russian Military	1729	CW	"XXX Strategic Flash Message": "XXXx3 WEGIx2 07982	'07
3.333,00	---	unid fishermen	2211	CRY-2001	Analogue voice scrambler Male voices	'05
3.333,00	DRAB	FGS Hamburg, DEU	1802	USB	clg DRAS for rc	'06
3.334,00	---	CIS Military	2046	MS-5/4800/USB	Enciphered vocoder	'06
3.334,00	---	French Forces	2222	CW	GRA TIME DATE BT: txt	'07
3.334,00	POCI	unid	1450	CW	Chinese?	'06
3.336,00	HAM	Sonatrach Oil & Gas Hamra, DZA	2315	MIL.STD 188-141A LSB snd		'07
3.336,00	HAMRAGPL	Sonatrach, DZA	0501	MIL.STD 188-141A snd		'06
3.336,00	INAS30P	Sonatrach, DZA	0503	MIL.STD 188-141A snd		'06
3.337,50	FDI8	French Air Force Nice, FRA	2057	CW		'05
3.338,00	---	scottish fishermen near aberdeen	0650	USB		'08
3.340,00	---	CIS Military	1812	81-81 40,5/500	tfc in cipher	'08
3.340,00	---	prob. CIS Military	1757	BEE 36-50 40.5/500	In cipher QSX prob. 4020 kHz	'07
3.340,00	---	fishermen	2243	USB	ita? accent? d/x	'07
3.340,00	---	unid RUS Military	1742	81-81 40,5/500	encrypted acf=0	'06
3.340,00	LAVINIA	ship LAVINIA - I ICG	1619	USB	tfc ITA wkg VARIUS fishermen	'07
3.340,00	OEH2001	AUT Red Cross HQ Gen. secr. Mobil Unit, AUT	1740	x-TOR	bursts with frequent CW-id "OEH2001" on 3341,50 kHz	'05
3.341,00	---	CIS Military	2319	CIS-75 75/250	tfc in cipher	'08
3.341,00	---	unid	2050	CW	tfc	'07
3.341,00	MW5FEM	unid FEMA Region 5 entity	1149	MIL.STD 188-141A snd		'07
3.341,00	WGY9940	possibly Kentucky State EOC Frankfort, USA	1750	MIL.STD 188-141A snd		'08
3.342,00	---	unid pirates ?	0554	USB	fr /other lang/arabic accent ? " le 2 " "à l'ecoute..."	'07
3.345,00	AFA1LZ	unid US MARS Stn	0115	MIL.STD 188-141A	TO AAR20FMARS 01	'05
3.345,00	CGOPS	unid	0129	MIL.STD 188-141A snd		'05
3.345,20	LOR	AN Pto Belgrano, ARG	0110	FEC	WX info in SS South Atlantic // 8319,70	'06
3.347,00	ZIG6	CIS Military	2216	CW	Ends msg to unid 324 RPT AL K Then ZIG6 C K	'05
3.348,00	1PPT	Ukranian Military, UKR	2358	CW	unid NCS calls 4MWM with ZGJ ZUZ ZZX QYT5 K	'05
3.348,00	2NK8	Russian Military	2222	CW	Comms check with QSAs with at least QD8M and E1T1	'05
3.348,00	608R	Russian Military	2123	CW	Comms check with at least 1D.V LKAN and Z50P	'08
3.348,00	8TOK	Ukranian Military, UKR	2143	CW	ZMT ZQI ZBN QYT4 K	'06
3.348,00	B9FD	Ukranian Military, UKR	2250	CW	5Z1A ALIR IXAR 8MWL AWAW HXAD .K1L de B9FD QTC QSV K	'05
3.348,00	FU1	unid	1955	MIL.STD 188-141A	to RCD	'07
3.348,00	GTVS	Russian Military	2208	CW	Msg to unid GTVS 577 23 3 0045 577 = 409 = XIääG	'05

3.348,00	K9N5	Russian Military	1942	CW	K9N5 QRV K unid station on QSX freq 3819 kHz	'06
3.348,00	LVW8	Russian Military	2220	CW	Comms check with J2JC ZI7T and PAOF	'05
3.348,00	LWV8	Russian Military	2212	CW	Bcast msg to collective VCTF QTC 218 3 32 0050 218	'05
3.348,00	PCZC	Ukranian Military, UKR	1940	CW	Comms check with OLV5 BIJJ ATI2 VZSD TNA1 YWJF GR4C	'05
3.348,00	PVDK	Russian Military	1837	CW	Comms check with .QSC KHB8 LPJX NWG1 AU40 1UEQ	'05
3.348,00	RCDJ	unid	1955	MIL.STD 188-141A	to FU	'07
3.348,00	VMH2	Russian Military	2212	CW	Msg to TKTR VMH2 665 33 3 0102 665 = ZAM 409 = SyLää	'05
3.348,60	AAR4OL	US Army MARS	1236	FACTOR		'07
3.349,00	ANCOPS	probably SHARES	2144	MIL.STD 188-141A	probably SHARES Exercise Dark Crystal snd 28	'07
3.350,00	---	NATO Tactical Air Defence Modem	2122	LINK-11/2250/USB TADIL-A		'05
3.350,00	---	CIS Military	1939	MS-5/4480/USB	Encrypted vocoder	'05
3.350,00	OP1	Lithuanian Military	1906	MIL.STD 188-141A	clg OPQ then voice tfc Weak sounded	'06
3.350,00	OPQ	Lithuanian Military	0450	MIL.STD 188-141A	clg OP1 21	'06
3.350,00	OPQMS	unid	0435	MIL.STD 188-141A	clg OP1	'05
3.350,00	RJC60	Russian Military	1344	CW	5FGs 00132 20317 05858 ...01432 08121 = ar rjc60 k	'06
3.350,00	S8DM	Russian Military	2109	CW	Message for unid S8DM 648 33 15 0107 648 = 033	'05
3.351,00	---	NATO Tactical Air Defence Data Modem	1946	LINK-11/2250/USB TADIL		'05
3.352,00	---	CIS Military,	2321	CIS-75 75/250	tfc in cipher	'08
3.352,00	YCIYA	CIS Military Y/C/I/Ya	0442	CW	dx wkg RVUW "QSA NO K" "QSY 42999 QSY 42999 K"	'07
3.353,00	---	CIS Military	2247	MS-5/4800/DPSK/USB	cipher	'05
3.354,00	---	nocall 6-36? unid prob. CIS	2212	CW	5fg msg with cyrillic used,ended with "...TXQFA PYPA	'05
3.354,00	---	unid Russian Military	1720	CW	"XXX Strategic Flash Message" "XXXx3 WEGIx2 07982	'07
3.354,00	3A4A	Russian Military	2208	CW	YXVM de 3A4A QTC K 237 33 9 0102 = ZCE 727 = PPPPP	'05
3.354,00	5YBY	CIS Military	1743	CW	Comms check with 607Y and oneother missed	'07
3.354,00	6JOS	CIS Military	2020	CW	R 298 IMI K	'05
3.354,00	APL8	Russian Military	2143	CW	Comms check with W. IK3Z and AEMP	'05
3.354,00	L9MN	Russian Military	2222	CW	Comms check with at least 3SLO LZ2A and S8AP	'07
3.354,00	ORZI	Russian Military	2257	CW	Comms check with ?3Q9 KSZG SZ4S APDC JYVS ASCK ? wn	'04
3.354,00	VEDR	CIS Military	2032	CW	Comms check with ...L 8C3U NTBBand ZKFW	'06
3.354,00	YFSS	CIS Military	2217	CW	Ends 23 x 5LG msg HFAaL äPPWE 730 K Then YFSS AS K NW	'06
3.355,00	---	unid	2005	USB	Netherlands/Belgian fishermen chat	'05
3.355,00	---	ARG Military Feeder ComBat 602	1854	LSB	TX Local Radio	'05
3.358,00	GUHMARV	unid Air Defence	1121	CW	vvv id id guhmarv guhmarv guhmarv k 3 times	'05
3.358,00	RCV	Russian Navy Sevastopol, UKR	2003	CW	Black Sea Fleet HQ sx wkg RCJG "RCV 76 52 2224 856"	'08
3.360,00	FTJ	Mossad Tel Aviv, ISR	1958	USB	QRA	'08
3.360,00	KPA2	Mossad Tel Aviv, ISR	2130	USB		'05
3.360,00	V02	Cuba	1057	USB	SS/YL 5f briefly on then off back on at 1100	'06
3.360,00	VLB2	Mossad Tel Aviv, ISR	1751	USB		'06
3.360,50	---	unid Russian Air Defense	1224	CW	null reports	'04
3.361,60	---	JEAC VFT	0114	ARQ-E 46,2/170/6CH/USB	IDLE ON BOTH CH	'06
3.364,00	---	unid	1805	FSK-CW	Netcontrol; net chatter with OMRW CJ3Z SJV4 UNGA	'05
3.364,00	BU8F	Russian Military	2102	CW	Sends msg to unid BU8F234 94 22 0001 234 = ZKJ	'06
3.364,00	F4E1	Russian Military	1955	CW	Msg to unid F4E1 933 88 2 2239 933 = 911 = üRüGö DämWS	'05
3.364,00	FKWP	Russian Military	1916	CW	Message to unid FKWP 568 81 22 2202 568 = 410	'05
3.364,00	NA1D	Russian Military	2150	CW	Sends msg to unid 555 72 11 0049 555 = 788 = AMHYy	'05
3.364,00	QHAO	Russian Military	1923	CW	clg WT8J long and loud without result	'05
3.364,00	XLMY	CIS Military	2139	CW	YM7F de XLMY QTC 068 32 11 0129 068 = 164 = AAAAA DDDDD	'07
3.364,90	CL5W	unid	1823	FSK-CW	clg WOMR net chatter 29	'05
3.365,00	---	fishermen?	0722	USB	Hol d/x	'07
3.365,00	PABA	Ukranian Military, UKR	1922	CW	Bcasts msg to collective PABA QTC 125 14 20 2115 125	'05
3.366,00	---	CIS Military	2123	BEE 36-50 50/200 08	IDLE 0400 tfc in cipher	'08
3.366,00	---	unid French Forces ?	1437	USB/STANAG	Fr w 029 u2 r2..	'07
3.368,20	---	NATO Modem	2010	STANAG-4285/600L/USB	Good synch Continuous encrypted data	'05
3.370,00	---	unid	1720	MIL.STD 188-141A	link-prot. // 1724 1730 1747 1752 1757 1802 and 1803	'06
3.372,00	---	CIS Military	0001	CW	5LGs ". WKKWB K" s/off	'07
3.373,00	GJCT	Viking Protector, GBR	2101	USB	Conversation with BUE Iona ZQFV4 established by DSC	'06
3.374,00	---	unid	2151	FSK 50/250	tfc in cipher	'08
3.374,00	---	CIS Military	2335	USB	tfc RUS	'08
3.375,00	8BJ5	CIS Military	1900	CW	Bcasts 8BJ5 8BJ5 8BJ5 ZTV ZTB ZTW QYT1 AR	'06
3.378,70	---	unid RN/NATO	2252	NATO-75 75/850	Short 20-second msgs probably tests in KG-84	'07
3.379,00	3XZZ	unid	2323	CW	clg /wkg "JQYV"	'08

3.379,00	JQY4	unid	2328	CW	wkg "3XZZ"	'08
3.380,00	4XML	M89	1521	CW		'05
3.381,00	---	CIS Military	1940	CW	Enciphered Morse - only letters	'07
3.382,00	---	CIS Military	1955	CW	tfc	'07
3.382,50	FDI22	Narbonne French Air Force, FRA	2030	RTTY 50/85	TEST 'CECI EST UNE EMISSIONE DE CALORIE DESTINEE AU'	'06
3.383,00	---	CIS Military	1949	81-81 81/250	Slow revs and pre-cipher opchat	'06
3.383,00	---	unid spynumber	2030	USB	YL Czech or Slovak 5fg number msg tx ened at 2032	'05
3.384,20	---	Military	1815	STANAG-4285/USB	tfc in cipher	'08
3.388,00	CUSFEM	unid FEMA entity	1205	MIL.STD 188-141A snd		'07
3.389,00	---	QTH?	0500	USB	SS/YL 4f tfc - barely audible	'06
3.389,00	MGJ	Royal Navy Faslane, GBR	2100	RTTY 76/850	Carbs 02A 0412	'05
3.389,50	---	unid	0558	UNID	unid mode, slow, then building chirps on	'06
3.389,70	MGJ	Royal Navy Faslane, GBR	2129	RTTY 75/850	Crypto very short bursts!	'05
3.390,00	---	CIS Military	2120	RUS-75 75/250	tfc in cipher	'08
3.390,00	MGJ	Royal Navy Faslane, GBR	2009	RTTY 75/850	CARB	'06
3.390,00	RM30	Algerian Military, DZA	1817	MIL.STD 188-141A	clg XA31	'08
3.390,00	XA31	Algerian Military, DZA	1751	MIL.STD 188-141A	clg RM30	'07
3.390,00	XA33	Algerian Military, DZA	2325	MIL.STD 188-141A	clg RM30	'08
3.390,00	XS10	Algerian Military, DZA	1953	MIL.STD 188-141A	clg XS13	'08
3.390,00	XSO	unid Algerian DRS Station, DZA	2038	MIL.STD 188-141A	clg XS3	'08
3.391,00	---	CIS Military	1913	81-81 81/220	Pre-cipher opchat then tfc	'06
3.391,00	2DKV	unid CIS Military	2145	CW	tfc to 1YCK "1YCK DE 2DKV QTC K" "2DKV ZVT 62 5 0035	'06
3.392,00	AAC	USAF/DISA Facility prob. Croughton, GBR	1454	MIL.STD 188-141A snd	regularly	'05
3.392,00	C18	German Navy Bremen, DEU ?	0602	USB	eng "radio check" c many c	'08
3.392,50	---	unid net	0510	USB	ee K6YR ?? requesting SITRAK ALLIGATOR ?? then numbers	'05
3.393,00	W7QA	CIS Military	2019	CW	W7QA K T9GO K Nothing further	'05
3.394,00	---	unid Alegerian Military	0619	USB	fr arabic accent - with brief answering	'07
3.396,50	---	unid	1056	SIEMENS CHP-200 MODEM	on ALE procedure	'05
3.396,90	---	CIS Military	2021	MS-5/4800/DPSK/USB	cipher Frequency=3396.94	'05
3.397,00	QF3K	Chinese Military M89, CHN	2136	CW	V T3AP de QF3K	'08
3.399,00	---	CIS Military	2027	MS-5/4480/DPSK/USB	cipher	'05
3.400,00	---	unid fishermen	2014	CRY-2001/USB	Analogue scrambler Male voices	'05
3.407,00	---	Tashkent Volmet, UZB	2350	USB	WX RUS	'08
3.407,00	---	Aktyubinsk Volmet	2339	USB	YL in WX? rep r2/3	'04
3.408,00	---	CIS Military	2305	RUS-75 75/200	Setup opchat then cipher	'06
3.413,00	EIP	Shannon Volmet, IRL	2134	USB	WX	'08
3.415,00	---	numberstation	2250	USB	female voice: "End of Msg End of Tx"	'05
3.415,00	ART	Mossad Tel Aviv, ISR	0014	AM	5fg msg qrt at 0016 poor rx	'04
3.415,00	ART2	Mossad Tel Aviv, ISR	2130	USB	QRA	'08
3.415,00	PCD	Mossad Tel Aviv, ISR	1933	USB	msg grp 9 (TCPPV) //04270,00	'06
3.420,00	---	unid Military ?	0633	USB	rus ? short tran	'08
3.430,00	---	fishermen	2041	CRY-2001	with synch at f+1500 Hz Male voices	'06
3.449,60	BOOO	QTH Colorado	1122	CW	with "BOOO" id just in time for Halloween	'07
3.450,00	---	fishermen	1802	CRY-2001/USB	Many synch bursts due to QRM Male voices	'07
3.450,00	OK	QTH?	1214	CW	unidentified marker in the Amateur band	'07
3.455,00	---	fishermen	1631	USB	2 boats Dutch/Flemish complete with engine-noise	'07
3.455,00	---	New York Riverhead, USA	0709	USB	c DSBM G-VIKS VEX A321	'07
3.456,60	---	fishermen	1854	USB	eng accent? d/x	'07
3.461,00	---	CIS Military	2032	MS-5/4800/USB	In tfc	'07
3.461,00	---	Khabarovsk ACC	0902	USB	net roll call/radio checks w/Ekimchan Vladivostok	'04
3.462,50	---	CIS Military	2250	81-81 81/250	Slow reversals No opchat No cipher	'05
3.467,00	---	unid italian pirate net	1938	LSB	informal chat	'05
3.467,00	---	Mumbai Radio, IND	2256	USB	tfc ING	'07
3.470,00	---	Brisbane Centre, AUS	1732	AM	YL wkg Aussie 350 with selcall check advising 3470	'06
3.470,00	---	unid	2210	USB	tfc RUS	'07
3.476,00	---	Shanwick, IRL	0451	USB	c BQPS ??	'06
3.476,00	---	Gander Radio NF, CAN	0753	USB	wkg "Condor 082" for Selcal check on CMPS	'07
3.480,00	---	unid greek pirate net	1940	LSB	informal chat followed byQSY to 3450 kHz	'05
3.480,00	---	fishermen	2051	USB	fr d/x	'07
3.480,00	---	Italian Pirate	2012	LSB	chatting	'07
3.485,00	---	New York Volmet Riverhead, USA	0547	USB	WX	'07

3.485,00	---	Gander Volmet Gander, CAN Volmet	2350	USB	WX	'08
3.485,00	---	Manila Radio, MLA	1759	USB	Working JAL 710 Asiana 752 29	'05
3.485,90	---	unid CIS Military ?	0709	BEE 36/500		'07
3.486,00	---	fishermen	0648	USB	ee d/x	'05
3.488,00	XBC	unid station	0350	USB	passing WX in SS	'06
3.490,00	---	unid greek pirate net	1944	LSB	informal chat	'05
3.490,00	---	unid fishermen	2236	CRY-2001/USB	Analogue voice scrambler Male voices	'05
3.494,00	---	New York Radio Riverhead, USA	0003	USB	wkg "DELTA 525"	'08
3.494,00	SDJ	Stockholm Radio, SWE	1953	USB	advising aircraft to switch to "radio no 2"	'05
3.495,00	---	fishermen	1845	USB	French	'05
3.497,00	3771	unid	2210	MIL.STD 188-141A snd		'07
3.500,00	1020	unid	0413	MIL.STD 188-141A	clg "2011"	'08
3.500,00	2010	Turk. Red Crescent Emerg. Oper. Net, TUR	2013	MIL.STD 188-141A snd		'08
3.500,00	2011	unid	2300	MIL.STD 188-141A snd		'08
3.500,00	2012	unid	1825	MIL.STD 188-141A	clg "2014" 1929 clg "1020"	'07
3.500,00	2013	unid	2236	MIL.STD 188-141A snd		'08
3.500,00	2015	unid	1804	MIL.STD 188-141A snd		'07
3.500,00	2016	unid	1733	MIL.STD 188-141A snd		'07
3.500,00	2017	unid	0452	MIL.STD 188-141A snd		'08
3.500,00	3012	unid	2328	MIL.STD 188-141A snd		'08
3.500,00	4015	unid	0357	MIL.STD 188-141A snd		'08
3.500,00	4015	unid	1823	MIL.STD 188-141A snd		'07
3.500,00	4016	unid	1725	MIL.STD 188-141A snd		'07
3.500,00	4016	unid	0422	MIL.STD 188-141A snd		'08
3.500,00	4017	unid	0414	MIL.STD 188-141A snd		'08
3.502,00	FAV22	CSTEI Favières Vernon, FRA	0047	CW	NR 65 M 1401 47 08 1980 = UQTMO BDCIO XVOMN	'08
3.503,00	AC21	unid Algerian National Guard, DZA	2116	MIL.STD 188-141A	clg "AC23"	'08
3.503,00	TFP20	Algerian Military, DZA	1902	MIL.STD 188-141A	to BJ20	'08
3.503,50	XGV	UK-DHFCS	0932	MIL.STD 188-141A	clg XSS NCS Forest Moor	'08
3.503,50	XSS	DHFCS Forest Moor, GBR	2112	MIL.STD 188-141A snd		'08
3.504,00	WF3A	unid	1547	CW	beacon? transmits each hour 10-20 & 40-50 min	'05
3.505,00	---	unid	2324	MIL.STD 188-141A	TO 15B complete?	'07
3.505,00	W3FA	unid	1552	CW	Sending encrypted tfc Today's group was'869'	'05
3.506,40	C30	Polish Military	2000	MIL.STD 188-141A	clg M10	'08
3.506,90	---	unid NATO	0608	NATO-75 75/850	Encrypted with breaks	'07
3.507,90	---	unid NATO	0633	NATO-75 75/850	Encrypted with breaks	'07
3.508,50	---	unid	2118	FEC/100B/200	100% synchro on online encrypted "sounds like NAVTEX"	'08
3.510,15	---	CIS Military CIS	2355	81-81 81/500	tfc in cipher	'07
3.520,00	ALENKI	Yekaterinburg Koltsovo Aero, RUS	2335	USB	YL/RR sx wkg many for short radio/checks 2351	'05
3.520,50	1WX	Multinational NATO Exercise Net EUR	1654	USB	OM/EE sx wkg 00E with 2 letter NUKO msgs	'05
3.521,00	IDR	Italian Navy Roma, ITA	2237	USB	sx OM wkg MR IDR IDed as "DR"	'05
3.521,00	MIKE OSCAR	Italian Navy vessel, ITA	2329	USB	OM EE/II wkg DR =IDR IN Rome w/coord fr data	'07
3.521,20	IAIQ	IN a/c carrier C551 "Giuseppe Garibaldi"	2333	USB/STANAG-4285	wkg IDR (ITN Roma) voice coord for data tfc	'07
3.522,50	FORDON93	unid prob. Polish Military ?	0701	MIL.STD 188-141A	clg GRACYNIA95 12	'07
3.523,00	---	unid Illicit	2217	CW	Ends 5FG msg 08893 08893 = = 52 52 27 27 0 0 0	'05
3.523,00	5050	unid	0200	MIL.STD 188-141A snd		'08
3.523,00	5757	unid	0200	MIL.STD 188-141A snd		'08
3.525,00	---	NATO Tactical Air Defence Data System	2029	LINK-11/2250/ISB 2 chans ?/TADIL		'05
3.527,00	---	unid	1812	RTTY 75/850		'05
3.530,00	---	unid	0556	SYSTEME-3000 Thales	Possibly French Military ? or police ?	'07
3.530,95	HAMRA	Sonatrach Hamra, DZA	0541	MIL.STD 188-141A snd		'07
3.531,00	REA4	Russian LRAF HQ Moscow, RUS	2034	CW	Idlling between skeds // 7959 FSK	'05
3.532,00	---	NATO Air Defence Data Modem	2241	LINK-11/2250/ISB	Two data streams not known if they are identical	'05
3.532,00	LY02	unid	2105	MIL.STD 188-141A	clg LY01	'04
3.532,00	TXX2	Guardia Civil Valdemoro, ESP	2000	MIL.STD 188-141A	clg TWBT2/unid At 2022 calls TWVE2/unid	'06
3.533,00	TWLIV	Guardia Civil Vizcoya, ESP	0201	MIL.STD 188-141A	clg TXXX	'04
3.533,00	TXX1	Guardia Civil Madrid, ESP	1653	MIL.STD 188-141A	clg TWLL2 Logrono	'06
3.533,00	TYBB2	Guardia Civil Palma de Mallorca, ESP	2054	MIL.STD 188-141A	clg "TYVM2"	'07
3.533,00	TYMA1	Guardia Civil Avila, ESP	2321	MIL.STD 188-141A	clg TZSA2 Almeria	'05
3.533,00	TYME	Guardia Civil Madrid, ESP	0410	MIL.STD 188-141A		'04
3.533,00	TYMG1	Guardia Civil Guadalajara, ESP	2321	MIL.STD 188-141A	clg TX2	'05

3.533,00	TZSA	Guardia Civil Almeria,ESP	2346	MIL.STD 188-141A	clg TXXX GC HQ Madrid	'04
3.538,00	WM9I	CIS Military	1939	CW	T5NV de WM9I QSA? K QSA3 K R K	'05
3.540,00	ZJL4	unid	1410	CW	// 3540 kHz very weak copy hr in Ak	'05
3.540,90	---	unid	1003	CW	Usual interminable practice session L/F/Punctuation	'07
3.545,00	---	unid	0556	SYSTEME-3000 Thales	Possibly French Military ? or police ?	'07
3.545,00	K6KPH	San Francisco California,USA	0053	CW	"DE" for "Straight Key Night"	'05
3.545,00	QF3	unid listed as Algerian MOI, DZA	2215	MIL.STD 110-141A	clg ?	'06
3.545,00	SZ30	Algerian MOI/Military, DZA	0533	MIL.STD 188-141A	Callinng SZ35	'07
3.545,00	VR50	Algerian Military, DZA	2230	MIL.STD 188-141A	to RM40 w/LQA who replied into short scrambled voice	'07
3.545,00	VR52	Algerian Military, DZA	2228	MIL.STD 188-141A	to RM40 w/LQA who replied into short scrambled voice	'07
3.545,00	VR53	unid	2252	MIL.STD 188-141A	clg VR40	'07
3.547,00	---	CIS Military	2257	MS-5/4800/USB	Pre-traffic tones	'07
3.547,00	RCV	Russian Navy HQ Sevastopol, UKR	1955	CW	sx wkg RCJG "QDW 3315" went to 3315 kHz	'08
3.549,10	L9CC	M89 Chinese Navy, CHN	2230	CW	V CP17 de L9CC repeating	'05
3.549,80	---	unid	1640	CW	Interminable slow Morse: IKK1C MC8HI 5KYKF SZ7ZR 9/SH.O	'07
3.549,90	---	unid	2258	CW	YCZQ9 EESSED .DW1R RJQVR 98U8P	'07
3.551,00	V2W	unid Air defence	1215	CW	vvv v2w R = 3463udua5 id ad33nuaa5 id ad33duaa5	'05
3.552,00	---	Military	1816	STANAG-4285/USB	tfc in cipher	'08
3.555,00	---	fishermen	1000	USB	French fishermen discuss TV	'07
3.557,00	CIO2	Mossad Tel Aviv, ISR	1847	USB	null msg	'07
3.557,00	SYN2	Mossad Tel Aviv, ISR	1850	USB	null msg //4648	'07
3.558,40	L9CC	Enigma M89	2027	CW	V CP17 de L9CC repeating	'05
3.561,00	---	fishermen in channel	0816	USB	fr...FECamp...cherbourg..	'06
3.561,50	---	PVO/Russian Air Defence, RUS	0149	CW	mkr "=99t449??t?????"	'07
3.562,00	RMP	Russian Navy Kaliningrad, RUS	0225	CW	channel-marker "P"	'05
3.562,00	SSC5	Enigma M89 ?	2314	CW	CW V TLU1 de SSC5	'06
3.562,80	SL0FRO	Swedish FRO Test Stn, SWE	2030	CW	strings like 'BäPB PPSS SPBB Bäss SBPä SBSSS BPBBB	'05
3.564,00	---	unid	2020	USB	Enigma S10 YL	'06
3.566,00	---	CIS Military, CIS	2240	81-81 81/250	tfc in cipher	'07
3.572,00	---	unid	2215	QPSK DGPS?		'07
3.574,00	---	unid	1050	CW	txt: xx = 2872x t2xxx 65282 1t25x xxxxx = 2872x t2xxx	'06
3.579,00	DK0WCY	Scheggerott, DEU	1725	CW	Propagation beacon	'08
3.580,00	---	French Air Force, FRA	1654	RTTY 50/85 02	TEST 'CECI EST UNE EMISSION DE CALORIE DESTINE AU	'08
3.580,00	---	British Forces ?	0620	RTTY/75/850 1	RY+KRY 'RYRYRYRYVMOLCNJBHOV'	'07
3.582,00	---	Russian Military, RUS	2050	CW	Ends 4LG msg to unid: 9755 0218 QTC K	'05
3.582,00	GRGR	Russian Military, RUS	2228	CW	Ends 13 x 4FG msg to unknown 401 = 4532 9876 8750 2213	'04
3.583,20	IARG	Italian Navy ship "SAN GIORGIO"	1929	USB/STANAG	clg IDR then tfc	'08
3.583,20	IDR	Italian Navy Roma, ITA	1755	USB/STANAG-4285	wkg IABJ IN sail training ship A5312 "Amerigo Vespucci"	'06
3.584,85	HLL	Seoul/Kimpo Meteo, KOR	1654	FAX 120/576	CDT //9165,0 //7433,5	'08
3.586,00	G4ELM	unid	1941	UNID/BPSK 2	stations in hour-long QSO.Not standard BPSK31	'06
3.587,00	TWLC2	Guardia Civil Santader, ESP	2158	MIL.STD 188-141A	clg TXX1 Madrid, ESP	'08
3.587,00	TWVS2	Guardia Civil Salamanca, ESP	0100	MIL.STD 188-141A	to TWBL2 Lerida; =EHG38 w/LQA	'08
3.587,00	TXX1	Guardia Civil Madrid, ESP	2158	MIL.STD 188-141A	clg TWLC2 Santader, ESP	'08
3.589,00	---	unid Navy ?	1913	81-81 /81		'07
3.590,00	---	unid	2100	CW/FM	347995 FOR 347669 K AR	'06
3.590,00	YJZ6	CIS Military	2049	CW	In 5LG tfc QXöBA VVöHH EITOH ENGyO BIKZW K X32U	'05
3.591,00	DKL	UK Military Dhekelia, CYP	2107	MIL.STD 188-141A snd	extensively	'07
3.591,00	PUR	British Military/Foreign Office	1352	MIL.STD 188-141A snd		'07
3.593,30	DLVC	Zollboot "Rügen", DEU	1358	ARQ	98921 dlvc pos rpt 1600mesz	'07
3.593,30	DLVD	Zollboot "Kalkgrund", DEU	1455	ARQ	Position Rep for DQZ28 Kuewaz Neustadt	'07
3.593,30	DLVI	Zollboot "Priwall", DEU	0916	ARQ	99434 dlvi x pos rpt to kuewa	'08
3.593,30	DLVL	Zollboot "Hohwacht", DEU	1317	ARQ 100/170	wkg unid,changing Phonenumbers	'05
3.593,30	DQZ28	German Coast Guard Neustadt/Holstein, DEU	0300	ARQ	receiving "EEE"-msg from DLVL ZB Hohwacht Mailbox?	'07
3.593,40	---	German Coast Guard Neustadt, DEU	2004	ARQ	tfc	'07
3.593,40	DLVK	Kuewaz Zollboot Hiddensee, DEU	2106	ARQ	Sends pos rpt to DQZ28/Kuewaz Neustadt/Holstein	'06
3.593,40	DQZ28	Kuewaz Nuestadt/Holstein, DEU	2105	ARQ	SELCALs PUTP/ZB Priwall Works DLVK/ZB Hiddensee	'06
3.593,70	"D"	Cluster Beacon Odessa, UKR	0052	CW	With P-Kaliningrad on 3593,80 kHz	'08
3.593,70	"P"	MX Channel Marker Kaliningrad	2059	CW		'07
3.593,90	"S"	Severomorsk Naval, RUS	0500	CW	MX beacon	'08
3.594,00	"C"	Moscow Naval, RUS	0255	CW	MX beacon	'08
3.594,00	4X2	Israelian Navy Hiafa, ISR	1824	CW	Marker "vvv de 4XZ=="	'07

3.594,00	VFEL	CIS Military	0154	CW	clg "VFELx3 QLW QSA? QRK? QXS FOR ECG8 ECG8 K"	'08
3.594,70	"D"	MX Cluster beacon	2249	CW		'06
3.594,80	"P"	MX Cluster Beacon	2037	CW	// 4557,80 & 5153,80	'06
3.595,00	"C"	MX Cluster beacon	2249	CW		'06
3.595,00	---	NATO Air Defence	2132	LINK-11/2250/USB TADIL-A	data system	'06
3.597,00	---	unid	2244	FEC 100/170	tfc	'07
3.598,20	---	Military	2316	STANAG-4285/600L/USB	tfc in cipher	'08
3.598,40	C30	unid "MWT-Net"	2345	MIL.STD 188-141A snd		'08
3.598,40	M10	Polish Military, POL	1459	MIL.STD 188-141A	clg C30	'08
3.600,00	IAQF	Italian Navy vessel	1650	USB	sx wkg unid for coordination for PSK on the same ch.r/c	'04
3.602,00	WARSZAWA1	MOI Warsaw, POL	1854	MIL.STD 188-141A	clg Warszawa4	'07
3.607,50	---	unid	2253	CW	Coded msg 23wpm according to DM780 "	'08
3.608,00	---	RUS Military	2222	BEE 36-50 50/190	tfc in cipher	'08
3.610,00	---	NATO Air Defence Data System	2114	LINK-11/2250/DSB TADIL		'05
3.610,00	XSA2	Nanjing Radio, CHN	1601	CW	Channel marker	'05
3.610,00	XSF2	Lianyungang, CHN	1800	CW	Transmits every two hours for 60 seconds	'05
3.612,00	---	M51 French Forces	2039	CW	GRA TIME DATE BT txt	'07
3.614,00	6FN7	Ukranian Military, UKR	2026	CW	Ends 63-group 5LG msg to unid JHNKY GVCAy AGKEK K	'06
3.616,00	---	M51 French Forces	2001	CW	GRA TIME DATE BT txt	'07
3.621,50	---	CIS Military	2050	MS-5/4800/USB	In tfc	'06
3.622,50	JMH	Tokyo Meteo, JAP	1113	FAX 120	WX Chart	'05
3.626,50	CALORIE	French Military	2141	RTTY 50/850	CECI EST UNE MISSION DE CALORI DESTINE DU REGLAGE	'07
3.626,50	FDG	French Air Force Bordeaux, FRA	2328	RTTY 50/85 15	TEST 'CECI EST UNE EMISSIONE DE CALORIE DESTINEE AU'	'08
3.636,00	---	CIS Military, CIS	2036	81-81 81/250	tfc in cipher	'07
3.638,00	FAV22	CSTEI Favieres Vernon, FRA	2224	CW	GRA //2832,5	'08
3.638,00	FXIX	unid	2009	CW	clg /wkg "JBPN"	'07
3.638,50	WRNS	unid CIS Military	1655	CW	wkg duplex with PMWE XQPX for "rk"-radio/checks	'06
3.640,00	KPA2	Mossad Tel Aviv, ISR	2114	USB	no msg	'05
3.640,00	MIW2	Mossad Tel Aviv, ISR	1920	USB	no msg / 5339,00	'05
3.640,00	SYN2	Mossad Tel Aviv, ISR	1749	USB	// 4648 khz	'06
3.640,00	VLB2	Mossad Tel Aviv, ISR	1851	USB	null msg SYN2 simulcast	'07
3.645,00	---	QTH ?	1327	USB	Japanese (fishing?) tfc	'06
3.645,00	9CNV	M89	1358	CW	2DKI de 9CNV V 14:00 9CNV stopped transmitting	'06
3.645,00	KG3	pos Georgian Military, GEO	2239	MIL.STD 188-141A	clg LF4	'06
3.645,00	UM12	Algerian MOI, ALG	1913	MIL.STD 188-141A	TO JB12 15	'06
3.646,00	T2UA	unid	1805	CW	clg YOZ2 29	'05
3.655,00	---	fishermen	0714	USB	esp??	'07
3.658,00	"V"	Khiva Channel Marker, UZB	2032	CW		'08
3.658,00	---	Military	2110	STANAG-4285/USB	tfc in cipher	'08
3.658,00	6MXF	CIS Military	2033	CW	6SLU de 6MXF ZLS ZZJ ZHV ZGM ZZL ZGF QYT5 K	'06
3.658,00	HNY4	CIS Military	1951	CW	ODDW de HNY4 QSA3 K	'05
3.658,00	MAMN	CIS Military	1917	CW	DNHJ de MAMN QRV K Then MAMN R 834 K	'05
3.658,00	OYG5	CIS Military	1838	CW	Comms checks with at least MELT .BB4 and EPQ1	'08
3.658,00	VWFO	CIS Military	1908	CW	IDDM de VWFO QSA2 QRK2 K	'05
3.659,00	---	unid Military	2358	STANAG-4285/USB	tfc in cipher	'07
3.665,00	---	unid	2334	CW	tfc	'08
3.667,20	---	unid Arabic Stn	1933	ARQ-E 46.1/160 ACF=4	Idling Related to VFT BR6028 stn on 8048.4	'05
3.672,00	1247	unid	1503	MIL.STD 188-141A	To 1240 tis 1247 16	'08
3.673,00	PBC	Dutch CG Ijmuiden, NLD	2217	USB	OM with North Sea wx forecast in Dutch	'06
3.673,00	PBK	Dutch Cg Scheveningen, NLD	0948	USB	North Sea wx by Dutch robot voice //2600	'06
3.675,00	WSW	unid	1528	CW	li7 de de wsw vvv R msg nr o1 ck 873 ck ck 873 al	'05
3.686,10	RBDHCS	Royal Navy Plymouth relay station, GBR	1905	RTTY 75/850	broadcasting channel checks and operational msgs	'07
3.691,00	.ID	unid	1918	MIL.STD 188-141A snd	All FROM IDs garbled Coded?	'06
3.699,50	"P"/RMP	Russian Beacon Kaliningrad, RUS	2102	CW		'06
3.699,80	"P"	MX Beacon Kaliningrad, RUS	2251	CW	// 3837,00	'05
3.700,00	"Yosemite Sam"	unid	0410	DSB	"Varmint I'm gonna blow ya to smithereens"	'05
3.700,00	4XZ	Israelian Navy Haifa, ISR	1637	CW	VVV DE	'07
3.700,00	BX2X	CIS Military	1950	CW	ZYP ZVB ZWJ QSU1 QTY4 ZXX ZXX K OK AS R K	'06
3.702,00	BJ30	Algerian National Guard, DZA	1803	MIL.STD 188-141A	clg "BJ35"	'08
3.702,00	BJ31	Algerian National Guard, DZA	1731	MIL.STD 188-141A	clg "RM30"	'08
3.702,00	BJ33	Algerian National Guard, DZA	0554	MIL.STD 188-141A	clg "BJ30"	'07

3.702,00	BJ34	Algerian National Guard, DZA	1805	MIL.STD 188-141A	clg "RM30"	'08
3.702,00	BJ35	Algerian National Guard, DZA	1817	MIL.STD 188-141A	clg "BJ30"	'08
3.702,00	CM30	Algerian National Guard, DZA	2230	MIL.STD 188-141A	clg "RM30"	'08
3.702,00	RM30	Algerian Military, DZA	2058	MIL.STD 188-141A	to BJ30 BJ35 w/LQA	'08
3.702,00	XA30	Algerian National Guard, DZA	2130	MIL.STD 188-141A	clg "RM30"	'08
3.702,00	XA35	Algerian National Guard, DZA	2316	MIL-STD-188-110/USB	SEND MSGS TO "RM30"	'08
3.705,00	---	unid Time Singal	2236	A3A		'07
3.710,00	ITU	Great Falls Montana, USA	1157	CW	"ITU" (100watts)	'06
3.712,00	ESQ	unid	2100	MIL.STD 188-141A	clg ESF	'05
3.712,00	SXA33	Greece Navy Spata Attikis, GRC	2058	USB	tfc GRE/ clg SHIPS	'07
3.714,00	93	Russian Military	0601	USB	'This is radiostation93 2 times	'06
3.715,00	---	unid	2247	FSK 150/500	tfc in cipher	'07
3.715,90	---	unid	1818	FSK/ 150/500	tfc in cipher	'08
3.733,00	DB2HS	Amateur Radio, DEU	0225	HAMDRM/MODE B/2.3kHz/4QAM/Long/LSB	file transfer "OLD_TUBE_DB2HS.jp2" "DB2HS-73.htm"	'08
3.735,00	---	CIS Military	1637	BEE 36-50 50/500	tfc in cipher	'07
3.735,00	13241	unid	0617	MIL.STD 188-141A snd		'07
3.737,00	---	M21	1120	CW	tracking	'06
3.737,00	UIW2	Kalliningrad Radio, RUS	2048	CW	safety signals	'04
3.737,50	---	M21	1810	CW		'05
3.737,50	---	prob. CIS Military	1920	CW	5fg msg hand tx then random letters mess	'06
3.740,00	---	CIS Military, CIS	2032	81-81 40,5/500	tfc in cipher	'07
3.740,00	BK01	Algerian Military, DZA	1959	MIL.STD 188-141A	clg RM01	'07
3.740,00	JU2	unid	1300	CW	3-4fg kfV kfV kfV de de ju2 ju2 vvv vvv vvv rptd msg	'05
3.740,00	KM01	unid	2326	MIL.STD 188-141A	clg TP01	'07
3.740,00	LZW	Varna Radio, BUL	1913	USB	YL/EE+Bulg nav/warn #28107 etc	'07
3.740,00	RM01	Algerian Military, DZA	1959	MIL.STD 188-141A	clg BK01	'07
3.745,00	---	French Forces	2231	CW	GRA TIME DATE BT txt	'07
3.745,00	1BR	Georgian Forces, GEO	2016	MIL.STD 188-141A	clg "8GS"	'08
3.745,00	2BR	Georgian Forces, GEO	2129	MIL.STD 188-141A	clg "KBT"	'08
3.745,00	8GS	Georgian Forces, GEO	2315	MIL.STD 188-141A snd		'08
3.745,00	BD21	Algerian Military, DZA	0018	MIL.STD 188-141A	clg RM20	'07
3.745,00	BD23	Algerian Military, DZA	2024	MIL.STD 188-141A	clg BD20	'08
3.745,00	BD25	Algerian Military, DZA	2311	MIL.STD 188-141A	clg RM20	'07
3.745,00	BRN	Georgian Forces, GEO	2233	MIL.STD 188-141A	clg "BRN"	'08
3.745,00	KBT	Georgian Forces, GEO	2228	MIL.STD 188-141A	clg "1BR"	'08
3.745,00	KG4	Georgian Forces, GEO	2308	MIL.STD 188-141A	clg "DU4"	'08
3.745,00	MHE	Georgian Forces, GEO	0109	MIL.STD 188-141A	clg "8GS"	'08
3.745,00	QX50	Algerian Military, DZA	2209	MIL.STD 188-141A	clg ZT50	'08
3.745,00	RM20	Angolian National Guard, DZA	2321	MIL.STD 188-141A	clg "BD23"	'08
3.745,00	VK20	Angolian National Guard, DZA	2318	MIL.STD 188-141A	clg "RM20"	'08
3.745,00	ZT20	Angolian National Guard, DZA	2133	MIL.STD 188-141A	clg "RM20"	'08
3.745,00	ZT23	Algerian Military, DZA ?	2019	MIL.STD 188-141A	to ZT22	'08
3.747,00	RAL2	Russian Navy unid Shore Station, RUS	1703	CW	clg RBY46 Maybe Baltic Fleet	'05
3.748,00	---	Russian Military	2030	RUS-75 75/240	cipher	'05
3.754,00	---	"The Pip"	2035	USB		'04
3.754,00	RTS	unid	1827	CW	Maintaining a hourly comm check with UGU6	'05
3.755,00	---	unid	1808	CW	Heavy activity today from 1800 to 1839utc	'05
3.755,00	RTS	Russian Navy Magadan	1402	CW	Msgs for UGU2 01	'08
3.755,80	---	JEAC	2319	BR6028/ARQ-E 46.2/170/USB/7CH	IDLEON BOTH CH #	'08
3.756,00	S30	Russian Military Rostov-Volgograd, RUS	2034	CW	channel marker "the Pip"	'07
3.757,00	S30	Pip	1850	CW		'08
3.759,00	RAS92	unid Russian Net	2100	CW	Sends msg to RIQ88 =5703 2100=1300=4989=2200= 1299	'05
3.759,00	RIQ88	unid Russian Stn	2101	CW	wkg RAI63 RAS92 RAI63 RAI63 passed msg de RAI63	'05
3.763,00	PBB	Dutch Navy Den Helder, NLD	1144	RTTY 75/850	CARB "02A 04C 06B 08Y PBB"	'05
3.764,40	PBB	Dutch Navy Den Helder, NLD	0000	RTTY 75/850	CARBs	'06
3.764,50	PBB	Dutch Navy Den Helder, NLD	0145	RTTY 75/850	CARB"02A 04B 06A 08A 12A 16X PBB"	'06
3.766,00	---	CIS Military	1634	MS-5/4800/USB	In tfc	'07
3.770,00	---	unid	1827	CS-FSK	Broadcast following msg's 1827utc; CQ CQ CQ BT 334 68	'05
3.770,00	CY5	Algerian Military, DZA	2055	MIL.STD 188-141A	to RM50 w/LQA & scrambled voice	'08
3.772,00	"P"	Kalliningrad Naval, RUS	0055	CW	MX chan marker also msg's in F1A FSK morse and F1B	'06
3.774,00	ZJL4	unid	1612	CW	Currently transm. hourly from 05-15 and 35-45 min	'05

3.775,00	ZOMU	Ukrnian Military, UKR	0022	CW	Msg to W94V 133 115 0150 123 = 643 = AAAAA ORTYS PhPCA	'05
3.775,00	6DIW	Ukranian Military, UKR	2151	CW	Comms check with YAWZ CMBY 6MB5 and YZ6M	'05
3.775,00	D81N	Ukranian Military, UKR	1850	CW	Bcasts msg to collective SN2A 886 52 20 2030 886	'05
3.775,00	GNLH	Ukrainian Military, UKR	2324	CW	Comm ck with MH6V 8GT2 H6OW G76L XXN3 KNXX	'05
3.775,00	KWZ1	Ukranian Military, UKR	1926	CW	Ends msg to unid ZUOUZ AAKIK RPT AL QLN AR	'05
3.775,00	MMQO	Ukranian Military, UKR	1934	CW	Msg to unid MMQO 168 72 23 21_0 168 = 555= AAAAA JRHQI	'05
3.775,00	NAQJ	Ukranian Military, UKR	2313	CW	5LG bcast tfc to collective BTMT QTC 725 62 5 0100 725	'05
3.775,00	ZJL4	unid	1305	CW	Transmitting 5-15 & 35-45 Military ? ns 27	'05
3.775,00	ZSQH	Ukranian Military, UKR	2332	CW	clg TOE4 with QTC Lacking apparent response	'05
3.776,30	---	unid	2220	COQUELET-8 26,6	tfc in cipher	'08
3.776,50	---	Russian Military, RUS	1934	81-81 81/220	cipher	'05
3.781,00	CTP	Portuguese Navy Palhais/Oieras, POR	2055	RTTY 75/850	CQs to NAWs	'05
3.781,00	CTP	Portuguese Navy Oeitrass/Palhais, POR	2043	RTTY ITA275/850		'05
3.782,00	CTP	NATO Lisbon, POR	2135	RTTY 75/850	NAWS DE CTP	'06
3.787,50	FDI22	French Air Force Narbonne, FRA	0624	RTTY 50/170	RY+TEST	'07
3.789,00	5DTY	CIS Military	2010	CW	5DTY SGLI W3QO WKED QOB7 X??Gand GYFH QSL Nr 587 NCS	'06
3.790,60	---	Deutscher Wetterdienst, DEU	2205	RTTY 50/450	English language narrative wx broadcasts	'06
3.792,00	RFH61	prob. Russian Navy Warship	2050	CW	Encrypted Morse sked with RMP RMP de RFH61 ZNN R K 04	'07
3.796,50	CALORIE	French Air Force, FRA	0124	USB	"CECI EST UNE EMISSION DE CALORIE DESTINEE AU....."	'08
3.796,50	FD	French Air Force, FRA	0120	USB	TEST 'CECI EST ENE EMISSION DE CALORIE DESTINE'	'07
3.797,00	RCV	Russian Navy Sevastopol, UKR	0317	CW	RR wx QTC to RIC87	'05
3.798,00	VK45	Algerian Military, DZA	2356	MIL.STD 188-141A	to HA40	'07
3.798,50	---	unid	2155	CW	tfc	'07
3.800,00	349604	unid	1737	MIL.STD 188-141A snd		'08
3.800,50	---	CIS Military	1853	81-81 81/250	Slow revs pre-cipher Possibly wkg with 3251 kHz	'06
3.801,00	..DU	M21 Russian Air Defence PVO	2140	CW	Plots 990138??0???? 990142??0???? etc	'05
3.801,00	D6NF	unid	2044	CW	tfc SIMPLEX	'07
3.801,40	---	unid DRK Station	1252	ARQ	clg DEBW: DRK Stuttgart PACTOR-III heard before Sitor	'08
3.801,50	DEKA25	unid	1910	ARQ/USB	DEKA 25 DRK Stuttgart with tfc for DEKA	'05
3.802,50	35 Oscar 3	REMER Red R. de Emergencia Las Palmas, CNR	2300	USB	wkg in large net with 08T8 Barcelona Prov. etc	'05
3.802,50	x-TANGO-xx	REMER Red R. de Emergencia	2120	USB	OM/SS sx many stns informal chats	'07
3.803,00	---	Russian Clock Station	2313	CW	Only 23 seconds fast	'06
3.803,00	---	unid CIS	2347	CW	time marker "0247 0247 ..." for Moscow time zone;	'07
3.803,00	---	Russian Air Force PVO	0331	CW	Moscow time	'05
3.803,00	C10	Estonian Military, EST	2253	MIL.STD 188-141A	clg DT5	'05
3.803,00	DT5	Estonian Military, EST	2253	MIL.STD 188-141A	clg CI0	'05
3.803,00	DV9	Estonian Military, EST	1540	MIL.STD 188-141A	clg VC6	'05
3.803,00	QA4	unid	2228	MIL.STD 188-141A	wkng OT8	'05
3.803,00	VC6	Estonian Military, EST	2030	MIL.STD 188-141A	clg RX1	'05
3.803,00	WD3	Estonian Army, EST	1902	MIL.STD 188-141A	clg EK7	'05
3.803,09	M18	Russian Clock Station	2313	CW	Only 23 seconds fast	'06
3.803,10	0315	Russian Clock	2054	CW	0154 0154 0155 0155 2 seconds slow	'06
3.805,00	1001	Civile Protection Marocaine, MRC	2235	MIL.STD 188-141A	clg 1105	'06
3.805,00	1002	Protection Civile Marocaine, MRC	2228	MIL.STD 188-141A snd		'06
3.805,00	1011	unid	0245	MIL.STD 188-141A	clg 1319 who responds	'05
3.805,00	10111	Moroccan Civil Defence, MRC	1752	MIL.STD 188-141A	clg 1114	'07
3.805,00	1012	Protection Civile Marocaine, MRC	2228	MIL.STD 188-141A	clg 1304	'06
3.805,00	110	unid	2312	MIL.STD 188-141A snd		'05
3.805,00	1102	unid	0421	MIL.STD 188-141A snd		'05
3.805,00	1103	unid	2310	MIL.STD 188-141A snd		'05
3.805,00	11032	Protection Civile Marocaine, MRC	2311	MIL.STD 188-141A snd	100 calls 1302 on 3155 at 1302	'07
3.805,00	11033	prob. Moroccan Civil Defence/MOI, MRC	2240	MIL.STD 188-141A snd		'07
3.805,00	1104	unid	2312	MIL.STD 188-141A snd		'05
3.805,00	11041	Moroccan Civil Protection, MRC	0215	MIL.STD 188-141A snd		'07
3.805,00	11042	Protection Civile Marocaine, MRC	1855	MIL.STD 188-141A snd		'07
3.805,00	1105	Protection Civile Marocaine, MRC	2220	MIL.STD 188-141A	clg 1001	'06
3.805,00	11052	Protection Civile Marocaine, MRC	0052	MIL.STD 188-141A snd		'08
3.805,00	1106	Moroccan Civil Protection, MRC	0300	MIL.STD 188-141A snd		'07
3.805,00	1108	Moroccan Civil Protection, MRC	0145	MIL.STD 188-141A snd		'07
3.805,00	111	unid	2338	MIL.STD 188-141A snd		'05
3.805,00	1112	unid	2324	MIL.STD 188-141A snd		'05

3.805,00	1113	unid	1809	MIL.STD 188-141A	snd		'05
3.805,00	11142	unid	2257	MIL.STD 188-141A	snd		'07
3.805,00	11143	Moroccan Civil Protection, MRC	0155	MIL.STD 188-141A	snd		'07
3.805,00	1116	Mrc Protection Civile Marocaine, MRC	2240	MIL.STD 188-141A	snd		'06
3.805,00	11161	Moi/Direction de la Protection Civile, MRC	1637	MIL.STD 188-141A	snd		'07
3.805,00	1119	unid	2338	MIL.STD 188-141A	snd		'05
3.805,00	11231	Moroccan Dispatch Center, MRC	0455	MIL.STD 188-141A	snd		'08
3.805,00	1301	unid	2304	MIL.STD 188-141A	snd		'05
3.805,00	13011	Moroccan Civil Protection, MRC	0215	MIL.STD 188-141A	snd		'07
3.805,00	130111	Moroccan Civil Protection, MRC	2006	MIL.STD 188-141A	snd		'07
3.805,00	13012	Moroccan Dispatch Center, MRC	0513	MIL.STD 188-141A	snd		'08
3.805,00	1302	unid	0418	MIL.STD 188-141A	snd		'05
3.805,00	13021	Moroccan Civil Protection, MRC	0155	MIL.STD 188-141A	snd		'07
3.805,00	1304	unid	0418	MIL.STD 188-141A	snd		'05
3.805,00	1305	unid	0443	MIL.STD 188-141A	snd		'05
3.805,00	1307	Moroccan Civil Protection, MRC	2046	MIL.STD 188-141A	snd		'07
3.805,00	1308	unid	0407	MIL.STD 188-141A	snd		'05
3.805,00	13081	Moroccan Civil Protection, MRC	1959	MIL.STD 188-141A	snd		'07
3.805,00	13082	Moi/Direction de la Protection Civile, MRC	2309	MIL.STD 188-141A	snd		'07
3.805,00	1309	unid	0224	MIL.STD 188-141A		clg 2001 who responds	'05
3.805,00	131	unid	2318	MIL.STD 188-141A	snd		'05
3.805,00	1311	unid	0400	MIL.STD 188-141A	snd		'05
3.805,00	13111	Moroccan Civil Protection, MRC	0014	MIL.STD 188-141A	snd		'07
3.805,00	1313	Civile Protection Marocaine, MRC	2345	MIL.STD 188-141A	snd		'06
3.805,00	1314	Moroccan Civil Protection, MRC	0145	MIL.STD 188-141A	snd		'07
3.805,00	13141	unid	2115	MIL.STD 188-141A	snd		'07
3.805,00	131411	Moroccan Civil Protection, MRC	0010	MIL.STD 188-141A	snd		'07
3.805,00	1316	Moroccan Dispatch Center, MRC	0000	MIL.STD 188-141A	snd		'07
3.805,00	13161	Moroccan Dispatch Center, MRC	0458	MIL.STD 188-141A	snd		'08
3.805,00	1319	Moroccan Civil Protection, MRC	0215	MIL.STD 188-141A	snd		'07
3.805,00	132	unid	0410	MIL.STD 188-141A	snd		'05
3.805,00	13222	unid	2249	MIL.STD 188-141A	snd		'06
3.805,00	1324	unid	0246	MIL.STD 188-141A		clg 1011 who responds	'05
3.805,00	13241	Moroccan Civil Protection, MRC	2014	MIL.STD 188-141A	snd		'07
3.805,00	1325	unid	0438	MIL.STD 188-141A	snd		'05
3.805,00	13262	Moroccan Civil Protection, MRC	0041	MIL.STD 188-141A	snd		'07
3.805,00	13263	Ministry of Interior, MRC	0603	MIL.STD 188-141A	snd		'08
3.805,00	2001	Moi/Direction de la Protection Civile, MRC	2219	MIL.STD 188-141A		clg 2407	'08
3.805,00	2002	Moroccan Civil Protection, MRC	0300	MIL.STD 188-141A	snd		'07
3.805,00	2011	Civile Protection Marocaine, MRC	2350	MIL.STD 188-141A		clg 2211	'06
3.805,00	220	unid	0031	MIL.STD 188-141A	snd		'05
3.805,00	2201	Protection Civile Marocaine, MRC	2246	MIL.STD 188-141A	snd		'06
3.805,00	2202	unid	0056	MIL.STD 188-141A	snd		'05
3.805,00	2204	Moroccan Civil Protection, MRC	0145	MIL.STD 188-141A	snd		'07
3.805,00	2205	Moi/Direction de la Protection Civile, MRC	2337	MIL.STD 188-141A	snd		'07
3.805,00	2206	unid	0415	MIL.STD 188-141A	snd		'05
3.805,00	2211	Civile Protection Marocaine, MRC	2350	MIL.STD 188-141A		clg 2011	'06
3.805,00	2212	unid	1956	MIL.STD 188-141A	snd		'05
3.805,00	2213	unid	0531	MIL.STD 188-141A	snd		'05
3.805,00	2214	unid	0359	MIL.STD 188-141A	snd		'05
3.805,00	240	unid	2255	MIL.STD 188-141A	snd		'05
3.805,00	2401	unid	0430	MIL.STD 188-141A	snd		'05
3.805,00	2402	Moroccan Civil Protection, MRC	0030	MIL.STD 188-141A	snd		'07
3.805,00	2408	unid	0348	MIL.STD 188-141A	snd		'05
3.805,00	241	unid	2329	MIL.STD 188-141A	snd		'05
3.805,00	2412	unid	0359	MIL.STD 188-141A	snd		'05
3.805,00	2417	Moroccan Civil Protection, MRC	0145	MIL.STD 188-141A	snd		'07
3.805,00	2419	unid	2336	MIL.STD 188-141A	snd		'05
3.805,00	251	unid	2324	MIL.STD 188-141A	snd		'05
3.805,00	2512	unid	2254	MIL.STD 188-141A	snd		'05
3.805,00	2519	unid	2324	MIL.STD 188-141A	snd		'05

3.805,00	2521	Moroccan Civil Defence/MOI, MRC ?	2248	MIL.STD 188-141A snd		'07
3.805,00	3001	Protection Civile Marocaine, MRC	2247	MIL.STD 188-141A	clg 1309	'08
3.805,50	2001	Protection Civile Marocaine, MRC	2238	MIL.STD 188-141A	clg 2512	'06
3.805,50	2513	Protection Civile Marocaine, MRC	2246	MIL.STD 188-141A	clg 2001	'06
3.807,00	---	CIS Military, CIS	2048	81-81 40.5/250 07	tfc in cipher	'07
3.808,00	RGX96	Russian Naval vessel	1803	CW	wkg sx RBE89 for QSA	'05
3.808,50	---	CIS Military	1931	81-81 --/200	Slow differential keyed revs No cipher so speed unkn.	'08
3.808,50	RJD69	Russian Navy Vessel?	1745	CW	RR wx-bull	'05
3.809,37	---	unid	2228	FSK 100/500		'08
3.809,40	---	unid	2310	UNID 150/500	No autocorrelation Enciphered	'07
3.809,50	---	unid	2125	UNID/150/450 ACF=0	Another on 2903.35 kHz QSX to this one ?	'07
3.809,50	---	CIS Military	2045	81-81 81/220	cipher W/W 3892,50 ?	'06
3.809,50	DHJ83	HöhKdoBeh LW GefSt Köln, DEU	1020	USB	wkg DHO91 Drill Msg	'08
3.810,00	---	prob. CIS Military	1935	CW	5fg number msg low sigs "7994T 45462 45462 T64T7 T64T7	'06
3.810,00	HD2IOA	Guayaquil Time Signal, EQA	0735	AM/LSB	time announced in Spanish at end of every minute	'05
3.811,00	00S1	unid German Air Force Unit, DEU	1420	USB	wkg 4NSC	'08
3.811,00	5VYJ	German Air Force, DEU	0507	USB	c 1ZX/message alpha /:- rona	'06
3.811,00	H5HA	CIS Military	2220	CW	FHDK de H5HA QRJ2 ZKK ZSP ZBM QSUI QYT4 K	'06
3.811,00	SKFR	CIS Military	2021	CW	NLGP de SKFR QTC 791 = 5341 7778 70,20 5341 1304 K	'05
3.811,00	TM3M	CIS Military	2054	CW	unid NCS sends long 5FG msg in groups of 50 ending	'07
3.811,00	XH7Z	Russian Military	2133	CW	Message to unid ...0050 856 = FM 365 967 FOR 696 345	'06
3.813,00	---	unid	2320	USB	tfc FRA/ARA SIMPLEX	'08
3.813,00	LDBO	Russian Military	1804	CW	4FGs "...8137 2923 037 = break LDBOX3 QTC 156 26 29	'07
3.813,00	PHB9	Russian Military Bcast	2006	CW	Bcasts msg PHB9 x3 QTC 899 30 25 2300 899 = 020	'06
3.813,00	PMVC	M51?	1716	CW	4fg's ends "sk 23 142 ar" 03	'07
3.813,00	Z1O5	Russian Military	0253	CW	5FGs-QTC "Z1O5 x3 QTC 447 28 27 0550 447 = 155 = 2725	'08
3.814,50	FDI22	French Air Force Narbonne, FRA	1947	RTTY 50/85	RY-mkr "LE BRICK"	'08
3.815,00	---	CIS Military	2143	MS-5/4800/USB	cipher	'05
3.815,00	4XZ	Israelian Navy Haifa, ISR	1903	USB/SERIAL TONE HYBRID MODEM	also on 4241 5512 6618	'07
3.815,00	AGURCHIK	Moskva Sheremetyevo, RUS Air	1830	USB	wkg "SHPORA"	'08
3.815,00	AMBA	Samara Aero, RUS	1950	USB	YL/RR sx ra/checks	'08
3.815,00	CIS	Airport HF Net	1832	USB		'05
3.815,00	OZL	Ammassalik Radio, GRL	2120	USB	relaying KNR Greenland Broadcasting Company Weak	'06
3.815,00	RQC9	Nizhniy Novogorod Air, RUS	2248	USB	clg /wkg "AGURCHIK"	'07
3.815,00	SHPORA	Rostov-na-Donu Air, RUS	1830	USB	clg /wkg "AGURCHIK"	'08
3.818,00	---	French Forces	1825	CW 04	GRA 'BT NR 88 J 04 19:20:36 1985'	'08
3.818,00	---	CIS Military	2053	81-81 81/250	tfc in cipher	'08
3.819,00	1UEQ	Russian Military	1841	CW	Msg for NCS PVKD 386 31 21 2230 386 = 236 = AAAAA NOWV	'05
3.820,00	---	fishermen	2139	USB	ff d/x	'05
3.820,20	DHJ58	GN Glucksburg/Saterland-Ramsloh, DEU	1827	STANAG-4285/USB	tfc in cipher	'08
3.823,00	AA1	Israelian AF 103 Sqn IAF Ben Gurion, ISR	2116	MIL.STD 188-141A snd	on 3823 and 5478 kHz	'05
3.823,00	AA3	Israeli Air Force, ISR	1859	MIL.STD 188-141A snd		'05
3.823,00	AAA	Israelian Air Force Tel Aviv, ISR	2120	MIL.STD 188-141A snd		'07
3.823,00	BB1	Israelian Air Force Palachim, ISR	2059	MIL.STD 188-141A snd		'04
3.823,00	BB1	Israelian Air Force, ISR	2255	MIL.STD 188-141A snd		'04
3.823,00	BB2	Israelian Air Force, ISR	2219	MIL.STD 188-141A snd		'05
3.823,00	BB3	Israelian Air Force 161 Sqdn, ISR	1709	MIL.STD 188-141A snd		'08
3.823,00	BB4	Israelian Air Force, ISR	2330	MIL.STD 188-141A snd		'08
3.823,00	DD1	Israelian Air Force, ISR	1938	MIL.STD 188-141A snd		'08
3.823,00	DD3	Israeli Air Force, ISR	0301	MIL.STD 188-141A snd		'08
3.823,00	DT5	Estonian Army, EST	2048	MIL.STD 188-141A	clg GF7	'05
3.823,00	DV9	Estonian Military, EST	2202	MIL.STD 188-141A	clg VC6	'05
3.823,00	HO5	Estonian Army, EST	2110	MIL.STD 188-141A	clg TE1	'05
3.823,00	IZ4	Estonian Army, EST	2128	MIL.STD 188-141A	clg TE1	'05
3.823,00	LH7	Estonian Army, EST	2133	MIL.STD 188-141A	clg UT3 and EY5	'05
3.823,00	LU9	Estonian Military, EST	2205	MIL.STD 188-141A	clg EK7 clg WD3 on 3803 kHz	'05
3.823,00	MB2	Estonian Army, EST	1712	MIL.STD 188-141A	clng DT5	'05
3.823,00	PARNUYJP	Independent Inf Bn Estonian Army, EST	2010	MIL.STD 188-141A	clg Indep Inf Bn Kuperjanov Also on 4930 kHz	'04
3.823,00	TS1	Israelian Air Force, ISR	1817	MIL.STD 188-141A	clg AAA	'04
3.823,00	TSM	Israelian Air Force, ISR	1715	MIL.STD 188-141A snd		'05
3.823,00	VC6	Estonian Army, EST	1920	MIL.STD 188-141A	clg DV9	'05

3.823,00	WD3	Estonian Military, EST	2123	MIL.STD 188-141A	clg LU9 and EK7 WD3 appears to be NCS 30	'04
3.823,75	---	CIS Military, CIS	1847	81-81 81/250 28	tfc in cipher	'08
3.824,00	---	CIS Military, CIS	2051	CW	Scrambled Morse sked in progress	'05
3.824,00	---	CIS Military, CIS	1755	MS-5/4800/USB	Setup tones In/out of cipher Morse keyed on 3rd tone	'05
3.824,00	---	CIS Military, CIS	2156	81-81 81/250	In tfc	'06
3.824,00	1001	unid	1839	MIL-STD-188-141/2G	Calling unid	'05
3.824,00	110	unid	0052	MIL.STD 188-141A snd		'08
3.824,00	AA3	Israelian Air Force Ben Gurion, ISR	2253	MIL.STD 188-141A snd		'07
3.824,00	AAA	Israelian Air Force Tel Aviv, ISr	2114	MIL.STD 188-141A snd		'08
3.824,00	HFB	Britsih Military, GBR	2158	MIL.STD 188-141A snd		'05
3.824,00	PUR	British Mil/Foreign Office, GBR	1326	MIL.STD 188-141A snd		'07
3.825,30	---	unid	1823	RTTY 50/1000	Lettershifts only Wideshift Another on 3616.75 kHz	'06
3.826,00	---	CIS Military	2233	CW	5LGs ". SLXUH BZKDK K" & s/off; using cut numbers	'07
3.826,00	---	Ukranian Military, UKR	2054	CW	In tfc = 121 = AAAAA MVIKU KGPph ... ADKDA K	'05
3.826,00	1AQY	Ukranian Military, UKR	1936	CW	Bcasts msg to collective WJB1 QTC 195 87 19 2100	'05
3.826,00	3CZC	Ukranian Military, UKR	2050	CW	Bcasts circular to collective ..K8 QTC 387 53 27 2230	'05
3.826,00	5OD1	Ukranian Military, UKR	2112	CW	Bcasts circular to collective 1ZLG QTC 822 71 27 2300	'05
3.826,00	6GDB	Ukranian Military, UKR	1714	CW	Comms checks with at least FSW4 and ALTC	'07
3.826,00	7MVQ	Ukranian Military, UKR	2222	CW	Message to FJOS 7MVQ 324 58 4 0010 324 = 486 = AAAAA	'08
3.826,00	8ODS	Ukranian Military, UKR	0016	CW	Bcasts msg to unid 8ODS QTC 020 54 29 0200 020 = 843	'05
3.826,00	9K8R	Ukranian Military, UKR	2041	CW	Msg to unid B2S7 348 56 20 2200 348 = 603 = 11111	'05
3.826,00	D6Z2	Ukranian Military, UKR	2129	CW	Comm ck with EYIL MHVC BESG OKQB MLXU QCEC FHY6	'05
3.826,00	E2TO	Ukranian Military, UKR	1931	CW	Comms check with 2GJ7 1ELE OPTL SGHP	'05
3.826,00	ESUP	Ukranian Military, UKR	1739	CW	Sends stratcode msg "XXX ESUP 13224 ZIZNANNä 378" twice	'05
3.826,00	ETX1	Ukranian Military, UKR	1910	CW	Cancel NR 287 to 2WQA	'05
3.826,00	HOKQ	Ukranian Military, UKR	2035	CW	clg up TVX7 and NFWF for comms check	'05
3.826,00	I9EY	Ukranian Military, UKR	2011	CW	Bcasts msg to collective MNEJ MNEJ de I9EY	'05
3.826,00	JJNH	Ukranian Military, UKR	2105	CW	Msg for K75N JJNH 234 53 20 2230 234 = 122 = AAAAA	'05
3.826,00	KEKDW	prob. CIS Military, UKR	2234	CW	distorted 5fg msg no cyrillic used	'05
3.826,00	NYHY	Ukranian Military, UKR	1905	CW	Comms check with L6SD SKF1 DFHN 1NH7 J77D LZXX CPHK	'05
3.826,00	OF3R	Ukranian Military, UKR	2218	CW	Msg for IIZ3 OF3R/Followed by Nr 956 to 4MH5	'05
3.826,00	RCV	Russian Navy Sevastopol, UKR	1940	CW	5FGs into sx OP-chat wkg RCJG went to 3547 kHz	'08
3.826,00	VVXE	Ukranian Military, UKR	2214	CW	four R Ks so all must have responded Raspy note	'05
3.826,00	WBNG	Ukranian Military, UKR	2030	CW	In tfc WAJBL AYBFK TEäER KZKIK K	'05
3.827,00	3BN	NATO Multinational Net	0018	USB	OM EE US-accented sx wkg R6N italian/spanish accent	'05
3.828,00	---	S32 "The Squeaky Wheel"	1825	USB		'05
3.828,90	---	S32 "The Squeaky Wheel"	2106	UNID ?		'06
3.829,00	---	German CG Cuxhaven, DEU	0640	ARQ	All	'07
3.829,00	---	CIS Military ?	1919	CW	hand CW 5fg msg	'05
3.829,00	K4ZY	Ukranian Military, UKR	2044	CW	Message to ZBLV K4ZY asks for repeat of grs 77 & 78	'05
3.829,00	LZHZ	Ukranian Military, UKR	2207	CW	Bcasts 82-group msg to collective A4HS - de LZHZ	'05
3.829,00	MHI5	Ukraine Military, UKR	2233	CW	5FG to collective 6J6D Noted by MSM 15	'05
3.829,00	VMPF	Ukraine Military, UKR	2356	CW	5LG to collective CZTY via Hungary DX-Tuner JC5	'05
3.829,30	---	German CG Cuxhaven, DEU	0705	ARQ	naws : refrigerator going adrift...pos	'06
3.829,30	DLVF	Glückstadt, DEU	0738	ARQ	qso with 65509 kuewaz cux +? Wx from kuewaz	'07
3.829,30	DLVH	Zollboot Emden, DEU	0655	ARQ	Lagemeldung" and wx from Kuewaz 65509 zoll	'07
3.829,30	DLVY	Zollboot Hamburg, DEU	0650	ARQ	Lagemeldung" and wx from Kuewaz 38461 zoll	'07
3.829,40	---	unid German Coastguard, DEU	2046	ARQ	wx fcast until Friday midnight	'06
3.829,50	---	German GC Cuxhaven, DEU	0640	ARQ	all	'07
3.830,00	1001	unid	2102	MIL.STD 188-141A	clg "1308"/"1109"/"2405"	'07
3.830,00	1002	unid	0235	MIL.STD 188-141A snd		'06
3.830,00	2401	unid	2316	MIL.STD 188-141A snd		'06
3.830,00	24111	unid	0415	MIL.STD 188-141A snd		'06
3.830,00	7TKW	Russian Military	2050	CW	sx A:"7TKW ER QTC 1 K"/B: into cfm-tfc s/off	'07
3.830,00	LT1D	Russian Military	1530	CW	sx wkg LHMW NXFG fr QSA & 5LGs QTC "LT1D 1054 100 19	'08
3.831,00	FD_	French Air Force, FRA	0315	USB	OM/FF voice Military ? rrow	'05
3.831,50	MOUSTIQUE 242	French Air Force, FRA	2250	USB	wkg Mala (COFAS Taverny)	'06
3.831,50	MUSHROOM	French Air Force, FRA	2205	USB/RATT	wkg Hélène (CCOA Taverny) TACON circuit Link11 data	'06
3.831,50	ZERO	unid tent NATO Military	0426	USB	sx OMs/accented EE no british or US english wkg X_B	'05
3.832,00	4CLA	Ukranian Military, UKR	1920	CW	Bcasts msg to collective 1QI9 QTC 017 87 17 2200 017	'05
3.832,00	5BCO	Ukranian Military, UKR	1930	CW	Repeats msg bcst to collective WWDN QTC 377 62 7 2200	'05

3.832,00	8DMZ	Ukranian Military, UKR	1720	CW	Comm ck with and at least one other via Kristianstad	'05
3.832,00	A9CL	Ukranian Military, UKR	2008	CW	Comms check 6XP4 NYN6 1DB9 FHQC I8IH FIG9 DSGC 8BPG	'06
3.832,00	BS3E	Ukranian Military, UKR	2220	CW	In tfc to unid HÖKIÜ RONÖW IYXBL ADKDE K	'05
3.832,00	DK6L	Ukranian Military, UKR	2001	CW	Set up parallel link using QYT5 unknown mode encrypted	'05
3.832,00	DZTF	Ukranian Military, UKR	2240	CW	QTC K repeating Not as previously wkg with 4051	'05
3.832,00	EDSP	Ukranian Military, UKR	1928	CW	EDSP ZMU ZWI QYT1 K.QRJ? QYT1 K QRJ3 QJG QMO QYT1 K	'06
3.832,00	ETEV	Ukranian Military, UKR	2003	CW	RPT AA 91 K ETEV C K	'05
3.832,00	FSJK	Ukranian Military, UKR	2019	CW	Msg for KEI5 FSJK 333 97 6 2300 333 = 375 = AAAAA	'05
3.832,00	I IOS	Ukranian Military, UKR	2252	CW	5FG msg for 5NIV via Rommele, SWE DX-Tuner remote rcvrr	'06
3.832,00	IVLV	Ukranian Military, UKR	1943	CW	Bcasts 5FG msg to collective F9FF	'05
3.832,00	K4OY	Ukranian Military, UKR	1958	CW	Activates secondary Morse circuit G5WF de K4OY ZET ZXX	'06
3.832,00	RCV	Russian HQ Sebastopol, UKR	2005	CW	RJT22 warship de RCV QYT9 unknown mode	'05
3.832,00	TSMW	Ukranian Military, UKR	2224	CW	Gives R 254 K at end of NCS' msg on 4051 kHz	'05
3.832,00	XM1L	Ukranian Military, UKR	2337	CW	5LG to unknown station via Kristianstad remote receiver	'05
3.833,00	---	unid	1914	FSK/100/500	tfc in cipher	'08
3.835,00	---	unid Military ?	0602	USB	slavonic om numbers	'07
3.835,00	CALORIE	French Air Force, FRA	2335	USB	OM/FF voice-mirror w/weekday names numbers	'07
3.835,00	EIMZ	Russian Military Bcast	2033	CW	Repeats ending AR LDBO alternative	'05
3.835,00	LBDO	CIS Military	2341	CW	5LG BCST msg via Kristianstad remote receiver	'05
3.837,00	"P"/RDL/RMP	MX Navy Beacon Kaliningrad, RUS	2323	CW	QRA	'08
3.838,00	---	fishermen	0645	USB	Hol d/x	'07
3.838,00	FAV22	Favieres Vernon, FRA	2148	CW	"NR nn F 06 22 mm ss 1980 BT..." 5LGs	'08
3.840,00	---	fishermen	1447	USB	With background engine noise	'07
3.840,00	---	E10 Clandestine	1902	USB	USB 5L tfc tfc u/r due to QRM EB	'05
3.840,00	O01	Maroccan Military, MRC	2020	MIL.STD 188-141A	clg O08	'06
3.840,00	O05	Maroccan Military, MRC	2011	MIL.STD 188-141A	clg O09	'06
3.840,00	O08	Maroccan Military, MRC	2020	MIL.STD 188-141A	clg O01	'06
3.840,00	O09	Maroccan Military, MRC	2021	MIL.STD 188-141A	clg O01	'06
3.840,00	YHF	Mossad Tel Aviv, ISR	1804	USB	msg grp 11	'06
3.840,00	YHF2	Mossad Tel Aviv, ISR	1900	USB		'06
3.841,50	---	Military	1950	CW	5fg msg hand tx	'06
3.843,00	XXWP	Russian Military	2010	CW	Broadcasts msg	'06
3.843,80	---	JEAC	0100	ARQ-E 46.2/170	tfc ARA 'ZCZC AKA800 88 46099 18094KARMF GCY	'08
3.844,00	407H	CIS Military	2050	CW	Comms check with LO3G and T8AX	'05
3.844,00	A3IW	CIS Military	2026	CW	Comms check with ???? 9ID6and C6LM	'06
3.845,00	9A0T	Italian Army, ITA	1857	USB	OM/II sx wkg LF9 ? short Radio check	'05
3.845,00	WSPAN	WSP Amt Nieders. Oldenburg	1559	MIL.STD 188-141A snd		'07
3.845,50	NASA	CIS Military	1655	CW	NASA and many others duplex wkg ZODK	'05
3.846,00	---	French Forces, FRA	1828	CW	GRA 'BT NR 44 J 02 19:47:31 1985'	'08
3.846,00	8PNX	unid, CHN	1229	CW	speed would increase at times heavy QRM from ARO st	'06
3.846,00	AZ0A	Italian Army, ITA	1900	USB	wkg "JY01"	'08
3.846,00	CZ0A	Italian Army, ITA	1751	USB	wkg "JY01"	'08
3.846,00	FAV22 ?	French Military, FRA	2124	CW	Training M51" w/5LGs "BT NR 34 N 2 22 24 18 1984 BT"	'07
3.846,00	HZ0A	Italian Army, ITA	1752	USB	wkg "JY01"	'08
3.846,00	IA0A	Italian Army, ITA	1844	USB	wkg "OQ01"	'07
3.846,00	JY01	Italian Army, ITA	1900	USB	clg /wkg 'PROVE DI COLLEGAMENTO'	'08
3.846,00	OD0A	Italian Army, ITA	1848	USB	wkg "OQ01"	'07
3.846,00	OQ01	Italian Army, ITA	1844	USB	clg /wkg	'07
3.846,00	TA0A	Italian Army, ITA	1846	USB	wkg "OQ01"	'07
3.846,00	WZ0A	Italian Army, ITA	1753	USB	wkg "JY01"	'08
3.846,00	YJ0A	Italian Army, ITA	1904	USB	wkg "JY01"	'08
3.846,00	YZ0A	Italian Army, ITA	1753	USB	wkg "JY01"	'08
3.848,00	1303	Moi/Direction de la Protection Civile, MRC	1846	MIL.STD 188-141A snd		'07
3.848,00	13082	Moi/Direction de la Protection Civile, MRC	2315	MIL.STD 188-141A snd		'07
3.848,00	13161	Protection civile Marocaine, MRC	1710	MIL.STD 188-141A snd		'07
3.849,00	---	CIS Military	2208	RUS-75/75/250	tfc in cipher	'08
3.850,00	---	fishermen	1213	USB	OM Dutch/Flemish Simplex	'07
3.850,00	---	CIS Military	1834	CIS-75/75/250	tfc in cipher	'08
3.850,00	BP21	Bundespolizeiboot "Bredstedt", DEU	1053	MIL.STD 188-141A snd		'08
3.850,00	BP24	Bundespolizeiboot, DEU	2024	MIL.STD 188-141AB	clg "LEZSEE"	'08
3.850,00	BP26	BP26 "ESCHWEGE", DEU	2223	MIL.STD 188-141A snd		'08

3.850,00	FFNA58	unid	2208	MIL.STD 188-141AB	ACQ snd	'08
3.850,00	LEZSEE	BP-LEZ See Lübeck, DEU	1433	MIL.STD 188-141A snd		'08
3.850,00	LEZSEE	BP-LEZ See Cuxhaven, DEU	1834	MIL.STD 188-141A snd		'08
3.850,50	RCB	Russian Navy, RUS	1655	CW	"RMU51 de RCB qly 2 qsx 1949 qwh 2530aa5 ar"	'05
3.850,50	RGN90	Russian Navy vessel	2000	CW	sx wkg RMP	'07
3.850,50	RMP	Russian Navy Baltic Fleet Kaliningrad, RUS	2000	CW	sx wkg RGN90 "RGN90 de RMP ZZD 3 k"	'07
3.852,00	ZXQJ	CIS Military	2219	CW	YMKO de ZXQJ QSA1 K QSA NO RPT AA QQTNO K	'07
3.853,00	---	Hamburg Meteo, DEU	2021	FAX 120/576	Hamburg meteo	'07
3.855,00	1BR	Georgian Forces, GEO	2058	MIL.STD 188-141A	clg "KG4"	'08
3.855,00	8GS	Georgian Military, GEO ?	0320	MIL.STD 188-141A	TO ZEN THIS IS 8GS	'07
3.855,00	BRN	Georgian Military, GEO ?	0302	MIL.STD 188-141A	TO 8GS THIS IS BRN	'07
3.855,00	DDH3	DWD Hamburg Pinneberg, DEU	2130	FAX 120/576	Map of Baltic very 'over-exposed'	'05
3.855,00	KBT	Georgian Military, GEO ?	2326	MIL.STD 188-141A	TO 1BR THIS IS KBT	'07
3.855,00	XXNG	CIS Military	2026	CW	Ends 86-group msg to unid/Then rcv Nr 057 from unid	'07
3.855,20	---	Military	2100	STANAG-4285/USB	tfc in cipher	'08
3.858,00	---	unid	1710	Stanag-4285	sig here	'06
3.858,00	---	unid	2009	USB	tfc RUS	'08
3.862,20	---	Military	1832	STANAG-4285/USB	tfc in cipher	'08
3.863,00	---	Ukranian Military, UKR	2224	CW Ends	54-group msg to unid: Dual frequency 3348 kHz active	'05
3.863,00	4NX6	CIS Military	1820	CW	5FGs "85063 29083 = break 2ZBSx3 de 4NX6x2 QTC 376 85	'07
3.863,00	8AYI	Ukrainian Military, UKR	1706	CW	strategic flash msg via Kristianstad DX-Tuner	'05
3.863,00	DXWQ	Ukranian Military,UKR	2124	CW	Comms check various all respond on 3211 kHz	'05
3.863,00	E7BD	Ukrainian Military, UKR	1711	CW	Interrupted twice to send strategic flash	'05
3.863,00	G43A	Ukranian Military, UKR	2049	CW	CGCU de G43A QSA? K R K	'05
3.863,00	MWQ3	Ukranian Military, UKR	2038	CW	Comms check Runs a dual frequency 3348 kHz	'05
3.863,00	VLDK	unid CIS Military	2305	CW	dx wkg A4CU etc for "rk" ra/chks	'07
3.865,00	---	unid	2036	MIL.STD 188-141A	to "[TO) 6LK" & "[DATA) v"	'08
3.865,00	AA5	unid	2329	MIL.STD 188-141A snd		'08
3.865,00	AAA	Israelian Air Force NCS, ISR	1743	MIL.STD 188-141A snd		'07
3.865,00	BB1	Israelian Air Force, ISR	1921	ALE USB to AAA		'08
3.865,00	BB2	Israelian Air Force, ISR	2013	MIL.STD 188-141A snd		'07
3.865,00	BD01	Algerian Military, DZA	2209	MIL.STD 188-141A	clg BJ01	'06
3.865,00	CB01	Algerian Military, DZA	2154	MIL.STD 188-141A	clg BJ01	'06
3.865,00	ZM6	Israelian Air Force, ISR	2015	MIL.STD 188-141A snd	(TWS)	'07
3.865,50	---	CIS Military	1851	MS-5/4800/DPSK/USB	cipher	'05
3.866,00	---	unid "official" Northern African Net	2000	USB	OMs simplex FF "official" msgs using NATO-spelling	'05
3.866,00	---	CIS Military	2215	CW	5LGs QTC to unid s/off; using cut numbers "set#2"	'07
3.868,00	BD25	Algerian Military, DZA	2329	MIL.STD 188-141A	clg RM20	'08
3.868,00	BD25	Algerian Military, DZA	2333	MIL.STD 188-141A	clg RM20	'07
3.870,00	AAA	Israelian Air Force Lod AFB Tel Aviv,ISR	2041	MIL.STD 188-141A snd	on 3870 and 3865 kHz	'08
3.870,00	TSR	Israelian Air Force,ISR	2243	MIL.STD 188-141A snd		'05
3.871,00	---	fishermen	0630	USB	fra d	'07
3.873,00	---	unid Israelian Navy, ISR ?	1820	unid	VFT FSK 2*75/50 spaced 300 Hz	'06
3.873,30	---	Possibly Israelian Intelligence, ISR	1712	UNID 75/50	carrier on 3873,00 as usual Both off 1715	'06
3.875,50	RJD56	Russian Navy, RUS	2010	CW	to RCP unid "RCPx3 de RJD56x2	'08
3.876,00	SNOOPER 1	French Navy Br.1150	1109	USB/RATT	wkg FWV (FN Nimes) voice coord for data tfc	'06
3.876,50	AEM1	Mars net	0635	FACTOR 200/200	tfc	'07
3.878,00	---	HWK	2305	MIL-STD 188-110A/USB	tfc in cipher 'KKCKKCAKAH\ \ ...KRY.. NNNN'	'08
3.878,00	---	Military	2202	MS-5/4800/DPSK/USB	In tfc	'06
3.879,00	---	CIS Military	2202	MS-5/4800/DPSK/USB	In tfc	'06
3.879,00	ESF	unid	1941	MIL.STD 188-141A	clg ESQ	'06
3.879,00	ESQ	unid	1941	MIL.STD 188-141A	responding to ESF	'06
3.880,00	2BT	Georgian Forces, GEO	2004	MIL.STD 188-141A	clg "4BR"	'08
3.880,00	4BR	Georgian Forces, GEO	2010	MIL.STD 188-141A	clg "2BT"	'08
3.880,00	ILU022	Polish Military, POL	1906	MIL.STD 188-141A	clg MAG21	'07
3.880,00	XSS	DHFCS Forest Moor, GBR	1943	MIL.STD 188-141A snd		'08
3.881,00	---	Broadcast Jammer	1913	AM		'07
3.881,00	FAV22	CSTEI Favieres Vernon, FRA	0800	CW	Start of CW excercise with VVV DE FAV22 QLH 3881/6825	'08
3.882,00	---	unid French Forces, FRA	1237	ARQ-E 184.6/350	Betas only	'07
3.882,00	BX4Q	unid CIS	1855	CW	Bcast of unusually longstring of Z-sigs	'06
3.882,00	FAV22	CSTEI Favieres Vernon, FRA	2053	CW	"NR 05 F 11 21 53 48 1980 BT" 5LGs	'08

3.882,00	FK9E	Ukranian Military, UKR	1849	CW	Bcasts msg to collective FK9E FK9E QTC AR FK9E QTC	'05
3.882,00	IBWY	Ukranian Military, UKR	1854	CW	unid ends 5FG msg IBWY and two unreadables give R 050	'05
3.882,00	IK6D	Ukranian Military, UKR	1927	CW	Bcasts msg to collective Y6M1	'05
3.882,00	NBHK	Ukranian Military, UKR	1951	CW	Bcasts msg to collective EA8M EA8M de NBHK	'06
3.882,00	PROF	Ukranian Military, UKR	2200	CW	Bcasts strategic code msg PROF PROF 58286	'05
3.882,00	RGT77	Russian Military, RUS	2044	CW	Bcasts routine strategic code msg 443	'05
3.882,00	VRMV	Ukranian Military, UKR	2107	CW	Bcasts msg to collective GFSA	'05
3.882,00	X2G5	Russian Military, RUS	1845	CW	Recipient IDON repeats back Weak	'05
3.883,00	---	unid ham or italian ff/unid	1945	USB	qso with delta ? kilo & echo? then unid digital burst	'05
3.883,00	---	Russian Military station, RUS	2036	CW	sending time strings as +5 hrs "0136 0137 0138" etc	'07
3.884,00	9OKR	Russian Military	1925	CW	Comms check with at least HCJR WFDV 8V8X PUHK SAFU ZEOU	'05
3.884,00	AIGS	CIS Military	2218	CW	Ends bcast msg PYPaW 339 RPT AL K	'07
3.884,00	SRXL	Russian Military	2209	CW	FWXJ de SRXL QRJ? QYT6 K repeating RPT K Then QTC K Msg	'05
3.884,00	VTKY	Russian Military	2036	CW	NTOF de VTKY K Nothing further Later YTGT gives QRV K	'05
3.885,00	---	fishermen	0922	USB	fr d/x	'07
3.886,00	N89P	Russian Military	1935	CW	5LGs to BAZI w/PBL unid at 2225z 5LGs w/end & s/off T=0	'07
3.886,50	AEA1AP	US Army MARS str, DEU	0820	LSB	wkg AEA1AT and AEA1AP	'06
3.889,00	---	unid	1544	CW	tmioet met itm itd hbi t5 tub 5t5 t88 t8t dtt noe 6tse	'06
3.889,00	BGJW	Russian Military	2008	CW	Message to CRK6	'05
3.889,00	MOBILE1	Polish Forces, POL	1957	MIL.STD 188-141A	clg "WARSZAWA3"	'08
3.889,00	OCF5	CIS Military	1910	CW	OCF5 QRV Receiving tfc NCS not found	'05
3.889,00	WARSZAWA2	Warszawa Polish Forces, POL	2123	MIL.STD 188-141A	clg "MOBILE1"	'08
3.889,00	WARSZAWA3	Warszawa Polish Forces, POL	1950	MIL.STD 188-141A	clg "MOBILE1"	'08
3.890,00	UWS	Kiev Radio, UKR	1958	CW	Busy with riverine tfc	'07
3.890,00	UWS3	Kiev Radio, UKR	1930	CW	QTC list then tgms to ships	'05
3.890,00	UWS3	Kiev Radio, UKR	2054	CW	Tfc (36wpm) to ship Gorckow	'06
3.893,00	1GKS	Ukranian Military, UKR	2037	CW	Msg for HIV4 responds Simplex net	'05
3.893,00	3Z3A	Ukranian Military, UKR	2224	CW	Sends msg to collective Repeats Ends	'05
3.893,00	4DN2	Russian Military	1956	CW	Ends 5LG msg of around 79 groups to collective	'05
3.893,00	7Q9W	Russian Military	2144	CW	Bcasts msg to all QTC	'05
3.893,00	9D7A	Ukranian Military, UKR	2145	CW	OJXF de 9D7A QTC repeats ends with QLN AR	'05
3.893,00	DJFF	Ukranian Military, UKR	2223	CW	Bcast msg to collective DJFF QTC Rpts Ends AR	'05
3.893,00	KMAB	Ukranian Military, UKR	2125	CW	???? KMAB and IZCS give R 050 K	'04
3.893,00	KSQA	Russian Military	1815	CW	Bcasts msg to collective AE90 Followed by a msg to 7AV4	'05
3.893,00	QN5S	Ukranian Military, UKR	2056	CW	Bcasts msg to collective 4PNT rpts QLN AR	'05
3.893,00	TWYL	Russian Military	2230	CW	Bcasts msg to collective B1N9 rpts msg ending	'05
3.893,00	WETN	Russian Military	2232	CW	Bcasts msg to collective WETN	'05
3.893,00	WXYD	Russian Military	2203	CW	Bcasts msg to collective TKOC	'05
3.893,00	ZZQX	Russian Military, RUS	1855	CW	"xxx xxx FYUS FYUS 58078 desant 5084" repeated	'05
3.893,50	---	unid	0122	FSK 100/170	tfc in cipher TWINS	'07
3.894,00	---	fishermen	2003	CRY-2001/USB	Male voices 2 correspondents	'08
3.894,50	---	unid	0122	FSK 100/170	tfc in cipher TWINS	'06
3.895,00	000021000	unid prob. Greek Military	1605	MIL.STD 188-141A	clng 0000210788	'05
3.895,00	0000210001	Greek Police	1810	MIL.STD 188-141A snd		'06
3.895,00	0000210288	Greek Police	1920	MIL.STD 188-141A snd		'06
3.895,00	0000210402	Greek Police	1846	MIL.STD 188-141A snd		'06
3.895,00	0000210502	Greek Police	1900	MIL.STD 188-141A snd		'06
3.895,00	0000210601	Greek Police	2150	MIL.STD 188-141A snd		'06
3.896,00	---	NATO Tact Air Defence Data System	2307	LINK-11/2250/ISB	Appears same data in each sideband	'06
3.896,00	AHS	unid	0708	MIL.STD 188-141A	clg AQJ 0712 cln AMY 0717 clng AKF	'07
3.896,00	AKF	unid	0715	MIL.STD 188-141A	Responds to AHS 0750 clng AHS	'07
3.896,00	H0S	unid	0710	MIL.STD 188-141A	clg S6G	'06
3.896,00	K9F	unid	0721	MIL.STD 188-141A	clg H0S	'06
3.896,00	T236AA	US Army 236th Medical Company Europe	2307	MIL.STD 188-141A snd		'07
3.897,00	8WKB	CIS Military	1831	CW	8WKB QSA2 K 8WKB QRV K 8WKB RPT PBL K 8WKB R NR 274 K	'06
3.897,90	---	unid	0235	CW	F1A-530HZ Slow hand Weak Tfc in figs	'06
3.899,00	3IKX	Russian Military	2154	CW	Msg to unid 3IKX	'05
3.899,00	C8C	Russian Military	1811	CW	Msg for NCS DSPM QSLs on QSX Freq 4447 kHz	'05
3.899,00	KUAM	Russian Military	2226	CW	KUAM R 333K DQNY OK QTA 333 K 3IKX QRV K	'05
3.900,00	AA1	Isrealian Air Force Ben Gurion, ISR	2002	MIL.STD 188-141A	clg prob. collective ACCES1 Then tries on 4700 kHz	'04
3.900,00	BJ22	unid ALG MOI, DZA	0600	MIL.STD 188-141A	clng UM22	'06

3.900,00	CO0036/.38/.54	unid	0808	HFDL	via reykjavik	'07
3.900,00	EK7	Estonia Military	2129	MIL.STD 188-141A	"to WD3" 06	'05
3.900,00	HQ1	GMRA Tripoli, LBY	2052	MIL.STD 188-141A	clg TUBRUK	'07
3.900,00	JE21	unid ALG MOI	1736	MIL.STD 188-141A	TO UM2215	'06
3.900,00	JE25	Algerian Military, DZA	2337	MIL.STD 188-141A	clg UM20	'06
3.900,00	LH7	Estonian Military	2146	MIL.STD 188-141A	wkg EY5	'05
3.900,00	LU9	Estonia Military	2230	MIL.STD 188-141A	clg WD3	'05
3.900,00	MAGIC 58	NATO E-3A	2253	USB/RATT	wkg DHN66 (Geilenkirchen)	'06
3.900,00	MAGIC 59	NATO E-3A	2254	USB/RATT	wkg DHN66 (Geilenkirchen)	'06
3.900,00	OT8	Estonian Military	2120	MIL.STD 188-141A	clg EW5	'05
3.900,00	OT8	Estonian Military	2116	MIL.STD 188-141A	clg QA4	'05
3.900,00	PARNUYJP	Independent Inf Bn Estonian Army Pärnu	1703	MIL.STD 188-141A	clg Indep Signals Bn clg Kuperjanov on 3823 kHz	'04
3.900,00	TFW	ARINC GLOBALink Node Reykjavik, ISL	2245	HFDL	wkg CLX892 EY0100 VS0372 SU0341 SU0299 SU0263 SU0277	'07
3.900,00	VC6	Estonian Military	1935	MIL.STD 188-141A	clg DV9	'06
3.900,00	WD3	Estonian Military	2115	MIL.STD 188-141A	clg LU9 and EK7	'04
3.902,90	---	unid	1247	CW	marker te	'06
3.905,00	---	NATO Air Defence Data System	2235	LINK-11/2250/ISB TADIL-A		'05
3.905,00	---	fishermen	2128	CRY-2001/USB	Male voices	'08
3.914,70	---	unid Military	1839	STANAG-4285/USB	tfc in cipher	'08
3.924,00	20061018	unid	0750	UNID	Plymouth with 9KU and 7WZ USB	'06
3.930,00	---	Kinloss Rescue ARCC Kinloss	2357	USB	RESCUE 128 to divert to Lancaster Infirmary	'07
3.932,00	42C	CHARLY42 Loc?	2201	MIL.STD 188-141A	clg CHARLY46	'06
3.932,00	50	prob. 50° STORMO S Damiano PC	0630	MIL.STD 188-141A	clg CHARLY46	'06
3.932,00	51	unid Italian Air Force	1622	MIL.STD 188-141A	clg CHARLY46	'06
3.932,00	56	Italian Air Force	2024	MIL.STD 188-141A	clg CHARLY46 HQ	'06
3.932,00	57	Italian Air Force	2102	MIL.STD 188-141A	clg CHARLY46 HQ	'06
3.932,00	58	Italian Air Force	1327	MIL.STD 188-141A	clg CHARLY46 HQ	'06
3.932,00	CHARLY46	46th Aer. Brigade Pisa-San Giusto A.B, ITA	2209	MIL.STD 188-141A	clg 46	'06
3.933,00	RFFH	Russian 'RFF' Net	2019	CW	RFFh passes msg to NCS RFFN	'05
3.933,00	RFFM	'RFF Net'	1900	CW	RFFM RFFP RFFR and RFFO passing tfc to NCS	'08
3.933,00	RFFN	'RFF' Net NCS	1922	CW	End of sked with RFFR on 3933 kHz	'06
3.933,00	RFFO	RFF Net	1905	CW	RFFO passes one 5FG msg to RFFN	'05
3.933,00	RFFP	Russian 'RFF' Net	2032	CW	RFFN de RFFP QSA1 QTC K.//	'04
3.933,00	RFFY	Russian 'RFF' Net	1932	CW	Sends one and receives one msg from RFFN	'05
3.934,40	DJ04	unid	2142	MIL.STD 188-141A	clg DJ06	'06
3.934,40	DJ05	unid	1941	MIL.STD 188-141A	clg DJ04 Also at 2213	'06
3.934,40	DJ06	unid	2221	MIL.STD 188-141A	responding to DJ04	'06
3.934,40	DJ07	unid	1943	MIL.STD 188-141A	clg DJ09	'06
3.934,40	DJ08	unid	1911	MIL.STD 188-141A	clg DJ09	'06
3.934,40	DJ09	unid	1845	MIL.STD 188-141A	clg DJ07 who responds Many calls	'06
3.935,00	---	unid Military	2122	MIL.STD 188-110-39T/USB	tfc in cipher	'07
3.935,00	244	unid	2121	MIL.STD 188-141A	clg "514"	'07
3.935,00	288	unid	2135	MIL.STD 188-141A	clg "686"	'07
3.935,00	3771	unid	1759	MIL.STD 188-141A snd		'07
3.935,00	514	unid	1810	MIL.STD 188-141A	clg "686"	'07
3.935,00	571	unid	2144	MIL.STD 188-141A	clg "288"	'07
3.935,00	686	unid	2121	MIL.STD 188-141A	clg "244"	'07
3.935,00	9850	unid	2201	MIL.STD 188-141A snd		'07
3.937,10	323	unid Illicit	2104	CW	Repeats 323 0 0 0	'05
3.939,00	MUSHROOM	French Air Force, FRA	2239	USB/RATT	wkg Mala (COFAS Taverny)	'06
3.940,00	---	Kichinev Air ?, MDA	1638	USB	numbers..	'07
3.945,00	BOULMER	RAF CRC	0927	USB	wkg B7U (RN ship) JAAWSC circuit cross	'07
3.950,00	---	fishermen	0737	USB		'06
3.954,00	"C"	SLB Moscow	2234	CW		'06
3.955,00	---	unid Navy	0740	81-81		'06
3.963,00	A06	prob. Dutch Military	1440	USB ALE/MIL-188-141A	clg A09,Mil-188-110 2400/s	'05
3.963,50	---	Argentine AF	0202	USB	Wx rpt Cities Resistencia Monte Caseros Saenz Peña	'05
3.965,00	---	RFI Issoudun, FRA	2145	AM		'06
3.972,50	---	unid Fronet Station	1855	FACTOR-I	Calling:F52HAF FB Värmland no joy	'08
3.975,00	---	Radio Budapest Jaszbereny, HUN	2135	AM		'06
3.995,00	---	Deutsche Welle Wertachtal, DEU	2146	AM	Digital DRM UTC 1	'06

3.996,00	GRFTOC	unid Tact. Op Center prob. US-Army	1230	MIL.STD 188-141A snd	also at 1528 and 1618	'07
4.000,00	AAM4TAL	unid	0400	PSK31	w/ MARS net on	'06
4.000,00	NGTROOPCMD:	US NG 73rd Troop Command Columbus, USA	1025	MIL.STD 188-141A snd		'07
4.001,00	PA	QTH Colorado, USA	2330	CW		'07
4.003,00	PXNV	Ukranian Military, UKR	1707	CW	Msg to collective PXNV	'07
4.005,00	---	unid US Navy	0030	FSK 50/850	encrypted	'05
4.005,00	---	Vatican Radio Vatican City, CVA	2147	AM		'06
4.006,50	7110	unid Military ? RUS/CIS	1815	CW	tracking data	'06
4.007,00	423	unid Illicit	2112	CW	423 423 423 12 12 26 26	'06
4.008,00	---	CIS Military	1912	MS-5/4800/DPSK/USB	In tfc	'06
4.009,00	---	unid	1823	RTTY 75/850 4		'05
4.010,00	---	Algerian Military, DZA	2112	MIL.STD 188-141A	to RML	'07
4.010,00	AC10	Algerian National Guard, DZA	2257	MIL.STD 188-141A	clg "XL17"	'08
4.010,00	ALYTBAT	unid	0452	MIL.STD 188-141A	clg "TAUBAT"	'07
4.010,00	BORA	Albanian MOI/Police, ALB	1745	MIL.STD 188-141A	clg "DRINI"	'07
4.010,00	DRINI	Albanian MOI/Military, ALB	1740	MIL.STD 188-141A	clg BORA	'08
4.010,00	MALI	Albanian Police, ALB	1815	MIL.STD 188-141A	clg "DRINI"	'07
4.010,00	ND10	Algerian National Guard, DZA	2130	MIL.STD 188-141A	clg "RM10"	'08
4.010,00	PANBAT	unid	2208	MIL.STD 188-141A	clg "RUKBAT"	'07
4.010,00	RM10	Algerian National Guard/Military, DZA	2158	MIL.STD 188-141A	clg XV10	'06
4.010,00	RUKBAT	unid	0454	MIL.STD 188-141A 31	clg "PANBAT"	'07
4.010,00	TAUBAT	unid	2208	MIL.STD 188-141A 30	clg "ALYTBAT"	'07
4.010,00	XL10	Algerian National Guard, DZA	2248	MIL.STD 188-141A 16	clg "AC10"	'08
4.010,00	XL11	Algerian National Guard, DZA	2103	MIL-STD-188-110A/USB	SEND MSGS TO "RM10"	'08
4.010,00	XL12	Algerian National Guard, DZA	2051	MIL.STD 188-141A 16	clg "XL10"	'08
4.010,00	XL17	Algerian National Guard, DZA	2157	MIL.STD 188-141A 16	clg "XL10"	'08
4.010,00	XL18	Algerian National Guard, DZA	0019	MIL.STD 188-141A 08	clg "XL21"	'08
4.010,00	XL21	Algerian National Guard, DZA	0011	MIL.STD 188-141A 08	clg "RM21"	'08
4.010,00	XV10	Algerian National Guard, DZA	2135	MIL-STD-188-110A/USB	SEND MSGS TO "RM10"	'08
4.010,50	7KK	Norwegian Navy ship	0049	USB/STANAG-4285	wkg 0EB (RNoN ship) IDM reports via data Line	'07
4.014,00	ZSC	Capetown	1715	RTTY 75/170	Navarea Wx	'06
4.014,40	---	CIS Military, CIS	2340	81-81 40.5/500	tfc in cipher	'08
4.014,70	---	DRK DEKA, DEU ?	2319	PACTOR-I	clg DEKA27 2331,2344,2357 clg DEKA27	'08
4.015,00	---	fishermen	2053	CRY-2001/USB	Male voices Analogue voice scrambler with digital synch	'06
4.015,00	---	unid MARS Station	2245	FEC		'07
4.015,00	AEM1ZLB	MARS Station, DEU	0748	PSK-31	wkg AEM1SLC writing about probs with Acces to the BBS	'08
4.015,00	FDG	unid	0639	CW	VVV VVV VVV VVV VVV DE FDG FDG FDG AR on	'06
4.015,00	KKL	Republic Radio Washington, USA	0904	CW	"CQ CQ CQ DE"	'07
4.015,00	SYN2	Mossad Tel Aviv, ISR	1750	USB	GRA ING	'07
4.015,00	VLB2	Mossad Tel Aviv, ISR	1946	USB	// 5170.0//06370,00	'05
4.015,10	572	unid Illicit	2234	CW	Repeating 572 callup Then tfc	'05
4.017,00	v2a	Numbers station	0308	USB	SS/YL 5d	'05
4.017,80	---	unid MARS	0135	FEC 100/170	AAA7AI and AAR7FE chatting about computer harddrives	'06
4.018,00	---	CIS Military	2119	RUS-SYS 75/200	tfc in cipher	'07
4.018,50	FAV22?	French Army Fort de Bicetre	1735	CW	NR 43 N 13 18 35 05 1984 BT // 4039	'07
4.019,00	5MJM	CIS Military	2039	CW	FBTR de 5MJM QWG K 5MJM de FBTR	'06
4.020,00	---	NATO Air Defence System	2238	LINK-11/2250/LSB		'05
4.020,00	---	unid rus, RUS	2152	81-81 50/248	with reversal	'07
4.020,00	---	CIS Military	1841	81-81 40.5/485	tfc in cipher	'07
4.020,00	---	fihermen	2009	CRY-2001	voice cipher UTC 2	'06
4.020,80	---	USA	1409	USB	US Army MARS tfc - slow speed net	'06
4.020,90	AAA8UT/B	unid	1404	LSB	Utah MARS net with tfc	'07
4.021,00	BE8I	Russian Military	2113	CW	Comms check with at least 3FD8 and CGJ6	'05
4.021,00	BME8	Russian Military	2006	CW	Comms check with ETET FS48 GPYC and 6NQZ	'05
4.021,00	KPLD	unid	1943	CW	GRA/ clg /wkg "OICM" 'OICM DE KPLD QTC K	'08
4.021,00	NZX1	Russian Military	2156	CW	Exchanges QSAs with ???? and 4YXN	'05
4.021,50	R26604	UH-60L # 95-26604	0220	MIL.STD 188-141A	clg B1z171 1-171st AVN	'06
4.022,00	---	fishermen	1751	USB	dutch	'05
4.022,00	---	unid	1915	RTTY 75/500	enchr. Msg ends with "QRU QRU SK SK 34768 42509"	'08
4.022,00	---	FAPSI	1915	RTTY 75/500 10		'08
4.022,00	FDI22	French Air Force Narbonne, FRA	1755	RTTY 75/500	test voyez le brick..	'05

4.022,00	RIT	Russian Navy Severomorsk	1825	CW	simplex wkg RJD80 "RJD80 de RIT ZZZ ? k"	'07
4.022,00	UFO	unid Russian Governmental	1910	RTTY 75/500/N	RY-mkr for "UFO 2/280" & 2 5FGs-msgs after "11100 00701	'07
4.024,50	H5F	Norwegian Navy vessel	2335	USB	wkg H3P 8XD and G6S (all NATO vessels) Link11	'06
4.025,00	---	unid prob. G07	2022	AM	German Lady with numbers strange accent	'06
4.025,00	VL1	unid	0038	MIL.STD 188-141A snd		'07
4.026,00	---	fishermen	0917	USB	ff d/x	'05
4.026,00	---	unid	2051	COQUELET 8 ?		'05
4.026,40	---	unid	2042	FEC No decode Encrypted		'06
4.027,00	---	CIS Military	1806	81-81 81/160 28	tfc in cipher	'08
4.027,00	RJF35	Russian Navy vessel	1720	CW	wkg RJV38 "qsa no" Both stations logged on this channe	'04
4.027,00	RJV38	unid Russian, RUS	1723	CW	rif35 rif35 de rjv38 rjv38 qsa 2 qsa ? k no tfc s	'07
4.028,00	---	Cuban DGI, CUB	1743	USB/J3E	SS 5F msg	'04
4.029,00	2V7X	CIS Military NCS	1735	CW	clg many 4-graphs for "rk" ra/checks	'05
4.030,00	---	fishermen	0515	USB	por d/x	'07
4.030,00	---	unid	1903	CW	Repetition of tfc in five fig grps each grp sent twice	'06
4.030,00	---	unid	2014	CW	Tfc in offline encrypt 5ltr grps and other op codes	'07
4.030,00	---	unid	1754	CW		'07
4.030,00	---	CIS Military	2238	81-81 81/250	Slow revs No cipher	'05
4.030,00	---	CSI Military	2012	CW	Duplex cipher Morse sked Offair with OK K	'06
4.030,00	5810	unid "58x0-Net"	0451	MIL.STD 188-141A snd		'08
4.030,00	5830	unid "58x0-Net"	1948	MIL.STD 188-141A snd		'08
4.030,00	745	unid Illicit	1910	CW	Ends 5FG msg	'05
4.031,00	"P"	SL Beacon Kaliningrad	2029	CW	// 4476	'05
4.031,00	---	unid NDB ?	1853	CW/RTTY	not decoded	'05
4.031,00	---	unid Italian Navy ?	0623	USB	ita " dr "	'05
4.031,00	AM	Italian Navy ship	2220	STANAG-4285/USB	wkg IDR (ITN Roma) voice coord for data tfc	'06
4.031,00	DGDG	unid Italian Navy	2015	USB	wkg IDR/Rome/Augusta 31	'06
4.031,00	DR	Italian Navy Rome, ITA	2134	USB	wkg DG Ser.Tone Modem after voice cmd	'07
4.031,00	IABL	Italian Navy vessel PHM "NMM SIRIO P 410"	2150	USB	Guided Missile Combatant Patrol	'08
4.031,00	IADV	IN trials frigate F581 "Carabinieri"	0837	USB/STANAG-4285	wkg IDR voice coord for data tfc qsy to CL15 = 6262.5	'07
4.031,00	IAOH	Italian Navy	1705	USB	c IDR roma	'07
4.031,00	IARM	Italian Navy	1942	USB	Amphibious Transport Dock Ship/Landing Platform Dock	'08
4.031,00	IATA	Italian Navy Ship CASSIOPEA P401, ITA	1858	USB/STANAG-4285/600L/8n1	qso id	'07
4.031,00	IATC	Italian Navy Ship SPICA P403, ITA	1728	USB/STANAG-4285/600L/8n1	tfc to/from idr - begins and ends with UUUUUUUUUUUU	'07
4.031,00	IATO	unid Italian Navy ship	2227	USB/STANAG-4285	wkg IDR voice coord for data tfc no copy qsy CL5	'06
4.031,00	IATO	Italian Navy Ship	1743	USB	clg IDR	'07
4.031,00	IDR	Italian Navy Roma, ITA	0215	USB	OM/II+EE wkg IAOB w/coord for data mode	'07
4.031,00	IGDG	unid Italian Navy	1605	USB	wkg IDR/Rome/Augusta	'06
4.031,00	IGDH	Italian Navy Cargo vessel LIPARI A5352	1522	USB	OM/II IDing as DH wkg IDR w/coord fr data	'07
4.031,00	IGDI	Italian Naval Cargo vessel CAPRI A 5353	1626	USB	wkg IDR w/coord fr data tfc	'08
4.031,00	IHCH	Italian Navy Ship CHIOGGIA M5560, ITA	1855	USB/STANAG-4285/600L	qso id	'07
4.031,00	IHMG	Italian Navy Coastal Minehunter MHC	1935	USB	OM/II wkg IDR QSY "CL13" for coord of STANAG-4285 tfc	'08
4.031,00	IHMO	Italian Navy Minehunter "ALGHERO M5556"	1701	USB	OM/EE sx wkg IDR Roma fr data coord	'08
4.031,00	IHMR	Italian Navy Coastal Minehunter MHC	2153	USB	OM/II wkg IDR fr coord of STANAG-4285 tfc IDing as "MR"	'08
4.031,00	IHMV	Italian Navy Minesweeper Vieste	2030	USB	wkg IDR/Rome/Augusta	'06
4.031,00	S1T	unid	1937	MIL.STD 188-141A	clg AM	'07
4.031,00	Tango-Delta	Italian Navy P404 "VEGA"	1928	USB/ STANAG-4285	wkg Delta-Romeo: Rome	'07
4.031,75	---	CIS Military CIS	1851	81-81 81/250	tfc in cipher	'08
4.032,00	---	unid Military ?	0448	NATO-75		'07
4.032,00	---	unid	2110	RTTY 50/500/N	5FGs	'07
4.032,00	---	unid	1705	USB	with c/s's Also snd on 4830 and 5201 sometime 5202	'06
4.032,00	ZSJ	SAN Silvermine	1745	MFSK32 54.5bd	Crypto	'05
4.032,10	---	unid Russian Air Defence	1625	RTTY 200/500	transm Multifigure Grps	'08
4.032,50	---	SA Navy Durban	2240	MFSK		'05
4.032,50	---	French Forces	0632	CW	GRA 'BT NR 03 F T4 17:42:33 1980 BT ZGJGZ'	'08
4.032,50	T5B159	Co 5th/159th Aviation Battalion Heavy Lift	1238	MIL.STD 188-141A snd	Fort Eustis Va.	'07
4.032,70	ZSJ	SAN Silvermine	0330	MFSK32		'06
4.032,90	WUG231	Memphis Tennessee	0113	LSB	Armed Forces Day with ID	'06
4.033,00	FAV22 ?	French Military Spooky CW Stn "M51"	1444	CW	"NR 17 J 14 15 44 10 1985 BT ..." 5LGs	'08
4.034,00	M08	Cuba	1502	CW	5f? very weak QRM from SWBC station unusable here	'07
4.035,00	---	fishermen	1746	USB	fr d/x	'06

4.035,00	AM50	Algerian National Guard, DZA	2325	MIL.STD 188-141A	clg "RM50"	'08
4.035,00	CY40	Algerian National Guard, DZA	2242	MIL.STD 188-141A	clg "CY51"	'07
4.035,00	CY41	Algerian Military, DZA	2313	MIL.STD 188-141A	clg RM50	'07
4.035,00	CY43	Algerian National Guard, DZA	0548	MIL.STD 188-141A	clg "CY40"	'07
4.035,00	CY45	Algerian Military, DZA	2245	MIL.STD 188-141A	clg RM50	'06
4.035,00	CY47	Algerian National Guard, DZA	2155	MIL.STD 188-141A	clg "RM50"	'07
4.035,00	CY51	Algerian Military, DZA	2156	MIL.STD 188-141A	clg CY52	'07
4.035,00	CY52	Algerian Military, DZA	1701	MIL.STD 188-141A	clg CY51	'07
4.035,00	CY53	Algerian Military, DZA	2118	MIL.STD 188-141A	to RM50 16	'07
4.035,00	CY55	Algerian National Guard, DZA	2324	MIL.STD 188-141A	clg "RM50"	'08
4.035,00	CY56	Algerian National Guard, DZA	0538	MIL.STD 188-141A	clg "CY40"	'07
4.035,00	HA40	Algerian Military, DZA	2108	MIL.STD 188-141A	clg VK47	'07
4.035,00	RM50	Algerian Military, DZA	2245	MIL.STD 188-141A	clg CY45	'06
4.035,00	VK47	Algerian Military, DZA	2108	MIL.STD 188-141A	clg HA40	'07
4.035,00	VK52	Algerian Military, DZA	2116	MIL.STD 188-141A	clg HA40	'07
4.035,00	YG40	Algerian Military, DZA ?	1858	MIL.STD 188-141A	to YG53	'06
4.035,00	YG52	unid	2001	MIL.STD 188-141A	to YG48	'06
4.035,00	YG66	Algerian Military/MOI, DZA	2119	MIL.STD 188-141A	clg YG48	'07
4.035,90	---	unid Apparent MARS net	1957	UNID		'07
4.036,00	---	CIS Military	1854	CIS-75/75/250	tfc in cipher	'08
4.036,50	---	EAATS Muir AAF Fort Indiantown Gap Pa	2255	MIL.STD 188-141A snd	Eastern Army Aviation Training Site Also noted on 5875	'05
4.037,50	CO89C	unid COxxX-Station	1900	FACTOR-I 100/		'07
4.038,00	SQUALO 4	Guardia di Finanza unid unit	0207	USB	sx OM/II wkg "50" msg "3NA 5500"	'07
4.038,90	AAMØID	USA	1303	USB	clg for traffic	'06
4.039,00	---	fishermen	0629	USB	ff	'05
4.039,00	---	unid	2350	SKYMASTER THALES SYS. 3000/8-FSK	FSK "ALE-snd" prob. French sx tfc no "ALE-decode"	'08
4.039,00	---	unid	0851	CW	tfc	'08
4.039,00	RIT	Vaygach, RUS CIS Navy	2100	CW	clg RLEM RLNT RLEA	'07
4.039,70	---	unid	0126	NATO 75/850	tfc in cipher	'07
4.040,00	---	unid Military ?	0655	CW	5 letters blocks	'08
4.040,00	---	fishermen	0919	USB	d/x	'05
4.040,00	11031	Ministry of Interior, MRC	0153	MIL.STD 188-141A snd		'08
4.040,00	11032	Moroccan Civil Protection, MRC	0400	MIL.STD 188-141A snd		'08
4.040,00	11043	Moroccan Civil Protection, MRC	0152	MIL.STD 188-141A snd		'08
4.040,00	USU8	unid, UKR	1824	CW	clg /wkg USU2	'08
4.041,00	---	unid	2258	CW	Off at 2303	'05
4.041,00	NNNOXEX	net control in USN/USMC MARS 5M1B Net	2303	FSK 120/		'06
4.042,00	---	Military	1857	NATO-100 100/850	tfc in cipher	'08
4.042,00	---	unid	2043	2FSK/F1B/100/850 ACF=0	encrypted strongsignal	'07
4.042,00	378	unid Illicit	2200	CW	378 callup repeated ending 0 0 0	'05
4.042,00	SWM4	Ukranian Military, UKR	2245	CW	Ends 70x5LG msg Then msg to BGPS	'05
4.043,00	"p"	MX Cluster beacon SLB Kaliningrad, RUS	1959	CW		'05
4.043,00	---	Navy Kaliningrad, RUS	2015	BEE 36-50 50/200	encrypted msg followed by beacon operation transmitting	'05
4.043,00	FDC	French Air Force Metz, FRA	2305	RTTY 50/380	Tests	'05
4.043,00	FDI8	French Air Force Nice, FRA	1948	RTTY 50/400	Bricks tests	'05
4.044,00	EDI	Royal Navy destroyer d97 edinburgh	1943	USB	w FRT german navy A1412 "Frankfurt am Main	'06
4.044,00	FRT	unid navy?	0503	USB	eng w HES unid navy ? about 3038,5	'06
4.044,00	HES	unid Navy	0511	USB	c ED	'06
4.044,70	---	unid Fronet Station, SWE	1043	FACTOR-I 100	Calling:F18HIK FB # Kalmar	'07
4.045,00	---	unid	1257	USB	prob. Mexican vessel reporting pos reports off the Baja	'06
4.045,00	AEM1SLC	MARS net ?	0717	PSK31	c AEM1AD AEM1ZLB	'07
4.045,00	AGURCHIK	Moskva/Chemeritevo Air, RUS	1940	USB	wkg "SHPORA"	'08
4.045,00	SHPORA	Rostov na Donu, RUS Air	1940	USB	clg /wkg "AGURCHIK"	'08
4.045,00	TVARETS	Penza Air, RUS	1942	USB	wkg "AGURCHIK"	'08
4.045,00	WCY	Memphis Tennessee, USA	1039	USB	with wx broadcast and wkg ships	'06
4.046,50	XSS	British MOD Forest Moor, GBR	2255	MIL.STD 188-141A snd		'08
4.047,50	---	unid	1907	COQUELET 13 ?	crypt?	'07
4.047,50	2R1U	unid CIS Military	1830	CW	Duplex Radio check with station ANOI and PPPN	'07
4.048,00	---	French Navy	1415	USB	eng baltic sea exercice.	'07
4.049,00	---	CIS Military	1824	RUS-75 75/250	tfc in cipher	'08
4.050,00	---	unid	2012	CW		'07

4.050,00	---	fishermen	1604	CRY-2001/USB	Male voices Synch in FSK at f+1500 Hz	'06
4.050,00	FDG	French Air Force Bordeaux, FRA	2020	RTTY 50/400	"test de fdg"	'06
4.050,00	MISRATA	GMRA Misratah, LBY	1805	MIL.STD 188-141A	clg MOBILE16	'07
4.050,00	XS10	Algerian Military, DZA	1925	MIL.STD 188-141A	clg XS13	'08
4.050,40	---	unid POL	0805	POL-ARQ/100/170		'05
4.050,50	GALION02	French Forces ?	0743	USB	fran - other frq " ypen degagement rv à h15 "	'06
4.050,50	JWT	Norwegian Navy Stavanger, NOR	2003	USB	wkg "G8C"	'07
4.050,90	659	unid Illicit	2102	CW	Repeating 659 659 659 0 0 0 QRU?	'05
4.051,00	"P"	Beacon Kaliningrad	0901	CW		'06
4.051,00	---	Ukranian Military, UKR	2225	CW	Ends long 5FG msg 92285 97512 16085 K	'07
4.051,00	5KN9	unid	2029	CW	call-up de 5kn9 k	'07
4.051,00	7EE5	Ukranian Military, UKR	2116	CW	Message to collective M9BP	'05
4.051,00	BPKI	Ukranian Military, UKR	2010	CW	correspondents apparently answer in turn and given R K	'05
4.051,00	CE9T	Ukraine Military, UKR	2218	CW	5LG msg to QIG5 who answers on 3832	'05
4.051,00	DDDI	unid	2034	CW	DDDI K5555 INT C K Lots of Vs Mostly unreadable	'05
4.051,00	E8CM	Ukranian Military, UKR	1713	CW	comm check via Kristianstad remote rcvr	'05
4.051,00	IRIN	Ukranian Military, UKR	2135	CW	Ends long 5LG Msg WQJAö SVSyy KBKZV K	'05
4.051,00	J4QA	Ukranian Military, UKR	1927	CW	KSNZ de J4QA QRJ?QYT5 K QJG QMO QYT5 RLO Net freq	'06
4.051,00	JFWA	Ukranian Military, UKR	2248	CW	Message for HSB3	'05
4.051,00	KGYC	CIS Military	1715	CW	Comms check Net frequency	'06
4.051,00	L8X7	unid Military, RUS ?	2005	CW	QTC for M4XQ 5-let grps.."	'06
4.051,00	LA7F	Ukranian Military, UKR	2253	CW	Msg for FN4N, FN4N responds on QSX freq 3832	'05
4.051,00	NETG	Ukranian Military, UKR	1834	CW	Msg to collective W5YQ, repeats RPT AL QXS AR	'05
4.051,00	QVK6	Ukranian Military, UKR	2012	CW	Message for GOKR, GOKR responds on QSX freq 3832	'06
4.051,00	ST9M	Ukranian Military, UKR	1920	CW	Bcasts msg to collective 7NVW, Later sends MSCB QLW QSA	'05
4.051,00	T6XW	Ukranian Military, UKR	2319	CW	Comm ck via Kristianstad remote receiver	'05
4.051,00	WGYE	Ukranian Military, UKR	1915	CW	Comms check	'05
4.052,00	---	unid	1640	CW	dx cfm-tfc for 4FGs/cut 1234567890=AU34567DNT msg NR42	'08
4.053,20	---	unid	1938	4-FSK 125/300		'06
4.055,00	RCV	HQ Black Sea Fleet Sebastopol, UKR	1845	CW	Bcasts msg to RIC87	'07
4.055,20	---	Military	2322	STANAG-4285/USB	tfc in cipher	'08
4.059,00	---	M21 Russian Air Defence PVO	1916	CW	Incrementing plots	'05
4.059,00	---	unid	1936	CW	VVVVVVVV/tfc	'08
4.060,00	---	fishermen	0823	USB	fr d/x "damage...royan...arcachon..."	'07
4.060,00	FAV22 ?	French Military Morse Training Stn "M51"	0026	CW	"NR 54 D 28 05 27 06 1984 BT ..." 5LGs	'07
4.060,35	---	unid	2043	FEC 100/170	tfc in cipher	'08
4.061,00	0JQU	unid	1713	CW	Hand keyed "vv 8MOS 8MOS 8MOS de 0JQU 0JQU kk"	'05
4.062,00	TERAKOTA94	Polish Military, POL	0813	CW	5fg msg to Tank95???distorted & others.	'05
4.066,00	---	unid	1953	CW	tfc/GRN	'07
4.066,00	AAT7WE	QTH?	1337	USB	with MARS net	'07
4.067,00	---	UZHYMET Tashkent "Tashkent Meteo", UZB	1655	FAX 120/576	1050Hz shift wx charts	'07
4.068,00	---	unid Air Defence ?	2201	LINK-22/USB	NILE ? Previously active on 6433 kHz/USB From S&D	'06
4.068,00	---	Military	2323	STANAG-4285/USB	tfc in cipher	'08
4.068,00	4N7R	unid Serbian ?	2356	MIL.STD 188-141A	clg PGID	'06
4.068,00	BZWE	unid	2027	MIL.STD 188-141A	clg 4N7R	'05
4.068,00	NW	unid	1930	USB	"NW" wkg "G"; talking about tracks	'07
4.068,00	PGID	unid	2025	MIL.STD 188-141A	clg YVBZ	'05
4.068,00	RBYG	unid	1750	MIL.STD 188-141A	clg PGID	'05
4.068,00	YVBZ	unid	1812	MIL.STD 188-141A	clg PGID who responds then into dig tfc	'05
4.069,90	GYA	Northwood, GBR	2016	FAX 2jul07	new frequency...M	'07
4.070,00	---	fishermen	1845	LSB	Two males with domestic noise in one background	'06
4.070,00	GYA	Royal Navy Northwood, GBR	2029	FAX 120/576	charts New freq???	'07
4.070,00	KBR	Georgian Forces, GEO	1840	MIL.STD 188-141A	clg "NET4" bc	'08
4.070,00	NET4	Georgian Forces, GEO	1826	MIL.STD 188-141A	clg "KBR" bc	'08
4.071,00	KG4	prog Georgian Military, GEO	2300	MIL.STD 188-141A	clg LF4	'08
4.071,50	---	M21	1421	CW		'05
4.072,00	---	Russian Military	1924	RUS-75 75/240	Encrypted	'05
4.073,00	2236	unid Illicit	1836	CW	Repeating 2236	'05
4.073,00	R23716	US Army a/c	1916	MIL.STD 188-141A snd		'08
4.073,00	T2Z147	US Army 2-147 Aviation	2345	MIL.STD 188-141A snd		'07
4.073,00	T2Z159	US Military 2nd Bn 159TH Avn, IRQ	2202	MIL.STD 188-141A snd		'08

4.073,00	TLZ108	US National Guard 108th ADA, USA	2107	MIL.STD 188-141A		'07
4.073,00	TLZ135	US National Guard, USA	2309	MIL.STD 188-141A		'07
4.075,00	JFQ	Lithuanian Navy Klaipeda ?	0700	MIL.STD 188-141A	clg PLZ	'06
4.075,40	----	unid presumed Russian station	0314	FLB 150/500 ACF=0	encrypted tfc	'07
4.076,00	RJD69	Russian Navy Baltic fleet ?	2200	CW	w/ what sounded like repetition ? of a 5FG msg	'06
4.077,00	----	unid	0730	USB	Two or more males in Arabic voice conversation	'07
4.077,31	MO	Pirate Beacon OK	0626	CW	Morse ID weak and fading at 0626	'07
4.078,00	----	Russian Military	2230	BEE 36-50/50/160	In T600 broadcast tfc	'06
4.078,00	RMP	Russian Navy Kaliningrad	1730	CW	wx-QTC #502 to REO	'07
4.079,53	----	unid	0004	CW	beacon: TMP +temperature	'08
4.079,60	70	QTH?	1115	CW	"TMP 70"	'06
4.079,61	TMP	Pirate Temperature Beacon probably CA	0023	CW	TMP plus "64" at 0023 quickly dropped to 55 06	'07
4.080,00	----	fishermen	1815	UDB	ff d/x	'05
4.080,00	MF3	unid	0902	CW	vvv 8nz 8nz 8nz de mf3 mf3 qru 335 twice	'05
4.081,00	----	unid	2012	MS-5/4800/DPSK/USB		'06
4.082,50	----	FVO/Russian Air Defence	0046	CW	time-mkr "=99t344??t?????" 2 min too late	'07
4.083,00	----	unid	1300	USB	unid CW heavy QRM and no decode	'06
4.083,00	HOPE LING	motor vessel Hope Ling	0709	USB	clg Iloilo Radio/DYV Philippines	'06
4.086,00	SPI	US Natioanal Guard/Polish Army ?	1713	MIL.STD 188-141A snd		'07
4.086,00	SPI324	Polish Army	1815	MIL.STD 188-141A	clg LCR154-prob Janaki Commcen	'07
4.087,00	PECHEURS	unid	1739	USB	hol d/x	'07
4.088,10	----	unid	2254	COQUELET 13 13.3/E/360	4088.06 Weak poor copy or encrypted ?	'07
4.088,90	----	QTH?	1120	CW	dashes and spaces approximately 60 per Military ? nute	'06
4.089,18	Dasher	Beacon	0031	CW	Skipping occasional dash at 0031 06	'07
4.089,24	----	CW beacon Dasher	0017	CW	short dah, S3 on peaks	'08
4.090,00	----	fishermen	0715	USB	fr d/x	'08
4.090,50	OMM	German Navy station	1719	USB	wkg E9E in exerciseJoint Warrior	'07
4.090,50	SEG	NATO Military Exercise Joint Warrior	0402	USB	OM/EE wkg 1CT with tracking details any exercise?	'08
4.090,50	G6Y	unid German	2147	USB	exercise Joint Warrior 081 qso r4f	'08
4.090,50	R4F	unid Royal Navy ?	2159	USB	exercise Joint Warrior 081 alligator chk is 5424 over	'08
4.092,00	LED	unid Military ?	2110	USB	Military ? tracking net ee	'07
4.093,80	----	CIS Military	2330	RUS-75 75/150	In tfc 0,80 offset is unusual	'07
4.094,00	PA	QTH?	1326	CW	with "PA" marker	'07
4.096,00	----	unid	2013	USB	tfc, RUS SIMPLEX	'06
4.096,24	----	Beacon	0026	CW		'07
4.096,55	----	QTH?	1123	CW	dashes and spaces approximately 15 per Military ? nute	'06
4.096,60	----	Beacon	0034	CW	Long dahs	'07
4.097,20	----	QTH?	1129	CW	approximately 56 per Military ? nute	'06
4.097,25	----	unid beacon	0014	CW	drifts about 100 Hz downward during the key-down period	'08
4.098,00	----	fishermen	2030	USB	Scandinavian fishermen duplex	'07
4.100,00	----	unid	0411	CW	stn passing 5F grps in hand-sent CW	'06
4.100,00	----	Military	1846	STANAG-4285/USB	tfc in cipher	'08
4.102,31	"W"	Beacon	0036	CW	dits at varying rate said to correspond to wind speed	'07
4.102,32	"W"	(QTH?)	1120	CW	"W" followed by pips/data bursts	'06
4.102,37	"W"	SL Beacon	2038	CW	Loud single-letter followed by various strings of dits	'07
4.102,40	----	unid Algerian Military/Intel Station, DZA	1928	COQUELET-8/37,5ms	encr.traffic after "CODE"	'08
4.103,80	----	unid CIS	1855	DFSK UNID 85/700	in A Morse in B QSA4 QSA? OK QRV K Old Russian system	'05
4.107,00	----	unid	0017	USB	OM/YL voices	'05
4.109,00	----	unid CIS Military ?	0610	CW	tfc	'08
4.109,00	----	CIS Military	2032	MS-5/4800/DPSK/USB	cipher	'05
4.109,00	A9A	unid	0740	MIL.STD 188-141A	clg BOD90	'07
4.109,00	TRC	Romanian Diplo, ROU ?	0036	MIL.STD 188-141A	clg CAN	'07
4.109,80	----	prob. RUS Air ?	1817	RTTY 50/500		'07
4.110,00	----	Ukranian Government ?	1853	RTTY 50/500	Telecipher Messages in M2/3-shift	'07
4.110,00	----	fishermen	0515	USB	fr d/x	'07
4.110,00	2VK	unid	1845	CW	2WQO de 2VK AS RPT 344 K RPT 344 K QSA4 K	'05
4.111,00	----	unid	1135	CW	221 qsa? - k - de - rrr 735 qsa?	'06
4.112,60	----	Military	0635	STANAG-4285/USB	tfc in cipher	'08
4.114,00	----	unid	2025	USB	yl txing 121/15	'06
4.115,60	IDR	Italian Navy Roma, ITA	1903	USB/STANAG-4285	wkg IHMW minehunter M5559 "Viareggio"	'06
4.115,60	IHMT	Italian Navy minehunter M5555 "Termoli"	0055	USB/STANAG-4285	wkg IDR (ITN Roma) voice coord for data tfc	'07

4.117,00	---	fishermen	0916	USB	ff d/x	'05
4.117,00	RDA97	Russ Warship	2305	CW	RU Clg RMP RMP DE RDA97 QSA IMI K	'05
4.118,50	---	fishermen	0713	USB	ff d/x	'05
4.119,40	---	unid	1940	COQUELET-8 26.67/	2 stations encrypted msgs16.May	'08
4.120,00	---	unid	2045	USB	Arab OM in QSO NET Sailor	'06
4.120,50	---	unid	0140	MIL.STD 188-110 SERIAL MODEM/ISB	Continuous idle	'05
4.122,00	---	Military	1800	NATO-100/100/850	tfc in cipher	'08
4.123,00	3BT	Georgian Military, GEO	1938	MIL.STD 188-141A	clg MB9	'07
4.125,00	---	Alaskan fishing fleet	0443	USB	wx broadcast	'06
4.125,00	---	unid	1700	USB	Weak signal strength	'05
4.125,00	---	unid	1915	FSK 50/170 ACF=7	Idling	'08
4.125,00	---	USCG Kodiak	0550	USB	taking req from boaters for Alaskan waters forecast	'06
4.125,00	KCI94	Nome Alaska	0530	USB	contacted several vessels in the Bering Sea	'05
4.125,00	KCI95	Cold Bay Ak	1930	USB	Marine wx bcast 05	'05
4.125,00	KCI98	King Salmon Alaska	1835	USB	National wx Service station	'05
4.125,00	KFFPM	Tanker Baytown	1910	USB	Contacted Comsta Kodiak	'05
4.125,00	KGTX	Horizon Anchorage	2107	USB	Contacted COMSTA Kodiak	'05
4.125,00	KGTX	Horizon Anchorage	2013	USB	contacted Kodiak uscg; discussed wx conditions	'05
4.125,00	KODIAK	USCG Kodiak AKA	0603	USB	PAN PAN msg Man overboard near Akutan Island	'05
4.125,00	KQX70	Sand Point Alaska	1824	USB	contacted vessel Blue Pin 26/feb	'05
4.125,00	STIMPSON	Alaska State Troopers P/V Stimpson	1915	USB	Position conducting search and rescue operations	'05
4.125,00	WDB7740	vessel Defender	2005	USB	Contacted KWL38 and gave current pos	'05
4.125,00	WFQE	Exxon Tanker Colombia Bay	0133	USB	contacted Comsta Kodiak; Communications check	'05
4.125,00	WNGW	Tustumena	0610	USB	contacted KWL38; gave wx and pos	'05
4.127,00	---	unid Military/Air ?	1710	USB	ukrainian/russian ? short regular transmission	'07
4.130,00	---	Venezuelan Navy, VEN	0018	MIL.STD 188-141A	to 21B	'05
4.133,00	---	unid Russian Air Defence?	1822	CW		'06
4.134,50	---	fishermen	2017	USB	ff d/x	'05
4.136,00	---	prob. 4XZ Israelian Navy Haifa, ISR	1642	USB/SERIAL TONE HYBRID MODEM	paralell on 3162kHz	'08
4.137,00	JPQ	Lithuanian Navy Klaipeda, LTU	0655	MIL.STD 188-141A	clg FRA and MLK	'06
4.137,00	M2S	LTU Minerhunter "Sudivis" M-52	1754	MIL.STD 188-141A	to JAA JPQ	'05
4.138,00	A20	unid	2052	MIL.STD 188-141A	clg S10	'05
4.138,00	E01	unid	2023	MIL.STD 188-141A	clg A20 several times	'05
4.138,00	S10	unid	2033	MIL.STD 188-141A	clg A20 until 0245	'05
4.140,00	---	fishermen	0855	USB	fr d/x	'08
4.141,00	---	unid	1828	CW	GRN	'08
4.141,70	---	unid NATO Station	1815	NATO-75 75/850	Continuous cipher. Bearing 195/15° possibly Spain.	'08
4.142,00	---	unid ship	2214	USB	encrypted voice syst with bips	'04
4.143,00	---	fishermen	2007	USB	ff d/x	'04
4.145,00	---	CIS CIS Air Force	1902	CW	COUNTING STRING	'08
4.146,00	---	fishermen	0826	USB	ff about gale	'05
4.149,00	J8AZ3	USB M/V Tropic Tide J8AZ3	1420	USB	St Vincent by Tropical Shipping Riviera Beach FL USA	'06
4.149,00	nato	exercices ?	0507	USB	eng po	'06
4.149,00	UKG	Kertch Radio, UKR	1833	USB	robot voice reading wx and nav wngs in EE	'06
4.149,00	URK	Kertch Radio, UKR	2250	USB	Coastal wrns	'07
4.149,00	WPE	Jacksonville Crowley Maritime	0619	USB	wkg "WBN 6510" Tug Sentinel for ops rpt	'07
4.150,00	---	unid	2035	USB	Russian or Ukrainian fishermen duplex	'06
4.150,70	---	unid	1953	REVS 45/950	REA4 ?	'05
4.152,20	---	unid	0252	STANAG-4285	No sync	'05
4.152,30	DRAH	FGS Brandenburg F215	1356	USB/STANAG-4285	qso dhj59 zbo one priority - no synch	'05
4.152,40	ALFA-ALFA	F-219 "Sachsen" Wilhelmshaven, DEU	1615	USB	wkg DHJ59 GNY Wilhelmshaven -0,4kHz	'05
4.152,50	59ER	German Navy Wilhelmshaven, DEU	1200	USB	wkg CL S78 "OZELOT" STANAG-4285	'07
4.152,50	ALFA-QUEBEC	Fregate "BREMEN" Wilhelmshaven, DEU	0515	USB/STANAG-4285	wkg Five-Niner: DHJ59: GNY Wilhelmshaven D	'05
4.152,50	ALFA-X-RAY	"GORCH FOCK" A 60 (MS Mürwik/Kiel)	0800	USB/STANAG-4285	wkg Five-Niner: DHJ59: GNY Wilhelmshaven D	'05
4.152,50	CHARLIE INDIA	DRCI P 6125 S 75 - ZOBEL 7.SG Warnemünde	1340	USB/STANAG-4285	wkg DHJ59: Wilhelmshaven	'06
4.152,50	CHARLIE-ECHO	DRCE P 6121 S 71 - GEPARD 7.SG Warnemünde	1345	USB/STANAG-4285	wkg DHJ59: Wilhelmshaven	'06
4.152,50	DHJ59	German Navy Wilhelmshaven, DEU	1118	USB/STANAG-4285	wkg DRAQ F207 "BREMEN" (4 FG Wilhelmshaven)	'08
4.152,50	DRAA	FGS German Navy Sachsen, DEU	1957	USB	altern with STANAG c DHJ59 Wilhelmshaven	'06
4.152,50	DRAB	FGS Hamburg F220, DEU	1820	USB/STANAG-4285	qso dhj59 qsl yr las	'05
4.152,50	DRAC	FGS Hessen F221, DEU	1747	USB/STANAG-4285	qso with dhj59 zbo1 priorit	'07
4.152,50	DRAI	FGS Schleswig-Holstein F 216, DEU	0647	USB/STANAG-4285	qso dhj5	'05

4.152,50	DRAK	FGS Mecklenburg-Vorp F218, DEU	0749	USB/STANAG-4285	qso dhj59 qsl yr 128	'08
4.152,50	DRAN	FGS "Augsburg" F 213, DEU	0742	USB/STANAG-4285	qso dhj5	'05
4.152,50	DRAO	FGS Lübeck F214, DEU	0631	USB/STANAG-4285	qso dhj5	'08
4.152,50	DRAQ	FGS Bremen F207, DEU	0705	USB/STANAG-4285	qso dhj59 no synch deshalb qsy to mrl59/06 6777,2	'05
4.152,50	DRAV	FGS Karlsruhe F212, DEU	1408	USB/STANAG-4285	qso dhj59	'08
4.152,50	DRAX	FGS Gorch Fock A60, DEU	0632	USB/STANAG-4285	qso dhj59 2 priorit	'08
4.152,50	DRCD	FGS "Kozmoran" S 70, DEU	0849	USB	tfc dhj5	'05
4.152,50	DRCI	FGS Zobel S75, DEU	1834	USB/STANAG-4285	qso dhj59 qsl gru o	'05
4.152,50	DRCL	FGS Ozelot S78 P6128, DEU	0654	USB/STANAG-4285	qso dhj59 qsl my last ? over,drcl zes2 please try again	'08
4.152,50	DRCM	FGS Wiesel S 79, DEU	1820	USB/STANAG-4285	qso dhj59 zbo 1 priority routing indicator rgfpgw	'05
4.152,50	DRCN	FGS Hyäne S80, DEU	1810	USB/STANAG-4285	qso dhj59	'08
4.152,50	DRDB	FGS U32 S182, DEU	1223	USB/STANAG-4285	qso dhj59 qrx for ten min	'07
4.152,50	DRDK	FGS U17 S196, DEU	1807	USB	clg dhj59 n.	'07
4.152,50	DRDL	U18 S197, DEU	1623	USB/STANAG-4285	qso dhj59 zbo one immediate 1634z qsl qr	'05
4.152,50	DRDP	FGS U22, DEU	1820	USB/STANAG-4285	qso dhj59 qsl yr last qr	'05
4.152,50	DRDQ	FGS U23 S172, DEU	1326	USB/STANAG-4285	qso dhj59	'07
4.152,50	DRDW	FGS U29 S178, DEU	1620	USB/STANAG-4285	qso dhj59 qsy von dhj58 4356.50	'06
4.152,50	DRDX	FGS "U30", DEU	2018	USB/STANAG-4285	clg dhj59 for rc then STANAG tf	'05
4.152,50	DREU	FGS Sulzbach-Rosenberg M1062, DEU	1408	USB/STANAG-4285	qso dhj59 1 priority	'07
4.152,50	DREV	FGS Bad Bevensen M1063, DEU	1416	USB/STANAG-4285	qso dhj59	'08
4.152,50	DREW	FGS Grömitz M1064, DEU	0802	USB	clg dhj59 for rc	'07
4.152,50	DREX	FGS Dillingen M1065, DEU	0901	USB/STANAG-4285	qso Military ? t dhj59 - qsl yr 0162 - 1225z zbz nil	'08
4.152,50	DREY	FGS Frankenthal M1066, DEU	1616	USB	clg dhj59 for r.	'05
4.152,50	DREZ	FGS minehunter "Bad Rappenau", DEU	1923	USB/STANAG-4285	ger/c DHJ59 navy willhemshaven 18	'07
4.152,50	DRFA	FGS Datteln M1068, DEU	1619	USB/STANAG-4285	qso dhj59 zbo one priority	'07
4.152,50	DRFD	FGS Weilheim M1059, DEU	0752	USB/STANAG-4285	qso dhj59	'08
4.152,50	DRFJ	FGS Passau M1096, DEU	1450	USB/STANAG-4285	qso with dhj5	'06
4.152,50	DRFN	FGS Ens Dorf M1094, DEU	2107	USB/STANAG-4285	tfc to dhj59	'07
4.152,50	DRFO	Minehunter M1092 "HAMELN" Olpenitz, DEU	0847	USB	wkg Five-Niner DHJ59 QSY to MRL59/06	'05
4.152,50	DRFP	FGS Herten M1099, DEU	1804	USB/STANAG-4285	qso dhj59	'07
4.152,50	DRFS	FGS Überherrn, DEU	0842	USB	clg dhj5	'06
4.152,50	DRFT	FGS Pegnitz M1090, DEU	1418	USB/STANAG-4285	qso dhj5	'06
4.152,50	DRFU	FGS Kulmbach M1091, DEU	0732	USB/STANAG-4285	qso dhj59	'08
4.152,50	DRHG	FGS Oker A53, DEU	1300	USB/STANAG-4285	qso dhj59 qsl yr 0168	'07
4.152,50	DRLA	FGS Planet A1415, DEU	0812	USB	qso dhj59 also 0903z	'06
4.152,50	ECHO-YANKEE	Minehunter "FRANKENTHAL" Olpenitz, DEU	0522	USB/STANAG-4285	wkg Five-Niner: DHJ59: GNY Wilhelmshaven D	'05
4.152,50	FOXTROT-CHARLIE	DRFC M 1058 FULDA 1.MG Olpenitz, DEU	1335	USB/STANAG-4285	wkg DHJ59: Wilhelmshaven	'06
4.152,60	ALFA-QUEBEC	DRAQ: Fregate "BREMEN" F 207, DEU	0718	USB/ STANAG-4285	wkg Five-Niner: DHJ59: GNY Wilhelmshaven D	'05
4.152,60	DRDK	U17 S 196, DEU	2030	USB/STANAG-4285	qso dhj59	'05
4.153,00	---	Japan	1053	USB	The Slot Machine	'06
4.153,00	TAH	Istanbul Radio, TUR	1544	FEC	wx tur and ee	'07
4.153,50	---	unid dig Japanese	1024	PSK	Slot Machine very weak on	'06
4.153,50	DREV	FGS Bad Bevensen M1063, DEU	1005	USB/STANAG-4285	qso dhj59 - qsl yr 0166	'07
4.154,00	---	XSL	1850	PSK	Slot Machine	'05
4.155,00	---	AIR ?	1902	USB	cze?	'07
4.156,50	---	unid Ship clg GW Capetown	1615	GW FACTOR		'05
4.156,50	DRMF	Schwedeneck Y860, DEU	1709	USB/STANAG-4285	qso dhj59 zbo one priority qsl qr	'05
4.156,50	ZSC	GW Capetown	0810	GW FACTOR 200/200	idling //8017,50	'07
4.158,00	---	unid	1110	FSK 75/850	Possible US Navy Pearl Harbor	'05
4.158,00	---	NATO Air Defence Data System	1939	LINK-11/2250/ISB 2-CH TADIL-A		'06
4.159,00	---	unid	1713	Link-11	signal on	'06
4.159,00	4XZ	Israel Navy, ISR	0018	CW	CQ de 4XZ	'05
4.159,70	---	unid	1127	STANAG-4285/600bps		'06
4.160,00	---	unid	1130	FSK 50/850 ACF=0		'06
4.161,00	---	unid	2132	RTTY/75/850/STANAG-4481	Duch navy ?	'05
4.161,00	PBC	DN Goeree Island, NLD	0147	STANAG-4481/KG84	cipher	'05
4.161,50	---	unid NATO/RN Bcast/Ship Chan	1713	NATO-75 75/850	Short intermittent msgs in KG84 cipher	'05
4.162,00	DJ6031	"WINDSCAPE"	2020	FACTOR-I/Ham 100/	Calling DF8778 "LANITA" Op chat	'05
4.162,50	RCV	RN Black Sea Fleet HQ Sevastopol, UKR	0208	CW	simplex wkg RMGZ	'07
4.163,30	---	Military	2325	STANAG-4285/USB	tfc in cipher	'08
4.163,50	---	unid beacon with brief distress signal!	1510	CW	"SOS SOS SOS DE 10sec dash 10sec dash"	'05

4.165,00	---	unid	0137	MIL.STD 188-110A	serial modem 1200 short int.	'05
4.165,00	---	nato forces?	0555	NATO-75 ?		'05
4.165,00	CIO2	Mossad Tel Aviv, ISR	1617	USB	GRA ING	'07
4.166,00	XSS	'XSS Net'	1946	MIL.STD 188-141A snd		'06
4.166,30	XDU	unid XSS net	1408	MIL.STD 188-141A	clg XSS	'06
4.166,30	XHK	unid	1344	MIL.STD 188-141A	clg XDV	'06
4.166,30	XJF	unid XSS net	1414	MIL.STD 188-141A	clg XSS	'06
4.166,30	XKA	unid	1240	MIL.STD 188-141A	clg XSS	'06
4.166,30	XKB	unid XSS net	1509	MIL.STD 188-141A	clg XSS	'06
4.166,30	XKW	unid	1425	MIL.STD 188-141A	clg XSS	'08
4.166,30	XSS	unid 'XSS' Net	2238	MIL.STD 188-141A snd		'06
4.168,00	---	NATO Air Defence	1743	LINK-11/2250/ISB 2 CH TADIL-A		'07
4.168,00	---	prob. Italian Guardia di Finanzia, ITA	1916	R&S PSK		'07
4.168,50	1052	XGZ DHFCS Tascomm net	0017	MIL.STD 188-141A snd	to XSS	'07
4.168,50	XFJ	UK-DHFCS NCS	0843	MIL.STD 188-141A	clg XSS	'07
4.168,50	XFT	UK-DHFCS	0834	MIL.STD 188-141A	clg XSS NCS Forest Moor UK	'07
4.168,50	XFW	UK-DHFCS	0858	MIL.STD 188-141A	clg XSS NCS Forest Moor UK	'07
4.168,50	XGG	UK-DHFCS	1058	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor	'08
4.168,50	XGP	XSS net unid	1543	MIL.STD 188-141A	clg XSS	'07
4.168,50	XGV	UK-DHFCS	1023	MIL.STD 188-141A	clg XSS NCS Forest Moor	'08
4.168,50	XGZ	UK-DHFCS	1046	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
4.168,50	XHK	UK-DHFCS	1119	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor	'07
4.168,50	XHN	UK-DHFCS	1013	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
4.168,50	XHZ	unid UK DHFCS Stn	1113	MIL.STD 188-141A	XSS TIS XHZ on 4168,50 and 3226 kHz, respond on 6873,50	'07
4.168,50	XJE	UK-DHFCS	1100	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor	'08
4.168,50	XKD	UK-DHFCS	1542	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
4.168,50	XKP	UK-DHFCS	1359	MIL.STD 188-141A	clg XSS NCS Forest Moor	'08
4.168,50	XKP	UK-DHFCS	0856	MIL.STD 188-141A	clg XSS NCS Forest Moor	'08
4.168,50	XKW	UK-DHFCS	1047	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor	'08
4.168,50	XKY	UK-DHFCS	0917	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor	'07
4.168,50	XSS	UK-DHFCS NCS	1446	MIL.STD 188-141A	clg XFW	'08
4.168,80	FUX	FN Le Port, FRA	0219	RTTY 75/850	FAAA de FUX	'05
4.170,00	---	fishermen	0024	USB	OM Japanese voices	'05
4.170,00	---	NATO Air Defence Modem	2239	LINK-11/4800/USB/TADIL-A	Tone at f+1800 Hz	'07
4.172,00	---	Military	2230	NATO-100/100/850	tfc in cipher	'08
4.174,00	T1Z	USARMY	2204	MIL.STD 188-141A	snd INCOMPLETE CALL	'08
4.174,00	T2Z147	USARMY	2151	MIL.STD 188-141A snd		'08
4.174,00	T2Z159	USARMY	2218	MIL.STD 188-141A snd		'08
4.174,50	---	unid Fronet Station, SWE	1617	PACTOR-I/Ham 100/		'07
4.175,00	P8K	Papa Osemka Kilo POL Military, POL	0950	USB	wkng UB2 Uniform Bravo Dwojka with 5fg number msg.	'05
4.175,00	UB2	Uniform Brawo Dwojka POL Military, POL	1021	USB	wkng ND7November Delta Siodemkawho	'05
4.176,00	---	Military	1942	NATO-75/75/850	tfc in cipher	'07
4.177,00	---	unid ship to Cumbria Service? YJQV6?	0507	ARQ	sp?	'07
4.179,00	REA4	Rus. Air Force HQ Moscow, RUS	2043	CW Routine sked bcast	REA4	'06
4.180,00	---	fishermen	2033	CRY-2001-2001/USB	Males in conversation	'06
4.181,00	---	unid	1631	CW	slowly repeating "287/00" until 1635 then off	'05
4.181,00	---	E11	1630	USB	fem voice	'07
4.181,50	---	prob. Irish Naval Service	1927	ARQ	F TESTING CAN YOU PLEASE	'08
4.181,70	---	unid	2116	ARQ/100/170	clg {MKCV}	'08
4.186,20	---	unid Military	0603	STANAG-4285/600L/USB	tfc in cipher	'08
4.188,50	SAB	Goteborg, SWE	2053	CW+ARQ	channel free marker and tfc	'06
4.189,50	---	CIS vessel KM Belokonx	1715	RTTY 50/170	Ends tgm in RR 'NIL TKS 73 ROVDESTWOM	'05
4.191,00	---	unid	0032	CW	handkeyed	'05
4.194,50	LFI	Globe Wireless Rogaland, NOR	2035	GLOBEDATA	Idling	'05
4.197,00	---	CIS Military	2323	CW	tfc RUS/GRA	'08
4.197,00	---	unid	1204	USB/CW	Good sig but no decode Chinese?	'06
4.199,00	---	CIS Military	1723	MS-5/4800/DPSK/USB	cipher Off frequency 4199.07 kHz	'05
4.199,00	---	CIS Military	0644	CIS-75/75/250	tfc in cipher	'08
4.199,00	2000	unid	2149	MIL.STD 188-141A/LSB	clg 2050	'08
4.199,00	2050	unid	2149	MIL.STD 188-141A/LSB	clg 2000	'08
4.199,00	3000	unid prob. Carabinieri, ITA	1637	MIL.STD 188-141A	clg 3070	'07

4.199,00	3050	unid	1826	MIL.STD 188-141A/LSB	clg 3000	'08
4.199,00	4000	unid	1939	MIL.STD 188-141A/LSB	clg 4070	'07
4.200,00	---	fishermen	0727	USB	fr d	'07
4.200,50	---	unid	1219	CW	Weak NO decode	'06
4.203,20	---	unid	1902	STANAG-4289/600L/???	Encrypted	'08
4.206,30	JUPITER	unid	1728	ARQ	wkg Baza Petromar Romanian platform to HQRS 4206.29	'05
4.207,00	YQFT	PETROMAR Offshore Platform	0345	ARQ	Platforma Fixa Centrala de Productie ROU Black Seas	'08
4.207,50	---	unid MMSI 267710000 Slovak Republic	0342	GMDSS	to Lyngby R	'07
4.207,50	---	Unlisted Irish vessel MMSI 250496000	2237	GMDSS	RQs SVO/MRCC Piraeus for a safety test	'05
4.207,50	003669997	USCG Miami FL	0636	DSC	to All ships Undesignated distress relay 14-17S	'06
4.207,50	233492000	MSDM7 M/V Maersk Delano	0831	DSC	UK Container ship to USCG CAMSLANT Test req	'06
4.207,50	3EMN6	Thorunn (PAN)	0020	DSC	Safety RQ to Lyngby Radio/OXZ	'07
4.207,50	538002462	V7IW9 M/T Chem Leo	0920	DSC	Oil Tanker to USCG CAMSLANT Test Request	'06
4.207,50	622121111	M/V Edco (Bulk carrier)	1857	GMDSS	with pos rpt for Madrid MRCC	'06
4.207,50	9HDZ7	Powstaniec Styczniowy (MLT)	2030	GMDSS	RQs Lyngby Radio/OXZ for safety test OXZ BQs	'05
4.207,50	A86W7	NS Consul (LBR)	0138	GMDSS	to Olympia R, GRC	'07
4.207,50	A87T4	Maaersk Jakarta (LBR)	0109	GMDSS	to Lyngby R	'07
4.207,50	EAUU	Rio Orxas (ESP)	2103	GMDSS	RQs Spanish Ship Playa de Arneles/EAXT 5253 kHz	'05
4.207,50	ELYP7	Luise Oldendorff (LBR)	0209	GMDSS	to Madrid R	'07
4.207,50	H9ZN	Magnate (PNR)	2206	GMDSS	to Lyngby R	'07
4.207,50	IBSS	Jolly Amaranto (ITA)	2105	GMDSS	RQs Lyngby Radio/OXZ for safety test OXZ BQs	'05
4.207,50	LZDD	Liliana Dimitrova (BUL)	2142	GMDSS	to Las Palmas CNR	'07
4.207,50	LZW	Warna Radio, BUL	1825	GMDSS	Preliminary call to all ships for FEC Weather/MIB bcst	'05
4.207,50	MDKG9	Maersk Rye (GBR)	0218	GMDSS	to Olympia R, GRC 11	'07
4.207,50	MFAU5	Zim Pusan (GBR)	0132	GMDSS	to USCG Portsmouth USA	'07
4.207,50	NMG	USCG COMMSTA New orleans LA, USA	2344	DSC	test safety ACK to 236384000 Gibraltar flagged vessel	'07
4.207,50	OIXV	Bravo (FIN)	2119	GMDSS	RQs Lyngby Radio/OXZ for safety test	'05
4.207,50	OJHS	BIRKA Express (FIN)	2146	GMDSS	to OJHU-Birka Trader	'07
4.207,50	OXKO2	Olivia Maersk (DNK)	0112	GMDSS	to Dover CG	'07
4.207,50	OXZ	Lyngby Radio, DNK	0513	GMDSS	to 2FOP3-Blazing River PNR	'07
4.207,50	P3DV8	Monneron (CYP)	0016	GMDSS	to Lyngby R 11	'07
4.207,50	PFOH	Ship Levantgragt	2328	DSC 100/E/170	Safety/test call to Lyngby	'07
4.207,50	S6CD5	Double Fortune (SGP)	1912	GMDSS	RQs MRCC Dublin for a safety test	'05
4.207,50	SVO	Olympia Radio, GRC	0408	DSC 100/E/170	Acknowledging test call fm British Endurance/ZIXM8	'07
4.207,50	SXPR	Aegean Angelo (GRC)	2224	GMDSS	to 9HXR5-TK London MLT	'07
4.207,50	TAH	Istanbul Radio, TUR	0326	GMDSS	to P3VZ9-CSCL Europe CYP	'07
4.207,50	UALK	Amour-2512 (RUS)	2310	GMDSS	to Lyngby R 10	'07
4.207,50	UAYP	Leonid Ivanov (RUS)	2259	GMDSS	RQs unid Russian ship 4316 kHz 17	'04
4.207,50	UDGZ	Nadym (RUS)	0243	GMDSS	to Olympia R, GRC	'07
4.207,50	UGMN	Ship Koulonga (RUS)	1807	GMDSS	RQs Fortuna/UFHH 2258 kHz UFHH BQs	'05
4.207,50	UHBI	Karel (RUS)	2303	DSC	Safety RQ to Lyngby Radio/OXZ	'07
4.207,50	UIAH	Nikolai Repnikov (RUS)	1909	GMDSS	RQs Boris Syromyatnikov for a simplex telephone call	'05
4.207,50	UUBO	Ship Dmitri Kantemir (UKR)	1739	GMDSS	RQs Lyngby Radio/OXZ Category Safety	'05
4.207,50	V7DS8	CMA CGM Azteca (MHL)	0027	GMDSS	to Lyngby R	'07
4.207,50	V7EQ2	SHIP SKS SENNE	0351	DSC 100/E/170	Test call to MRCC Miami/Norfolk	'07
4.207,50	VQFR7	SHIP IRON PRINCE	0423	DSC 100/E/170	Test call to Tema	'07
4.207,50	VRCJ2	Nord Rio (HRG)	0319	GMDSS	to unid 318928000	'07
4.207,50	VRWP2	SHIP FEDERAL HUNTER	0633	DSC 100/E/170	Test Call to Miami/Norfolk	'07
4.207,50	XSG	MRCC Shanghai/MRCC (CHN)	1815	DSC	BQs in reply to safety test from Cherokee Princess	'06
4.207,50	ZDHZ9	Bremer Elena (GIB)	2317	GMDSS	to Lyngby R	'07
4.207,50	ZNFV8	SHIP MORITZ SCHULTZ	0820	DSC 100/E/170	Test call to Lyngby	'07
4.209,00	IAR	Rome Radio, ITA	1828	CW Broadcast		'05
4.209,00	TAH/"M"	Istanbul Turk Radio, TUR	1421	FEC	msg MA52 MA58 etc	'07
4.209,50	"P"	CHILUNG Taiwanese NAVTEX Station, TWN	1830	FEC 100/E/170	Taiwanese nav wrns in EE	'07
4.209,50	---	Tungkang Radio, TWN	1830	FEC/100/170	RPT NAVTEX	'08
4.209,50	---	Linyuan Radio, TWN	1556	FEC 100/170	Chinese Navtex msgs Identification by a P	'07
4.209,50	---	Haiphong Radio	1944	FEC		'08
4.209,50	IAR	Rome Radio, ITA	1515	FEC	Idling	'05
4.209,50	PA64	unid	2000	FEC	encl ?/bad propagation garbling txt	'08
4.209,50	SUZ	Serapeum Radio, EGY	1547	FEC	ZCZC XA 07 SUZ	'07
4.209,50	TAF	Samsun Radio, TUR	1817	FEC	uos tur wx	'07

4.209,50	TAH	Istanbul Radio, TUR	1810	FEC	Wx	'07
4.209,50	TAH	Istanbul ?	1822	FEC	tur wx	'07
4.209,50	XSW	Kaohsiung Radio, TWN	1830	FEC 100/170	Taiwan NAVTEX msg identification PA##	'05
4.209,50	XSX	Chilung Radio, TWN	2230	FEC 100/170 18	RPT NAVTEX	'07
4.209,50	XSY	Tiwan Radio, TWN	1546	FEC		'06
4.209,50	XVG	Haipong Radio, VTN	2330	FEC 100/170	WX	'08
4.210,00	---	fishermen	0509	USB	Fre d/x	'07
4.210,50	A9M	Manama Radio, BHR	2311	ARQ+CW	w/Morse ID	'05
4.210,50	IAR	Rome Radio, ITA	2000	CW	Chan free marker "IAR"	'07
4.210,50	UFL	Vladivostok Radio, RUS	1300	ARQ+CW	Chan free marker	'06
4.211,00	---	Petrobras, BRA	0340	ARQ	IRS & some PP - "OK copiado ta operando" etc	'06
4.211,70	L2C	PNA Buenos Aires, ARG	0320	FEC	Wx/SS then Wx/EE //8418,30	'05
4.212,00	---	unid	1517	UNID	prob. PANTHER-H Setup 1-second bursts for 5 seconds	'06
4.212,00	IDR	Italian Navy Roma, ITA	1832	RTTY 75/850	CARB Broadcast "IDR3 /IGJ42/IGJ41 /IDR2 /IDR8 /IGJ43"	'05
4.212,00	IDR2	Italian Navy ITA	1725	RTTY 75/800	CWS	'06
4.212,00	UGC	Sankt Peterburg Radio, RUS	2329	ARQ 100/170	CH MARKER 'DE UGC'	'08
4.212,00	XSQ	Guangzhou Radio, CHN	2143	ARQ	w/Morse ID	'06
4.212,30	IDR	Italian Navy Roma, ITA	1730	RTTY 75/850 INV		'08
4.212,30	UBJ	Baku Radio, AZE	1600	CW	CQs then telegrams from Baku to fleet collective 4JIK	'06
4.212,50	XSV	Tianjin Radio, CHN	1027	CW	"XSV" under NOJ	'06
4.212,60	UBJ/UON	Baku Radio, AZE	1620	CW	Wx fcasts for Caspian Sea in RR	'06
4.213,10	IDR4	Italian Navy Roma, ITA	1852	RTTY 75/850	AVAILABILITY	'08
4.213,70	IGJ42	Italian Navy Roma, ITA	0100	RTTY 75/850	ID string	'06
4.214,00	IDR/IGJ	Rome/Augusta Radio, ITA	2145	RTTY 75/850	clg only	'06
4.214,00	IDR2	Italian Navy Roma, ITA	1941	RTTY 75/N/850	CARB "IDR3 /IGJ42 /IGJ41 /IDR2 /IDR8 /IGJ43"	'07
4.214,00	IDR4	Italian Navy Roma, ITA	1856	RTTY 75/850	AVAILABILITY	'08
4.214,00	TAH	Istanbul Radio, TUR	0251	CW	marker	'06
4.214,00	XSV	Tianjin Radio, CHN	1553	ARQ	w/CW ID Marker	'06
4.214,00	ZSC	GW Cape Town Radio, ZAF	2308	DATAPLEX	Marker	'05
4.214,50	CBV	Playa Ancha Radio,	1057	CW	marker	'05
4.215,00	IAR	Rome Radio, ITA	1710	CW		'05
4.215,00	XSG	Shanghai Radio	1059	CW	marker	'05
4.215,00	XSW	Shanghai Radio	2327	ARQ	marker on	'06
4.216,00	SVO2	Olympia Radio, GRC	1944	CW	Chan free marker "de SVO"	'07
4.216,00	TAH	Istanbul Radio, TUR	2023	CW	Chan free marker "TAH"	'07
4.216,00	UIW	Kaliningrad Radio, RUS	1710	ARQ	w/CW marker CH MARK	'06
4.216,50	IAR	Rome Radio, ITA	2014	CW	Chan free marker "IAR"	'07
4.217,00	UIW	Kaliningrad Radio, RUS	0705	CW/ARQ		'07
4.217,20	LZW	Varna Radio, BUL	1737	CW		'08
4.217,30	TAH	Istanbul Radio, TUR	1737	ARQ+CW		'08
4.217,50	LZW	Varna Radio, BUL	1829	GMDSS	Preliminary call for printer broadcast on 4218,50 kHz	'05
4.218,00	TAH	Istanbul Radio, TUR	2130	CW	Chan free marker16	'05
4.218,50	LZW	Varna Radio, BUL	1830	FEC	wx fcast in EE 210	'05
4.218,50	LZW24	Varna Radio, BUL	1851	FEC	Bulg	'08
4.219,00	TAH	Istanbul Radio, TUR	2054	ARQ	w/Morse ID Very sick transmitter	'06
4.219,00	UDB2	Kholmsk Radio, RUS	1049	CW	marker	'05
4.224,00	QV5B	M89 Net	1245	CW	tape with Military ? stake in callup	'06
4.224,60	---	Israeli Intel, ISR	2020	VFT PSK 75/88	single channelACF=112 no decode ,ends at 20:23	'04
4.225,00	IDR/IGJ	Rome/Augusta Naval Radio, ITA	1829	STANAG-4285/600L/5N1	IGJ42/IGJ43/IDR8/IDR3/IGJ41 idling	'06
4.225,00	QV5B	Chinese Military, CHN	1510	CW	7NPE 7NPE 7NPE DEQV5B QV5B	'04
4.225,20	IDR	Italian Navy Roma ITA	1810	STANAG-4285/USB/300L/5N1	SHORT MSGS IN LONG PAUSE	'08
4.225,20	IDR	Italian Navy Roma, ITA	2234	STANAG-4285/USB/600L/5N1	tfc in cipher /N-D	'08
4.225,20	IDR/IGJ	Rome/Agusta Radio, ITA	1812	STANAG-4285/600L/5N1	// 2804,20 6316,2 and 6331,70 kHz	'05
4.225,20	igj42	Italian Navy Augusta, ITA	1317	STANAG-4285/600L/5n1	IDR2 X IGJ42 X IGJ43X IDR4 X IDR3 X IGJ44 X	'06
4.226,00	A5F	unid	0530	MIL.STD 188-141A snd		'06
4.226,00	NIH	unid	0820	MIL.STD 188-141A		'06
4.226,10	CBV	Playa Ancha Radio	1056	USB	SS Time signal announce	'05
4.226,50	AAC	unid	1815	MIL.STD 188-141A snd		'07
4.226,50	XFW	unid XSS net	1419	MIL.STD 188-141A	clg XSS	'06
4.226,50	XFY	unid	0817	MIL.STD 188-141A	clg XSS	'07
4.226,50	XKD	unid XSS Net	1510	MIL.STD 188-141A	clg XLG	'06

4.226,50	XLG	unid XSS Net	1513	MIL.STD 188-141A	clg XKD	'06
4.226,50	XSS	UK-DHFCS NCA	0925	MIL.STD 188-141A snd		'06
4.226,70	LOL	Argentinian Navy Buenos Aires, ARG	0243	RTTY 75/170	5LG	'05
4.228,00	CBV	Playa Ancha Radio	0057	USB	Time Signal and time announce in Spanish	'05
4.228,00	UIW	Kaliningrad Radio, RUS	1500	RTTY 50/R/170	Marker "Rys qss 4228/8454/12877.5/16927"	'04
4.228,20	---	NATO Enciphered System	1822	STANAG-4285/2400/USB	600 Bauds Long interleave Poor synch	'05
4.228,20	PBC	Dutch Navy Goeree, NLD	2352	STANAG-4285/USB	tfc in cipher	'08
4.231,00	---	unid Japanese Gov, JAP	1040	UNID	Telem.DataLink Tones 840/1160/1320/1480/1640/1800/1960	'05
4.231,00	4XZ	Israeli Navy Haifa, ISR	2100	CW	Traffic	'05
4.231,00	SJS	Georgian Military, GEO	0231	MIL.STD 188-141A	to MB9	'07
4.232,00	FUF/RFLIE	French Navy Fort de France, MRT	2138	RTTY 75/850/N	RY-mkr to FAA	'04
4.235,00	NMF	USCG Boston MA, USA	0442	FAX	Ice-patrol chart under callsign NIK //6340,50 kHz	'08
4.236,00	FRT3100	unid	2233	CW	FRT 3100 repeating J55S + FRT3100	'06
4.236,70	MGJ	Royal Navy Faslane, GBR	2315	RTTY 75/850	CARBs	'05
4.237,00	T1CAB	US Army 1st Combat Aviation Brigade, IRQ	0153	MIL.STD 188-141A snd		'07
4.237,00	T1Z1	US Army 1-1 Attack Battalion Aviation, IRQ	0200	MIL.STD 188-141A snd	"Gunfighters"	'07
4.237,00	T2Z1	US Army 2-1 Gen. Supp. Batt. Aviation, IRQ	0348	MIL.STD 188-141A snd	"Fighting Eagles"	'07
4.237,00	T2Z3	US Army 2-3 Aviation, IRQ	0406	MIL.STD 188-141A snd	"Knighthawks"	'07
4.237,00	T3CAB	US Army 3rd Combat Aviation Brigade, IRQ	0411	MIL.STD 188-141A snd		'07
4.237,00	T4Z6	Us-Mil 4th Bn 6th Cavalry Regt, IRQ	2109	MIL.STD 188-141A snd		'08
4.237,00	VTP4	Indian Navy Vishakhapatnam, IND	2038	CW	4FGs msgs to warships	'05
4.237,90	KIRUCHA26	unid Polish Military	0709	USB	YL went qrt before tuned	'06
4.238,00	AG2	unid prob. EST	2009	MIL.STD 188-141A	clg XEF	'04
4.238,00	VTP4	Indian Navy Vishakhapatnam, IND	0105	CW	4FG	'08
4.239,00	NELC	unid	0113	CW	Call repeat many times at 0120 off air 22	'06
4.239,50	XAC	UK-DHFCS	1039	MIL.STD 188-141A	clg XDA	'08
4.239,50	XAP	UK-DHFCS	0853	MIL.STD 188-141A	clg XSS UK-DHFCS NCS Forest Moor	'07
4.239,50	XDA	UK-DHFCS	1039	MIL.STD 188-141A	clg XAC	'08
4.239,50	XFW	unid XSS net	1341	MIL.STD 188-141A	clg XSS	'08
4.239,50	XFY	UK-DHFCS	0926	MIL.STD 188-141A	clg XSS NCS Forest Moor	'08
4.239,50	XGG	UK-DHFCS	1339	MIL.STD 188-141A	clg XSS	'08
4.239,50	XGP	UK-DHFCS	2029	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
4.239,50	XGV	UK-DHFCS	1007	MIL.STD 188-141A	clg XSS NCS Forest Moor	'08
4.239,50	XGZ	UK DHFCS	1016	MIL.STD 188-141A	Inskip or Gibraltar	'07
4.239,50	XHZ	UK-DHFCS	0843	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
4.239,50	XJK	Unlocated DHFCS Stn	2114	MIL.STD 188-141A	Exchanges 3 short bursts with XSS after ALE callup	'07
4.239,50	XKD	UK-DHFCS	1037	MIL.STD 188-141A	clg XSS NCS Forest Moor	'07
4.239,50	XKW	UK-DHFCS	0912	MIL.STD 188-141A	clg XSS NCS Forest Moor UK	'07
4.239,50	XSS	UK DHFCS NCS Forest Moor, GBR	1916	MIL.STD 188-141A snd	4168,50 4239,5 6251 and 6146,50 kHz	'07
4.240,00	4XZ	Israel Navy Haifa, ISR	1710	CW		'05
4.242,00	---	CIS Military	2102	RUS-75/75/250 08	tfc in cipher	'08
4.243,00	---	fishermen	1927	CRY-2001/USB	analogue voice scrambler Male voices	'05
4.243,00	---	CIS Military	2238	RUS-75/75/250 01	tfc in cipher	'08
4.244,00	DAO	Global Link Network Node Kiel Radio, DEU	2100	FACTOR-II 100/200	Global Link Network Traffic List	'05
4.244,00	DAO24	Global Link Network Node Kiel Radio, DEU	1908	FACTOR-X	channel-free idles only	'08
4.244,00	DAO4	GLN Kiel/Ruegen, DEU	2355	FACTOR-III	tfc in cipher /CH MARKER	'08
4.244,00	DAO4A	Global Link Network Stn Kiel, DEU	2118	FACTOR-3	Idles with Morse ID	'05
4.246,50	5SI1	CIS Military	2121	CW	Comms check with F E8HA and others Military ? ssed	'06
4.247,00	MGJ	RN Secure Bcast System, GBR	1725	RTTY/100/800	CARBs	'06
4.249,00	HEB01	Bern Radio, SUI	1730	CW		'05
4.249,00	HEB24	Global link Network/Bern Radio, SUI	2200	FACTOR-II		'05
4.250,00	4111	unid	2159	MIL.STD 188-141A snd		'06
4.250,00	411413	unid	0614	MIL.STD 188-141A	Pos Fed Gvt Nigeria 411411 TWS 411413 // 6801,00	'07
4.250,50	---	Bern Radio, SUI	2142	FACTOR-II 100/	modem cmd: "+ sys quit rest AT +++ATQ0V1H0"	'07
4.250,50	HEB01	Global link Network Bern, SUI	2000	FACTOR-II		'08
4.250,50	HEB24	Global link Network Berne, SUI	2303	FACTOR-III		'05
4.250,70	2DM	unid	1842	MIL.STD 188-141A	Idling with Morse ID CQ de HEB24	'05
4.251,00	PORTSUDAN	UNJLC PORT SUDAN, SDN	2140	MIL.STD 188-141A	clg MODIAFALE	'05
4.252,50	---	fishermen	0718	USB	TWS	'06
4.253,20	---	unid NATO	0035	STANAG-4285 600	fr d/x/qrn STANAG	'08
4.254,20	---	unid Military	1857	STANAG-4285/USB	Long int ?	'05
					tfc in cipher	'08

4.258,00	XSG	unid Shanghai, PRC	1230	CW	"CQ de XSG" etc	'06
4.259,00	SAB	Goeteborg GW Radio, SWE	2240	GW-FACTOR	tfc in cipher /CH MARKER	'08
4.259,00	XSG	Shanghai Radio, PRC	1950	CW	CQ idler In QRM from Globe Göteborg	'05
4.260,30	HEC	Bern Radio, SUI	1820	GW-OFDM	Channel Free Marker Hex-Id CC 20	'08
4.260,90	CFH	Naval Radio Halifax N.S, CAN	0127	FAX 120/576/RTTY 75/850	WX	'06
4.261,20	---	unid	2025	STANAG-4285/600/L/5N1 ITA-5	IBR6I0/IBR1I 0/IBR2I0IBR3I0IBR4I0//	'08
4.261,20	EBA?	Spanish Navy Madrid, ESP ?	2028	STANAG-4285/600L/5N11	In an individual msg mode QRM from LFI on 4262	'08
4.262,00	LFI	Globe Wireless Rogaland, NOR	2233	GLOBEDATE	Idlers	'05
4.262,00	LFI	Rogoland GW Radio, NOR	0648	GW-FACTOR	tfc in cipher /CH MARKER	'08
4.263,20	---	unid Military	1855	STANAG-4285/USB	tfc in cipher	'08
4.267,90	VTG4	Indian Naval Radio Mumbai, IDN	2316	CW	VTG4/6/7 marker	'05
4.270,00	CIO2	Mossad Tel Aviv, ISR	1809	USB	End of 5LG msg Then further 35-group msg	'06
4.270,00	FUJ	French Navy Noumea, NCL	1155	RTTY 150/850	Testing	'05
4.270,00	PCD	Mossad Tel Aviv, ISR	1828	USB/AM	msg grp 40 (QAFRK)	'08
4.270,00	PCD2	Mossad Tel Aviv, ISR	0031	USB/AM	YL with callup	'05
4.270,50	CFH	Canadian Forces Halifax, CAN	0436	RTTY 75/850	Wx forecasts	'07
4.271,30	CFH	Canadian Forces Halifax, CAN	0157	RTTY 75/850	wx broadcast on	'06
4.271,50	FUX	French Navy Reunion	1718	STANAG-4285		'05
4.273,20	---	prob. Spanish Navy	1416	RTTY 75/850	7-bit ITA2 with classic RYRYRY VMGTCN KG-84	'07
4.274,00	ZSC	GW Capetown Radio, ZAF	1550	GW-FACTOR	In tfc 04	'06
4.275,00	RHO62	Russian Navy	1929	CW	Message for RJD85	'06
4.277,00	---	unid	1126	PSK single tone 2400/3000		'05
4.277,00	---	unid	0030	STANAG-4285		'06
4.277,20	---	unid Military	1852	STANAG-4285/USB	tfc in cipher	'08
4.278,30	PBB	Dutch Navy Den Helder, NLD	1248	RTTY 75/850		'08
4.280,00	DEV	unid	1510	CW	"CQ DE DEV UP196 EE" Germany?	'05
4.280,00	PBB	Dutch Navy Den Helder, NLD	1519	RTTY 75/850/R	w/CARB "02A 04B 06A 08A 08B 12A 16A PBB"	'08
4.280,00	PBC	Dutch Navy Goeree island, NLD	0914	RTTY 75/N/850	CARB	'07
4.281,20	---	unid	0042	STANAG-4285 600L ?		'05
4.281,70	CWM	Montevideo Radio	1142	RTTY 100/170	Warnings to marines	'05
4.283,00	XSV	Tianjin Radio, CHN	2135	CW	CQ-mkr	'04
4.285,00	UM22	Algerian MOI/Military, DZA	2155	MIL.STD 188-141A	clg XT23	'06
4.285,00	XT23	Algerian MOI/Military, DZA	2155	MIL.STD 188-141A	clg UM22	'06
4.286,00	---	unid	2230	CW	VVV/tfc	'07
4.288,60	FUG	FN Naviter Sud Saissac	1825	STANAG-4285	No parameters No decode	'08
4.292,00	---	unid	0407	FSK 50/850 ACF=0		'06
4.292,00	165	unid	1257	MIL-STD 188/141A	165 clg 968 unidentified user possibly China.	'07
4.293,00	FUE	French Navy Brest, FRA	2115	RTTY 75/850	Series of msgs 23	'05
4.293,50	XSS	unid	1236	MIL.STD 188-141A snd		'08
4.294,00	FUE	French Navy Brest, FRA	0623	RTTY 75/850		'06
4.294,50	Uind	fishermen	1049	FSK 8 tones	Japanese fisheries	'05
4.294,70	FUE	French Navy Brest, FRA	0609	RTTY 75/850	RY/ID Testing	'06
4.298,00	VTM11	unid Indian Navy station, IND	1710	CW	vvv-mkr	'04
4.299,20	---	unid Military/NATO	1849	STANAG-4285/USB	tfc in cipher	'08
4.300,00	---	unid "Yosemite Sam"	0410	DSB	"Varmint I'm gonna blow ya to smithereens" every 40 sec	'05
4.300,50	---	Russian Military	0419	BEE 36-250		'07
4.301,00	---	unid	1710	ARQ-E3 100/250 RC=8 ACF=29		'05
4.305,70	---	CIS Military	2136	MS-5/4800/USB	Setup tones with Morse steerage offset is unusual	'07
4.306,00	---	Military	0651	STANAG-4285/USB	tfc in cipher	'08
4.308,50	HZY	Ras Tanurah Radio, ARS	1801	CW	CQ-mkr fr tfc-1st	'04
4.309,00	IDR4	Rome Radio, ITA	2042	CW	VVV-marker	'05
4.310,20	---	unid Military	1847	STANAG-4285/USB	tfc in cipher	'08
4.311,00	---	unid	1400	RTTY 75/850		'06
4.315,00	---	unid Military	1845	STANAG-4285/USB	tfc in cipher	'08
4.316,00	NMG	USCG New Orleans, USA	0350	USB	Forecasts in english//8502,0 khz	'06
4.317,90	---	Moscow Meteo, RUS	1615	FAX 120/576	analysis 500 MB	'05
4.317,90	NMG	National Hurricane Center New Orleans, USA	0230	FAX 120/576	High Seas Charts Very strong signal	'08
4.319,00	---	AFN Diego Garcia	1828	USB	With a basketball game	'05
4.319,00	NPN	US Navy AFTN FEEDER Barrigada, GUM	2106	USB	PX	'08
4.320,30	MGJ	RN Faslane, GBR	1447	USB/VFT 3 CH		'05
4.322,00	GYA	Royal Navy Northwood/Whitehall, GBR	0515	RTTY 75/850	carb	'08

4.322,00	MGJ	Royal Navy Faslane/ Forest Moor, GBR	2000	RTTY 75/850			'06
4.325,00	---	French Navy ?	1934	UNID 50/850	Bearing 170° West France ?		'07
4.325,00	AQP3	Pakistan Navy Karachi, PAK ?	0655	CW			'07
4.325,50	---	unid	1550	RTTY /75/850	Coded wx broadcast S5 to S7 here		'06
4.325,80	"R"	MX Cluster Beacon Russian Army Izhevsk, RUS	1800	CW	marker		'08
4.327,50	---	fishermen	0609	USB	sp d		'07
4.329,50	XSS	UK-DHFCS NCS	1835	MIL.STD 188-141A snd			'07
4.330,00	4XZ	Israelian Navy Haifa, ISR	2220	CW	VVV DE/GRA '=VVV DE 4XZ 4XZ = = VRKRFW QTC 1 NR 43 = ='		'08
4.331,70	---	fishermen	0610	USB	fre d		'07
4.332,08	MGJ	RN Secure Bcast Control	1921	RTTY 75/340	CARBs channel in VFT		'06
4.333,00	FUX	FN Le Port	0115	STANAG-4285 300L/5N1/RTTY	"FAAA de FUX"		'05
4.334,00	FUX	FN Le Port	0045	RTTY 75/850	FAA FAA de FUX FUX FUX		'05
4.336,50	VTH4/5	Mumbai, IND	0933	RTTY 850/50	mostly idle no ID seen		'06
4.337,00	---	unid	1100	FSK 50/350 ACF 8	Possible Japanese Military		'05
4.337,00	RBSL	Indian Navy Mumbai, IND	2058	RTTY 50/850	RY+QRA 2143 GRN4		'07
4.338,00	---	unid	1130	RTTY 50/850			'05
4.338,00	FUE	French Navy Brest, FRA	0655	FSK 50/850	tfc in cipher		'08
4.338,00	UTT1	unid ?	0955	RTTY 50/850	Test ry - rysg essai utt 1 essai utt 1		'07
4.339,10	---	unid	2136	RTTY 50/850			'05
4.340,00	---	unid	1851	USB	TFC RUS SIMPLEX		'08
4.340,00	205	unid	0319	MIL.STD 188-141A	TO 762		'06
4.340,00	225	unid	0311	MIL.STD 188-141A	TO 762 fwd by 39-tone parallel modem and female voice		'06
4.340,00	344	unid	0316	MIL.STD 188-141A	TO 762		'06
4.340,00	34F	unid	0332	MIL.STD 188-141A	TO 762		'06
4.340,00	639	unid	0320	MIL.STD 188-141A	TO 762		'06
4.340,00	762	unid	2114	MIL.STD 188-141A	clg "639" 2114 clg "00"		'07
4.340,00	USO5	Izmail Radio ,UKR	1900	CW	clg 4KI '4KI 4KI DE USO5 USO5 4340 6391 8586 12965'		'07
4.341,00	---	unid data signal	0422	UNID			'06
4.341,20	---	unid	0607	FSK 300/200	tfc in cipher		'08
4.342,00	XSG	Shanghai or Guangzhou Radio	1358	CW	Tfc xsg tfc list for cs = 7t3 = nil nil = qrxj		'06
4.342,10	---	unid station	2054	F1B 300/200 burst mode ACF=17	no decode in parallel with 6444,10		'04
4.342,20	---	unid	2305	CIS300/300.1/170 ACF=17	Mode ID tentative Appears to be // 6444.15 kHz by ear		'07
4.345,00	---	CIS Military	1934	MS-5/1440/USB	In cipher tfc		'08
4.345,30	SAB	Göteborg Radio, SWE	0854	GW-OFDM	Channel Free Marker Hex-Id		'08
4.345,70	---	unid	2353	STANAG-4285 600L ?	tfc in cipher		'08
4.346,00	---	USCG Pt Reyes CA, USA	0826	FAX WX	Chart		'06
4.346,00	---	South African Navy, ZAF	1826	USB/MFSK32 54/390	inlines		'07
4.346,00	---	unid	0327	STANAG-4285	Very strong signal at my QTH prob. Canforce.26		'07
4.346,00	CWA	Cerrito Radio, URY	0040	CW	Wx and MSI in Spanish @ 20 WPM		'07
4.347,00	SAB	Goeteborg GW Radio, SWE	1835	GW-PACTOR	tfc in cipher /CH MARKER		'08
4.347,20	---	unid	0358	STANAG-4285 ACF=3D300L ?			'05
4.348,00	BABUR	Pakistan Navy Fritate Babur, PAK	1650	MIL.STD 188-141A	TO NRS		'06
4.348,00	SJAHAN	Pakistan Navy Frigate Shahjuahan D188, PAK	2017	MIL.STD 188-141A	TO NRS		'06
4.350,00	LH1D	unid	1435	CW	5FG net chatter; hand key		'05
4.350,50	IDR	Italian Navy Roma, ITA	1640	STANAG-4285/600L/5N1/USB	TFC KRY 0657 TFC KRY		'08
4.350,60	IDR	Italian Navy Roma, ITA	0657	STANAG-4285/USB	tfc in cipher		'08
4.354,00	ALFA LIMA	unid Algerian, ALG	1837	UNID	wkg "ALGER3"		'08
4.354,00	ALGER3	unid Algerian, ALG	1837	UNID	clg /wkg "AL"		'08
4.354,00	UTQ	Kiev Radio, UKR	0700	USB			'08
4.354,00	VZX	PENTA Radio FIREFLY NSW	2036	USB	wx info' for QLD waters then pos reports		'05
4.356,50	DHJ58	German Navy Gluecksburg, DEU	1212	USB	wkg DP S171 U22 transm S4285		'08
4.356,50	DRAC	FGS Hessen F221, DEU	1218	USB/STANAG-4285	qso with dhj58		'06
4.356,50	DRAQ	FGS Bremen F207, DEU	0849	USB/STANAG-4285	qso dhj58 also 0923z		'06
4.356,50	DRAR	FGS Niedersachsen F208, DEU	1601	USB/STANAG-4285	qso dhj58		'06
4.356,50	DRCI	FGS Zobel S75, DEU	0747	USB/STANAG-4285	qso dhj58 qsl yr 0149 gru ou		'05
4.356,50	DRCL	FGS Ozelot S78 P6128, DEU	0804	USB/STANAG-4285	qso dhj58		'08
4.356,50	DRCM	FGS Wiesel S79 P6129, DEU	1315	USB/STANAG-4285	qso dhj5		'07
4.356,50	DRDA	FGS U31 S181, DEU	1135	USB/STANAG-4285	qso dhj58 - one of the new silent submarines		'06
4.356,50	DRDB	DRDB FGS Sub U32 S182, DEU	1425	USB/STANAG-4285	wkg Dhj 58 with radiocheck and STANAG 4285 Mode		'07
4.356,50	DRDI	FGS U15 S194, DEU	2022	USB/STANAG-4285	qso dhj5		'07
4.356,50	DRDP	FGS U22 S171, DEU	1600	USB/STANAG-4285	qso dhj58		'07

4.356,50	DRDW	FGS U29 S178, DEU	0921	USB/STANAG-4285	qso dhj58	'06
4.356,50	DREW	FGS Grömitz M1064, DEU	0804	USB/STANAG-4285	qso dhj58 zbo one immediate	'07
4.356,50	DRFC	FGS Fulda M1058, DEU	1850	USB/STANAG-4285	qso dhj5	'07
4.356,50	DRFJ	FGS Passau M1096, DEU	1208	USB/STANAG-4285	qso dhj5	'08
4.356,50	DRFO	FGS Hameln M1092, DEU	1520	USB/STANAG-4285	qso dhj58 qsl my 0377 ?	'07
4.356,50	DRFP	FGS Herten M1099, DEU	0829	USB/STANAG-4285	clg dhj59 for rc n.	'06
4.356,50	DRFS	FGS Überherrn M1095, DEU	1635	USB/STANAG-4285	qso dhj58	'07
4.356,50	DRFT	FGS Pegnitz M1090, DEU	0730	USB/STANAG-4285	qso dhj58	'06
4.356,50	DRHM	FGS Werra A514V, DEU	1023	USB/STANAG-4285	qso dhj58	'06
4.356,50	DRKA	FGS Berlin A1411, DEU	1840	USB/STANAG-4285	qso dhj5	'07
4.356,50	DRLA	FGS Planet A1415, DEU	1515	USB/STANAG-4285	qso dhj58	'07
4.356,50	DRME	FGS Kronsart Y861, DEU	0756	USB/STANAG-4285	qso with dhj58 qsl your 0527	'06
4.356,50	DRMF	FGS Schwedeneck Y860, DEU	0927	USB/STANAG-4285	qso dhj5	'07
4.356,50	DRNN	FGS Langeoog A1441, DEU	0822	USB/STANAG-4285	qso with dhj58 qsl your 0847	'06
4.356,60	DELTA-INDIA	S 194 U15 (3 UG Eckernförde), DEU	1803	USB/STANAG-4285	wkg Five-Eight: DHJ58: GNY Gluecks-burg	'05
4.356,60	DHJ58 ?	German Navy, DEU ?	1618	USB	all d/x - end tran	'07
4.356,60	DRAB	FGS Hamburg F220, DEU	1229	USB/STANAG-4285	qso dhj58 zbo one routine 58 qsl yr 2085	'06
4.356,60	DRAI	FGS Schleswig-Holstein F 216, DEU	1828	USB/STANAG-4285	qso dhj58 1842 gru without delivering his tfc	'05
4.356,60	DRCB	FGS Seeadler S68, DEU	0815	USB/STANAG-4285	rdo chk with dhj5	'05
4.356,60	DRCM	FGS Wiesel S79, DEU	0752	USB/STANAG-4285	qso dhj58 zbo 1 priori	'05
4.356,60	DRDB	FGS U32 S182, DEU	1225	USB/STANAG-4285	qso dhj58	'07
4.356,60	DRDC	FGS U33, DEU	0948	USB/STANAG-4285	qso dhj58 zbo 1 priority - qsl your 0018 - gru out 0954	'05
4.356,60	DRDP	FGS U22, DEU	0752	USB/STANAG-4285	clg dhj58 for rc n.	'05
4.356,60	DREV	Minehunter M1063 "Bad Bevensen", DEU	1226	USB/STANAG-4285	wkg DHJ58 (GN Flensburg) voice coord for data	'06
4.356,60	DRFA	FGS Datteln M1068, DEU	1552	USB/STANAG-4285	clg dhj58 n.j	'07
4.356,60	FOXTROTT-JULIET	DRFJ Minehunter "PASSAU" M 1096, DEU	0621	USB/STANAG-4285	wkg Five-Eight: DHJ58: GNY Gluecksburg D	'05
4.356,60	HOTEL-JULIET	DRHJ "ELBE" A 511 7 SG Warnemuende, DEU	0807	USB/STANAG-4285	wkg Five-Eight: DHJ58: GNY Gluecksburg D Synch prob.	'05
4.357,00	CWF	Punta Carreta, URY	0054	USB	SS QSX 4065,00 MAR CH 401 PPw/ship Polarstar	'05
4.357,00	REA4	AF HQ Moscow, RUS	2242	CW	REVS Idling No 2240 sked.// 3530 7959	'06
4.357,00	V5W	Walvis Bay Radio	1635	USB	Securite/Msgs EE First time heard 23/	'05
4.357,50	BP26	Germany's Bundes Wasser Polizei, DEU	0616	MIL.STD 188-141A		'07
4.357,50	W03	prob. WSP3 Pol. Patrolboat W-3=DJ3238, DEU	0856	MIL.STD 188-141A snd		'07
4.357,50	WSPAN	Water Safety Police HQ Oldenburg, DEU	0838	MIL.STD 188-141A sSnd		'07
4.358,50	---	unid	1945	FACTOR-X	sounded like the idle system of Global Link Network	'07
4.358,50	LGL	Telenor's Floroe Radio Station, NOR	1758	FACTOR-X	with Morse ID every 3 min	'07
4.359,50	---	unid	2043	FSK 100/240	Traffic then into reversals	'08
4.360,00	SYN2	Mossad Tel Aviv, ISR	1947	USB/AM	no msg 2012 J3e 07445,00	'05
4.360,00	VLB2	Mossad Tel Aviv, ISR	2245	USB/AM	fem voice: "Victor-Lima-Bravo-Two"	'05
4.362,00	LETIZIA	Guardia di Finanzia G110 Letizia, ITA	1915	MIL.STD 188-141A	clg ROMA GdF CQG Roma I	'08
4.363,00	3AC	Monaco Radio, MCO	1115	USB	french male and eng.fem voice, also heard on 8728kHz	'08
4.363,00	3AC4	Monaco Radio, MCO	0837	USB	eng mediterr sea wx by areas	'08
4.368,00	---	fishermen	1914	USB	fr d/x "grondin..."	'07
4.368,00	B8H	unid	2239	CW	Repeating VVV B8H	'05
4.369,00	---	fishermen	0831	USB	ff d/x back to harbour.	'05
4.369,00	WLO	Mobile Radio, USA	0501	USB	yl atlantic wx	'07
4.371,50	---	CIS Military	2039	81-81 81/240	In cipher tfc	'08
4.372,00	J6E	unid	0430	USB (J6E&6ID in Link-11)	co-ordination net several other players	'05
4.372,00	Q5X	US Navy Vessels	2133	USB	Q5X R3H P9C in Link-11 coordination net	'06
4.372,00	XSS	DHFCS NCS via St Eval Transmitter Kernow	1647	MIL.STD 188-141A snd		'07
4.373,00	---	fishermen	0702	USB	fr d/x "lotte. lorient..."	'07
4.373,60	---	unid	2105	UNID 300/190	Approx 4-sec bursts with approx 1-sec pause	'05
4.374,00	---	CIS Military	1839	81-81 ??/500	Opchat in slow revs No tfc	'08
4.374,00	NSKS	unid	1925	CW	tfc TWO TONES	'08
4.375,00	---	unid, GRC	2108	USB	tfc GRE SIMPLEX	'07
4.375,00	VBA	VOK ? Canadian CG ?	1827	USB	eng yl wx	'08
4.376,40	8PO	Globe Wireless Bridgetown, BRB	2308	GLOBEDATA	In tfc	'05
4.378,00	---	CIS Military	1928	CIS-75 75/250 08	tfc in cipher	'08
4.379,00	REA4	AF HQ Moscow	2116	CW	Idling on OOK revs between skeds/ // 5157 8646	'06
4.380,00	---	Military ?	0711	USB	slavonic om/fast delivery	'08
4.380,50	---	unid	0612	USB	encrypt	'07
4.381,00	---	unid NATO	1948	NATO-75 75/850	Continuous short msgs in KG-84	'08

4.387,00	OSU	Oostende Radio, BEL	1657	USB	flam d	'07
4.390,00	---	Brazzaville Offshore Oil, COG	0540	USB	OM/EE OSV vessel Alstertor Holstentor Milentor	'07
4.390,00	UIW	Kaliningrad ?	0608	USB	rus yl	'07
4.390,00	YLQ	Riga Radio, LVA	1801	USB	Setting up ship/shore telephone call in Russian	'07
4.391,00	---	Russian Air Defence	1953	CW	=992352?0????? etc	'07
4.391,00	---	CIS Air Force	2221	CW	tfc '=990021='	'08
4.394,00	---	E ONDA ZERO FEEDER	1631	USB	PX SPA ????????	'07
4.394,50	---	unid	1147	PSK single tone 2400/3000	strong signal	'05
4.396,00	BS	unid baltops ship	0822	USB	Baltops tfc clg loi no qso	'08
4.396,00	BX	unid baltops ship	1517	USB	Baltops tfc bb this is bravo xray pos rpt	'08
4.396,00	WLO	Mobile Radio, USA	0922	USB	robo voice wx	'06
4.396,20	MASCHINENRAUM	German Army unit	1736	USB	wkg unid German Army units giving freqs for 0430z	'06
4.399,00	SVO	Olympia Radio, GRC	0138	USB	voice marker Greek/EE	'06
4.401,60	---	unid Military	1834	STANAG-4285/USB	tfc in cipher	'08
4.402,50	---	fishermen	1905	CRY-2001/USB	Analogue voice scrambler with synch at f+1500 Hz	'05
4.404,00	---	unid	2109	USB	tfc RUS	'07
4.405,00	TAH	Istanbul Radio, TUR	1809	USB	Turkish and English wx bulletin	'06
4.408,00	---	CIS Military	2128	USB	tfc, RUS SEND MSGS WITH NUMBERS	'08
4.408,00	---	unid	0524	MIL.STD 188-141A	Link Protection clg s into "-110A"	'07
4.408,00	---	Swiss Diplo TIME ?	1710	MIL.STD 188-141A	Lots of calls during night hours not decodable	'06
4.408,00	DI6	unid	0343	MIL.STD 188-141A snd		'06
4.408,00	GBE	Italian Military ?	1800	Military 188-141	"To LHH" over russian people	'05
4.408,00	OXZ	Lyngby Radio, DNK	1507	USB	E/Dan tfc-list	'05
4.408,00	WET	unid	1650	MIL.STD 188-141	followed by short sound of Military 188-110A serial	'05
4.408,00	ZLC	unid	1834	MIL.STD 188-141A snd	maybe a Military ? stake in decoding ?	'06
4.410,00	FAV22 ?	CSTEI Favieres Vernon, FRA	1500	CW	"NR 2Ø J 14 16 Ø2 51 1985 BT ..." 5LGs	'08
4.410,20	---	unid French Forces	2133	ARQ-E3/200/230	Betas	'05
4.410,20	FDY	French Forces	2159	RTTY 50/350	French Air Force Orleans test tape	'05
4.411,00	BYDGOSZCZ	Polish MOI Bydgoszcz, POL	1500	MIL-188-141A snd		'05
4.411,00	FDY	French Forces	0706	CW	crypté	'07
4.411,00	WARSZAWA2	R&S/MOI Net, POL	1936	MIL.STD 188-141A snd	4411 and 4627 kHz	'06
4.411,00	WARSZAWA3	Polish MOI, POL	1935	MIL.STD 188-141A snd		'05
4.412,00	---	fishermen	2041	CRY-2001/USB	Simplex Male and female voices in turn	'08
4.414,00	ECHO FOXTROT	unid	1144	USB	In USS Enterprise CSG Link-11/16 coordination net	'07
4.415,00	---	CIS Military	0506	81-81 81/200	tfc in cipher	'07
4.415,00	BD20	Algerian National Guard, DZA	1944	MIL.STD 188-141A	clg "RM20"	'07
4.415,00	BD21	Algerian Military, DZA	2145	MIL.STD 188-141A	clg YG21	'06
4.415,00	BD22	Algerian National Guard, DZA	1957	MIL.STD 188-141A	clg "RM20"	'07
4.415,00	BD23	Algerian National Guard, DZA	1953	MIL.STD 188-141A	clg "RM20"	'07
4.415,00	BD25	Algerian National Guard, DZA	1957	MIL.STD 188-141A	clg "RM20"	'07
4.415,00	MDN	Ministry of National Defence, ALG	2142	MIL.STD 188-141A	clg UL01/unid	'05
4.415,00	RM20	Algerian National Guard, DZA	1958	MIL.STD 188-110A/USB	tfc in cipher	'07
4.415,00	VC02	Algerian MOI, ALG	2006	MIL.STD 188-141A	clg VC01 who responds	'04
4.415,00	VK20	Algerian National Guard, DZA	1913	MIL.STD 188-141A	clg "RM20"	'07
4.415,00	VK23	Algerian Military, DZA	2008	MIL.STD 188-141A	clg VK20	'08
4.415,00	YG20	Algerian National Guard, DZA	1916	MIL.STD 188-141A	clg "RM20"	'07
4.415,00	YG21	Algerian Military, DZA	2145	MIL.STD 188-141A	clg BD21	'06
4.415,00	ZT21	Algerian National Guard, DZA	2320	MIL.STD 188-141A	clg "RM20"	'07
4.416,00	RJQ88	Russian Navy	1849	CW	RJD99 de RJQ88 QTC QSA? Weak	'06
4.416,00	RMNN	unid Russian Warship	2118	CW	RJS74 RJH45 = 14212 99687 10382 42/93 93255 74112	'05
4.416,00	VCO	CG Sydney, CAN	2350	FAX 120/576	Very end of ice chart; "55W 50W" at bottom	'05
4.417,00	---	The Whale	0634	UNID		'06
4.417,00	---	unid	0015	USB	SS Uruguayan fisheries ? Also on 6644,00 USB	'05
4.417,00	CBV	Playa Ancha Radio, CHL	0240	USB	Traffic shellfish related	'06
4.419,00	---	Russian Military	2117	CW	Message to unid	'06
4.419,00	CRK6	Russian Military	1922	CW	Q4QM de CRK6 QTC K repeating CRK6	'05
4.419,00	MLYF	Russian Military	1926	CW	Message for YPS1 MLYF	'06
4.419,00	PlZ131	US ARMY, IRQ	2247	MIL.STD 188-141A snd	0149,2318,2348	'07
4.419,00	PlZ159	US ARMY, IRQ	2147	MIL.STD 188-141A snd		'07
4.419,00	R23277	US Military Sikorsky UH-60A	1612	MIL.STD 188-141A	Blackhawk Tail 79-23277 clg T1Z131	'07
4.419,00	T1Z131	US Military ?	2052	MIL.STD 188-141A snd	every 30 min 12	'06

4.419,00	T2Z	US Army, IRQ	2236	MIL.STD 188-141A snd			'07
4.419,00	T2Z224	US Military Middle East ?	1918	MIL.STD 188-141A snd	every 30 min 12		'06
4.419,00	T5Z158	US Military 5th Bn 158th Gen. Sup. Avn	2108	MIL.STD 188-141A snd			'08
4.419,00	Z5LT	Russian Military	2121	CW	Message for HOEC		'05
4.420,00	---	CIS Military	2241	MS-5/4800/DPSK/USB	cipher		'05
4.420,00	ESA?	Tallinn	0645	USB	rus d/x		'07
4.420,00	OH5	Ohio State EOC Columbus	1454	USB	ALE probably on wrong NPHRN frequency		'07
4.421,00	---	CIS Military	2253	CIS-75/75/250			'08
4.421,10	---	unid Russian Military	1830	81-81 81/200	encrypted		'07
4.422,00	---	Military	1922	NATO 100/850	tfc in cipher		'08
4.423,00	---	unid coast station ??	0607	USB	german long d/x		'05
4.424,50	"L"	MX Beacon Tirana	0809	CW			'05
4.424,90	---	CIS Military	1810	81-81 40.5/500	tfc in cipher		'08
4.426,00	"L"	MX Beacon Tirana	0616	CW	Instead of 4424.5 23		'05
4.426,00	---	CAMSLANT	0330	USB	wx automated male voice		'08
4.426,00	---	fishermen	0049	USB	Brazilian Fisheries pos rpt		'05
4.426,00	NMN	USCG	0341	USB	WX Male voice		'05
4.427,00	---	unid uscg??	0612	FAX			'08
4.428,00	---	Military	2358	NATO-75 75/850	tfc in cipher		'08
4.429,75	696917	RUS RNAT	1655	RTTY 50/250	tfc in cipher		'07
4.430,00	---	Russian Military	2110	FSK-CW -/170	msgs like "QQT 934 FM k ar" tracking details?		'06
4.430,00	MOB1MSS	unid	1950	MIL.STD 188-141A	clg OKROKANMSS		'06
4.430,00	MOB2MSS	unid	2026	Military 188-141	"to OKROKANMSS"		'05
4.430,00	OKR	unid	2022	Military 188-141	"to MOB" 06		'05
4.430,40	9MG	Globe wireless Penang, MLA	2121	GW-FACTOR 100/200	channel free marker		'07
4.431,00	---	unid	1437	FSK/300/300 ACF=108/324			'06
4.433,00	---	CIS Military	1750	CW	Hand sent 100176 94839 11097 K 20202 K 32477 K 30869		'07
4.433,00	---	unid	2111	CW	GRN TTT TTT AT END		'07
4.433,00	---	fishermen	0549	USB	sp d/x		'07
4.433,00	6H2R	Russian Military	2148	CW	6H2R r 253 QAP K R K		'05
4.433,00	9FAB	CIS Military	1850	CW	clg /WKG "9TP2" 1921 clg /WKG "7YGS"		'08
4.433,00	DRQ3	Russian Military	2108	CW	Msg for KZFE 697 29 9 0005 697 = ZZD 946		'05
4.433,00	OLIW	Russian Military, RUS	2111	CW	5L msg to SALD		'07
4.433,00	WT8L	unid	1928	CW	"Q8QY de WT8L qsv k"		'07
4.433,10	---	unid Military	0613	STANAG 4285/600L/USB	tfc in cipher		'08
4.433,20	---	unid NATO station	2111	STANAG 4285/600L/3000	short transmissions KG84C UUUUUU strings		'07
4.434,00	---	CIS Military	2359	CIS-75 75/250 15	tfc in cipher		'08
4.435,00	FQ0	unid	1940	MIL.STD 188-141A	clg FQ3 20		'05
4.435,00	FQ10	unid	1937	MIL.STD 188-141A	clg FQ13 several times without success		'06
4.435,00	FQ3	unid	1940	MIL.STD 188-141A	clg FQ0 20		'05
4.436,40	---	unid, DZA	1850	COQUELET-8/37,5ms	encl Msg's		'06
4.436,40	WNU	GW Slidell, USA	0051	DATAPLEX	Marker		'05
4.436,50	---	unid	1949	CW	Tfc in five ltr inc cyrillic grps then offair		'07
4.438,00	---	CIS Military	1920	CIS-75 75/250	tfc in cipher		'08
4.438,00	5BY	unid	1603	CW	Z signals net chatter using hand key		'06
4.438,00	IDR	Italian Navy Rome, ITA	0945	USB	tfc ITA		'07
4.438,00	NOVEMBER	tent Austrian Military	1710	USB	OM GG/Austrian accent ?		'04
4.438,00	WRCCBUFFALO	Nat. Grid USA Service Comp. Buffalo,USA	0406	LSB/MIL.STD 188-141A	snd Also snd on 03155,00 LSB		'07
4.438,50	---	M51 French Forces	2009	CW	GRA TIME DATE BT: txt		'07
4.438,50	AAR5HFMAERS	unid Army MARS Stn reportedly Michigan	0122	MIL.STD 188-141A	to AAR5VQMARS unid Region 5 Stn		'05
4.438,50	IADV	Italian Navy	1300	USB	IADV tech experiments vessel		'06
4.438,50	IDR	Italian Navy Rome, ITA	0946	STANAG-4285/600L/USB	tfc in cipher		'07
4.438,50	IGDD	Italian Navy ship "GORGONA" A5347, ITA	1043	USB/STANAG-4285	idr this is igdd rc over		'08
4.440,00	---	unid	1401	USB	possibly Bharatpur or Surkhet RDARA/Nepal		'05
4.440,00	---	Russian Military	2114	CW	Scrambled Morse Restarts: ZZV ZZT ZIN		'05
4.440,00	---	fishermen	2128	CRY-2001/USB	Male and female voices		'05
4.440,00	---	CIS Military	2045	81-81 81/240	cipher		'05
4.440,00	U.	CIS Military	2050	USB	tfc, RUS		'07
4.440,10	---	CIS Military	1710	CW	Enciphered Morse sked simplex		'07
4.441,00	---	unid	2025	CW	unid 4-figure group transmission		'06
4.441,00	8TEJ	Rus Military	2114	CW	clg /wkg "WIRW"		'07

4.441,00	DSY8	Russian Military Bcast	2009	CW		'06
4.441,00	LDBO	Russian Military Bcast	2118	CW		'06
4.441,00	SL9M	CIS Military	2139	CW	Bcasts message: SL9M QTC 542 29 28 ..16 542 = .02	'08
4.442,00	---	Military	0525	NATO-75 75/850	tfc in cipher	'08
4.442,00	001CDCNHQ	Center for Disease Control unid location	1507	MIL.STD 188-141A		'06
4.442,00	143CDC40	Oklahoma Department of Health Tulsa, USA	1708	MIL.STD 188-141A&AMD	OK voice call WNG971	'08
4.442,00	8024	unid prob. FEMA entity	1306	MIL.STD 188-141A snd		'07
4.442,00	FP4FEM001	FEMA	1828	MIL.STD 188-141A	Also heard snd immediately after on 4757,00	'06
4.442,00	KFD905	US Dep. of Agriculture HQ Washington,USA	2025	MIL.STD 188-141A&AMD		'07
4.442,40	---	fishermen	0613	USB	sp d	'07
4.443,00	E59C	British Cadet Station, GBR	1525	USB	CQ XMT CC1 Radio CHECK Sends serial BY80AW to W38	'07
4.443,50	T1Z137	Alabama Nat'l Guard Birmingham, USA	1229	MIL.STD 188-141A snd	Army Aviation Net	'05
4.444,00	---	US Navy Napoli ITA	2307	LINK-11/2250/USB TADIL	Regular user	'05
4.444,00	---	NATO Air Defence Data System	2326	LINK-11/2250/USB TADIL-A	Still active	'05
4.445,00	9U?	unid	1502	MIL.STD 188-141A		'06
4.445,00	AAA5WI	US Army MARS Net	1340	USB-	voice	'08
4.445,00	AFA	QTH ?	1327	USB	Heavy interference approximately 60 pulses per Min	'07
4.445,00	unid	MARS Net	1308	USB	voice	'07
4.445,40	---	unid	0918	FEC	online encrypted	'06
4.446,00	---	CIS Military	1823	BEE 36-50/50/250	tfc in cipher	'08
4.446,60	ALN	unid	2232	USB	ALE Also active with other stations on 8045,60	'08
4.447,00	---	Navy CIS	0551	81-81 73/200		'07
4.447,00	---	CIS Military	1832	RUS-SYS 75/215 10	tfc in cipher	'08
4.447,00	KRBN	CIS Military	2110	CW	clg /wkg "ODG9"	'08
4.447,00	MJHF	Russian Military	0018	CW	WJLQ de MJHF R 937? K WRGX de MJHF QTA 937 K	'05
4.447,00	NW	US Navy ship	2257	USB	wkg A L M and R AAW circuit - Neptune Warrior 062	'06
4.447,00	VYLU	Russian Military	1851	CW	GRV6 de VYLU QLS QYT6 K	'05
4.447,35	---	unid	1846	FEC/100/170 20	tfc in cipher	'08
4.448,00	AJO	unid	1737	MIL.STD 188-141A	to FPR unid	'05
4.448,00	YIP	unid	1603	MIL.STD 188-141A	to FPR	'05
4.450,00	D3	unid	1906	MIL.STD 188-141A	clg "T7"	'08
4.450,00	T7	unid	1825	MIL.STD 188-141A 18	clg "D3"	'08
4.451,00	---	Israeli Navy, ISR	1843	USB/SERIAL TONE HYBRID MODEM		'08
4.451,00	4Z4CP1	US Military	2042	MIL.STD 188-141A snd		'06
4.451,00	4Z4CP2	prob. 4/4 Avn US Army Command Post-2, IRQ	1757	MIL.STD 188-141A snd	2Z4CP and 4Z4CP1 also heard	'06
4.451,00	R26808	US Military Sikorsky Blackhawk	1619	MIL.STD 188-141A	clg T3Z227	'07
4.451,00	SIMBA 01	Belgian Army paraacommando unit	0938	USB	wkg Simba 23 26 28 (all BAR paracommando units)	'06
4.451,00	T3Z158	US Military 3RD Bn 158TH Avn, IRQ	1915	MIL.STD 188-141A snd		'08
4.451,10	SIMBA 01	Belgian Army Para Comm. unit Melsbroek, BEL	1609	USB	wkg Simba 27 and Simba Koksijde (dropzones)	'06
4.453,00	---	unid	2149	PICCOLO-6 ?		'05
4.453,90	---	unid Saudi net SDA	2107	ARQ-E 46.1/170	zczc kaa900 wka90	'08
4.454,60	---	unid Military GBR ?	0740	PICCOLO-12	encrypted trafic 23/02	'05
4.455,00	"8"	unid Aéro Egyptian/Saudi	2154	ARQ-E/46.1/160	Active again No tfc so far	'06
4.455,80	---	JEAC	2245	ARQ-E/46/160	IDLE	'08
4.455,80	---	unid	1740	FSK 220/300		'08
4.455,80	RHN	ARS Air Defence	2154	ARQ-E/46,2	idles	'07
4.456,00	---	unid	2221	FSK 40.5/300		'05
4.456,00	---	Russian Military	0012	CW	Msg to XPXV, responds on QSX freq 3954 kHz	'05
4.456,00	3AG6	Russian Military	2156	CW	Comms check with FAGK and LAX5	'08
4.456,00	9LKB	Russian Military	2105	CW	Passes msg to unid de 9LKB	'08
4.456,00	BKZI	unid	2001	CW	tfc 'DE BKZI RPT ADS K TXT K RPT 1 K'	'07
4.456,00	FUKQ	unid	2009	CW	clg 6XNP then tfc in f ltr in Cyrillic grps	'06
4.456,00	TPMP	Russian Military	2228	CW	Ends 5LG msg then comms check with I3LA QGZY and QI1P	'05
4.456,00	YWYK	Russian Military	2010	CW	Comms check with QCCD ant 2SOL	'05
4.457,00	"I"	Saudi Air Defence/Aero Associated	2052	MIL.STD 188-141A	To AAI.TWS corrupt should be RHI Two bursts	'07
4.457,00	2000	Italian Carabinieri, ITA	1920	MIL.STD 188-141A	clg 2033	'07
4.457,00	2004	Italian Carabinieri, ITA	1856	MIL.STD 188-141A	clg 2033 (AMD)DIAL4	'07
4.457,00	2009	Italian Carabinieri, ITA	2130	MIL.STD 188-141A	clg 2112	'06
4.457,00	2011	Italian Carabinieri, ITA	1846	MIL.STD 188-141A	clg 2112	'07
4.457,00	2052	Italian Carabinieri, ITA	1114	MIL.STD 188-141A	clg 2004	'06
4.457,00	2084	prob. Italian Carabinieri, ITA	1704	MIL.STD 188-141A	clg 2009	'07

4.457,00	2605	Italian Carabinieri, ITA	2214	MIL.STD 188-141A	to 2009	'07
4.457,00	3000	Italian Carabinieri, ITA	2252	MIL.STD 188-141A	clg 2047	'07
4.457,00	J1B	unid	0916	MIL.STD 188-141A	clg J1H	'07
4.457,00	RAP	unid	2013	MIL.STD 188-141A snd		'06
4.457,00	RHI	unid prob. Saudi Net	1917	MIL.STD 188-141A	clg AAI	'07
4.457,00	RHN	unid	1710	MIL.STD 188-141A	clg AAN every 15 min 13	'06
4.457,00	RHP	unid	2038	MIL.STD 188-141A	clg AAP	'06
4.457,40	---	prob. Naval Net	0911	FEC 100/150	enchr.txt, QSX > 4919.4kHz	'08
4.458,00	1020	Turkish Crescent ?	1855	MIL.STD 188-141A	clg 2014 then voice tfc with roger beep	'06
4.458,00	2010	unid	0327	MIL.STD 188-141A snd		'06
4.458,00	2011	unid	0346	MIL.STD 188-141A snd		'06
4.458,00	2012	unid	0337	MIL.STD 188-141A snd		'06
4.458,00	2014	Turkish Red Crescent Emerg. Oper. Net, TUR	1851	MIL.STD 188-141A	clg 2016	'07
4.458,00	2016	unid	0243	MIL.STD 188-141A snd		'06
4.458,00	2017	unid	0309	MIL.STD 188-141A snd		'06
4.458,00	3011	unid	1845	MIL.STD 188-141A snd		'06
4.458,00	3014	unid	1821	MIL.STD 188-141A snd		'06
4.458,00	4015	Turkish Red Crescent Emerg. Oper. Net, TUR	1808	MIL.STD 188-141A snd		'07
4.458,00	5046	unid	1809	MIL.STD 188-141A snd		'06
4.458,50	FAV22	M51 French Army Fort de Bicetre	1919	CW	NR 01 O 29 20 16 25 1984 = HNKWU BAUFD CNWUX	'07
4.459,50	---	unid	0634	UNID /170/FSK	down sweeping on	'06
4.460,00	AB14ZT90	pos unid Algerian DRS Station, DZA	2004	MIL.STD 188-141A	clg GFSZT90	'08
4.460,00	BLE	unid	0743	MIL.STD 188-141A snd		'07
4.460,50	---	Mossad Tel Aviv, ISR	2308	USB	YL in 5FG tfc	'05
4.461,00	9001	unid	1901	MIL.STD 188-141A snd		'08
4.461,00	B65	Polish Military ?	0713	MIL.STD 188-141A	clg B64 who replies	'06
4.461,00	FDG	French Air Force Bordeaux, FRA	0541	RTTY 50/170	Marker "Test de FDG..."	'05
4.461,00	FTJ	Mossad Tel Aviv, ISR	2003	USB	msg grp 25 GZIZF 2	'07
4.461,00	FTJ2	Mossad Tel Aviv, ISR	1928	USB		'06
4.461,00	MIW2	Mossad Tel Aviv, ISR	1951	USB	in 5l tfc	'05
4.461,50	J1JF	CIS Military	2116	CW		'08
4.462,00	BORA	Albanian MOI, ALB	2008	MIL.STD 188-141A	clg DRINI	'04
4.462,00	DIAMANTE	Albanian MOI/Police/Military Tirane ?	1819	MIL.STD 188-141A	clg DRI-Drini region who responds	'08
4.462,00	DIAMANTI	Albanian MOI/Military, ALB	2052	MIL.STD 188-141A	clg DRINI	'07
4.462,00	DRINI	Albanian MOI/Military, ALB	1739	MIL.STD 188-141A	clg BORA	'08
4.462,00	EOZ	unid	1842	MIL.STD 188-141A	clg BORA	'05
4.462,00	MALI	Albanian MOI/Military, ALB	1800	MIL.STD 188-141A	clg DRINI	'07
4.463,00	FTJ	Mossad Tel Aviv, ISR	0433	AM	vmf/E "FTJ"	'07
4.463,00	IIAS	CIS Military	1849	CW	MSOW de IIAS R? K IIAS de MSOWR Simplex net	'06
4.464,00	---	unid	1944	CW	Vri weak slow morse	'07
4.464,50	---	MARS net AFA4FR AFA4RA AFT4JE and others	0139	USB ?		'06
4.465,00	---	unid number stn	1933	USB	repeating "690 690 690 00000" male EE until 1934	'06
4.466,00	---	unid	1942	FSK 50/850 or 100/850 ACF=4	No decode as ITA2	'08
4.466,00	---	French Navy	1616	FSK 50/850 ACF=0	Not FUB	'08
4.467,00	---	unid	2113	CW	unid tfc prob. Rus-mil	'06
4.467,00	---	Danish AF CL-604	1306	USB	wkg Primrose (DAF Karup) req wx forecast	'06
4.467,00	9RMK	Russian Military	2007	CW	9RMK R 429 K	'05
4.467,00	FT5C	Russian Military	1921	CW	A8TD QTC AR Msg for collective A8TD follows	'05
4.467,00	ILIO	Russian Military	2310	CW	Message to COOX repeats back msg on QSX freq 5874	'07
4.467,00	KBHK	Russian Military	1706	CW	Bcasts msg to collective A8TD KBHK	'06
4.467,00	PCT4	unid	1757	CW	clg /wkg VARIOUS STATIONS	'08
4.467,00	TJIL	Russian Military	1906	CW	PäPWY 841 K PANK QSLs on QSX freq 5874 kHz	'06
4.469,00	---	NATO Air Defence Modem	2149	LINK-11/2250/2250/ISB 2CH TADIL		'07
4.469,00	CAP-517	Florida CAP Net	0042	USB	CAP-517 as net control Declared a free net	'08
4.469,00	CZAPLINEK13	Polish Military	0712	USB	voice Radio checks+5f msg to others distorted	'06
4.469,00	TENNESSEE CAP 41	unid	1710	USB	closing the Southeastern CAP Net	'06
4.469,10	"L"	Tirana, ALB	0505	CW	unid MX marker	'05
4.469,60	---	unid	0523	CW	rapid pips about 3 per sec	'07
4.470,00	2049	Italian Carabinieri	1854	MIL.STD 188-141A	clg 2013 (AMD)DIAL41	'07
4.470,00	E??	unid Numberstation	1930	USB	male voice	'08
4.470,00	RAV	prob. NOR Navy PTB "Ravn" P996 (Hauk class)	2024	MIL.STD 188-141A	clg 22MTB prob. 22nd MTB Squadron prob. Bergen	'07

4.470,80	578	unid prob. Illicit	2059	CW	Repeating call 578 Then tfc	'06
4.471,00	---	Enigma M51	2139	CW	NR 31F 02 22:37:49 2005 = XMIBJ UBWSW	'05
4.471,00	7JWU	Russian Military	2048	CW	O4IT de 7JWU QBE close QYT9 unid mode	'05
4.471,00	ANEI	Russian Military	2322	CW	Comms check with AKQJ 9BXK NL4I FTWZ and PV8P 3969 kHz	'05
4.471,00	PRK6	Russian Military	2107	CW	Broadcasts msg to collective LITE LITE de PRK6	'07
4.471,00	QTVJ	Russian Military	1922	CW	FEBE de QTVJ K FEBE responds on 3969 kHz	'05
4.471,00	RDL	CIS Navy Karganda, RUS	1813	CW	GRA/QRA	'07
4.472,90	---	CIS Military	1858	81-81 40.5/400	tfc in cipher	'08
4.474,00	IATO	unid Italian Navy ship	2235	USB/STANAG-4285	wkg IDR (ItN Roma) voice coord for data tfc RRE	'06
4.475,00	---	French Forces	1828	CW	GRA //4548,5 //4808,0 TIME DATE BT: txt	'07
4.475,00	ROF73	Novosibirsk Meteo	1655	RTTY 50/425	ryry and "1-2-3-4-5-6-7-8-9-0-PROBA-1-2-3-4-RY4AG"	'05
4.475,50	FAV22	CSTEI Favieres Vernon, FRA	1849	CW	GRA 'NR 10 M 26 19 54 22 A 1980 BT TTVXP.....'	'08
4.476,00	"P"	Kaliningrad, RUS CIS Navy LETTER Beacon	1800	CW	QRA	'07
4.476,00	---	unid	0750	USB	informal data net control with CS of 31 and 63	'06
4.476,00	SHADOW 09	unid	0425	USB	SHADOW-09 reports climbing above 49 CS of wisperer ?	'06
4.476,00	SHADOW 67	unid	0550	USB	Clg KILO 21 To setup refuel at 0045	'06
4.477,00	0314MICAP	Civil Air Patrol Michigan	1234	MIL.STD 188-141A		'07
4.478,00	---	unid	2054	RTTY 50/500	GRN MARK EVERY 50 GROUPS	'08
4.478,00	---	unid	2057	CW	tfc	'08
4.478,00	RBE99	Russian Navy	2058	CW	"RBE99 812 24 3 0001 812 OP-chat/cfm-tfc	'07
4.478,00	RFL91	Russian Navy	0014	CW	clg unid w/QSA into QTC	'07
4.478,80	V2A	unid	0324	USB	V2a in progress	'06
4.479,00	---	unid	1946	CW	tfc	'07
4.479,00	AYOU	CIS Military	1949	CW	Responds to comms check from NCS ZNPA	'05
4.479,00	H6E/S6C/ASB/ASA	medit manoeuvres Military ?	0614	USB	eng accent fr sp,ita.."all unit "request track number	'07
4.479,00	IUNE	CIS Military	1732	CW	clg MRLU and 6XBQ forcomms check	'06
4.479,00	KZ20	CIS Military	2034	CW	7CTG de KZ20 K QSA? K OK R K	'05
4.479,00	TEWB	CIS Military	1732	CW	Comms check with 7TX7 and LTIU	'06
4.479,00	V2A	unid	0405	AM	V2a in prgress poor modulation depth	'06
4.479,00	YVMB	CIS Military	2043	CW	Receiving msg from unid YVMB QRV K Then YVMB R 713 K	'05
4.479,00	ZTPC	CIS Military	2017	CW	Sends msg 6HOU de ZTPC	'07
4.479,10	P7P	FN frigate D615 "Jean Bart"	0015	USB	wkg 7EQ E8G Y00 1U0 and 5HO (all SpN/PortN ships)	'07
4.479,10	Z6W	FN frigate D615 "Jean Bart"	0132	USB	wkg S1N 8MB 2IK V10 and 9MN (SpN/PortN ships)	'07
4.479,40	D8HP	Russian Military	1633	CW	Bcasts msg D8HP	'06
4.480,00	---	fishermen	1618	CRY-2001/USB	Male and femalevoices	'06
4.480,00	---	CIS Military	1958	MS-5/4800/USB	Encrypted vocoder	'06
4.480,00	AHYX	unid prob. TRK	1350	RTTY 50/300	norm+inv clg ABJUL	'07
4.480,00	BLE	unid	0119	MIL.STD 188-141A snd		'07
4.481,00	SWA16	Athens Meteo, GRC	0933	FAX 120/576	Hellenic NationalMeteorological Service	'06
4.481,50	---	unid French prob. Gendarmes	1900	USB/8-FSK/SKYMASTER ALE		'07
4.482,00	RFH61	unid Russian Navy ship, RUS	0429	CW	vvv rmp rmp rmp de rfh61 rfh61 rfh61 qsa? k	'06
4.482,90	SVJ4	Athinai Meteo, GRC	1026	FAX 120/576 11	CDT //8105,7	'08
4.482,90	SWA16	Athens Meteo, GRC	0920	FAX 120/576	Hellenic National Meteorological Service	'06
4.483,00	---	unid	2110	CW	tfc	'07
4.483,00	---	CIS Military	1901	RUS-75/75/240	cipher	'05
4.483,00	5VYJ	unid German Air Force	1915	USB/3XFEC 192/		'07
4.483,00	DHO91	German Air Force	1515	USB	Drill Msg's with DHO78 and DHJ83 and DHJ67	'07
4.483,00	DHO98	unid German Air Force Trainee	0924	USB	wkg 07XW German Air Force Trainee	'06
4.484,00	---	French Forces	0816	CW	GRA TIME DATE BT: txt	'07
4.484,00	BOULMER	Royal Air Force CRC	0816	USB	wkg Z3S and later 7SP (both RN ships)	'07
4.484,50	---	unid German airforce, DEU	1836	ARQ-E 85.7/170	encrypted msg after %%% string	'06
4.485,00	---	fishermen	0603	USB	fr d/x	'06
4.487,50	---	unid German Air Force	1322	USB	EADS-Mahrs Bursts	'07
4.487,50	CDPEME	unid PEMEX Petroleos Mexicanos	0219	MIL.STD 188-141A snd		'08
4.488,00	ADS	unid	0801	MIL.STD 188-141A	clg AHS	'06
4.488,00	AHS	unid	1310	MIL.STD 188-141A	clg ADS 1316 clg AKF 1328 clg AMY	'06
4.488,00	HOS	unid	0703	MIL.STD 188-141A	clg S6G 0709 c1ng M5Y	'07
4.489,00	---	unid Military	0704	NATO-75/75/850	tfc in cipher	'08
4.489,00	3MWZ	Russian Military	2123	CW	Bcasts msg to collective B1LW	'05
4.489,00	ARFT	Russian Military	2128	CW	Comms check with SMOG, except SMOG respond on QSX 3981	'06
4.489,00	S4ND	Russian Military	1602	CW	Comms check 4UJI de S4ND K R K	'05

4.489,30	---	unid Diplo/Military Bcast	1811	FEC	Encrypted No plainheaders Off the air 1823	'06
4.489,35	---	unid Diplo/Military Bcast	1811	FEC	Encrypted No plain headers Off the air 1823	'06
4.489,40	---	unid	2005	FEC 100/170/POL-ARQ ?	encrypted	'06
4.490,00	962WNRE	unid	1632	MIL.STD 188-141A	Also WNRE962-Ohio Bell Telephone Company	'08
4.490,00	AAT3BF	US Army MARS station	1756	MIL.STD 188-141A snd		'07
4.490,00	AAT3BFM	US Army MARS FT DETRICK	0132	MIL.STD 188-141A snd		'06
4.490,00	AAT3BFMARS	Army MARS SHARES Stn Newark DE	0307	MIL.STD 188-141A snd	SHARES Net 20	'05
4.490,00	BQG	USN/USMC MARS station	1333	USB	ALE on a SHARES ALE frequency 13/SEPT	'07
4.490,00	EK9	unid prob. Estonian Military, EST	1826	MIL.STD 188-141A	clg GEF short voice conv ALE Confirm @1831UTC	'08
4.490,00	KFD906	USDA unknown location	1830	MIL.STD 188-141A		'08
4.490,00	KGC253	GSA Wash DC	1949	MIL.STD 188-141A	TO NCS015 SHARES Nat'l Coordinating Stattion	'07
4.490,00	KLE445	unid	1149	MIL.STD 188-141A	TO KNY82 SHARES Coordinating Station Kansas	'07
4.490,00	KNY70	Nat'l Telecomm. Coord. Netw. Herndon, USA	2113	MIL.STD 188-141A snd	SHARES ALE Net	'05
4.490,00	KOP629	US Government Station Mineral Wells, USA ?	1417	MIL.STD 188-141A		'08
4.490,00	NAV	Navy-Marine Corps MARS st. Wliamsburg, USA	0145	MIL.STD 188-141A snd	Also snd on 05711.0	'07
4.490,00	NCS015	NCS Reg. Managers High Freq. R. Netw, USA	1827	MIL.STD 188-141A	TO WNG930 unid NCS015 also contacting USDAERF1	'07
4.490,00	USDAEOC2	USDA alternate EOC Riverdale, USA	1706	MIL.STD 188-141A		'08
4.490,00	USDAHQ1	US Dept of Agriculture HQs Washington, USA	1614	MIL.STD 188-141A	TO USDAERU1 US Dept of Agriculture Emergency	'07
4.490,00	WGY9900	HQs American Red Cross Falls Church, USA	0121	MIL.STD 188-141A snd	Also snd on 05711.0 VA-SHARES Coordinating Station	'07
4.490,60	---	unid Military ?	0652	NATO 75 75/850		'07
4.490,70	---	unid NATO Stn	0849	NATO-75 75/850	Continuous data Strong Bearing 010/190° prob. Inskip	'07
4.491,00	---	unid	1949	CW	tfc	'07
4.494,00	AA214	US Army Aviation prob. "214 MedCo AA", IRQ	0143	MIL.STD 188-141A snd		'08
4.494,00	TC7101	US Military 7th Bn 101st Avn, IRQ	2056	MIL.STD 188-141A snd		'08
4.495,00	PNR	PANTHER OPBAT Ops Center Nassau Bahamas	0245	MIL.STD 188-141A	to X52 on PANTHER ALE NET 18	'05
4.495,00	PNR400	Panther 400 OPBAT Georgetown Bahamas	0322	MIL.STD 188-141A snd	PANTHER NET	'05
4.496,00	378	unid Illicit	2202	CW	Repeating 378 callup	'05
4.496,00	FAV22	French CSTEI via Favières, FRA	1920	CW	NR 61 J 26 21:20:02 1990 = ZNPVU EQCIT ... NQIVC JIOJA	'08
4.496,00	M21	Russian Air defence, RUS	0526	CW	=99T728??8????99	'07
4.498,10	XF	US Navy ship	2301	USB	wkg D H K and P (all US Navy ships) link coord circuit	'06
4.498,50	---	unid Japanese ASDF	1104	MIL.STD 118-110A 16tones		'05
4.500,00	AFA2AJ	Air Force MARS	0113	USB	w/ net check-ins AFA20; AFA2BB; AFA2LC; AFA2FN;AFA2HR	'07
4.500,00	unid	unid Russian	2055	USB	tfc	'08
4.501,00	FAV22	CSTEI Favieres Vernon, FRA	0512	CW	GRA 'NR 13 T 12 17 24 13 A 1980 BT BMKEE'	'08
4.501,50	GUARDIAN84	unid	1759	MIL.STD 188-141A	clg CEDAR67 12	'06
4.501,50	TAJGA69	Polish Military, POL	1420	MIL.STD 188-141A	clg CEDAR67	'07
4.501,60	CHARLY	unid prob. US Navy	1110	USB	wkg FOXTROTT mostly strong Backfeet	'08
4.502,20	---	unid Military	1831	STANAG-4285/USB	tfc in cipher	'08
4.503,00	---	CIS Military	2248	81-81 81/215	Slow revs Opchat cipher at 2253	'05
4.503,00	---	NATO Air Defence Data System	2151	LINK-11/2250/DSB	Same data in both sidebands	'06
4.503,00	---	Russian Time-String Stn	2224	CW	Around 7 seconds slow Thanks Ary	'06
4.503,10	---	M18 'Clock' Ust'Kamenogorsk, KAZ	2049	CW	Innaccurate! Freq is 4503.15 Used to be on 4130 kHz	'05
4.503,10	---	Enigma M18 'Clock' Ust'Kamenogorsk, UZB	2323	CW	0324 0324 0325 0325 etc	'05
4.504,00	---	unid	1750	MIL.STD 188-141A	tfc in cipher PROTECTED LINK	'08
4.504,00	2224	prob. North African Net	2113	MIL.STD 188-141A snd		'05
4.504,00	WQW	unid	0405	MIL.STD 188-141A	clg RWG	'07
4.504,00	Y6F	unid	0429	MIL.STD 188-141A	clg RWG Also 0435 0445 0446 cIng JGW	'07
4.504,50	---	unid Russian station	2028	USB	Russian female voice readingmessage every 2 to 5 min	'05
4.505,00	---	Algerian Military LOC ?	1939	MIL.STD 188-141A	clg JP40 QRM fm RT on 4506	'07
4.505,00	---	unid	2207	ARQ-E 85.8/170		'05
4.505,00	FS31	Algerian Military, DZA	2236	MIL.STD 188-141A	clg ZT30	'06
4.505,00	FS33	Algerian National Guard, DZA	1817	MIL.STD 188-141A	clg "FS30"	'08
4.505,00	FS35	Algerian National Guard, DZA	1953	MIL.STD 188-141A	clg "ZT30"	'08
4.505,00	HN42	Algerian MOI, DZA	1949	MIL.STD 188-141A	clg JP56 JP63 JP64 YA4 YA40 YA51 also seen active	'05
4.505,00	JP40	Algerian Military LOC ?	0049	MIL.STD 188-141A	clg JP50	'07
4.505,00	JP50	unid Algerian Military, DZA	2021	MIL.STD 188-141A	clg JP4	'05
4.505,00	JP52	Algerian Military LOC ?	0451	MIL.STD 188-141A	clg JP56 Also 0520 0547	'07
4.505,00	JP54	Algerian MOI, DZA	1927	MIL.STD 188-141A	clg JP40 JP52 and JP54	'05
4.505,00	JP56	Algerian Military ? LOC	2051	MIL.STD 188-141A	clg JP52	'07
4.505,00	JP57	Algerian Military ? LOC	0628	MIL.STD 188-141A	clg JP60	'07
4.505,00	KF30	Algerian National Guard, DZA	2014	MIL.STD 188-141A	clg "VH30"	'08

4.505,00	KF33	Algerian Military, DZA	2215	MIL.STD 188-141A	clg ZT30	'08
4.505,00	KF35	Algerian Military, DZA	2204	MIL.STD 188-141A	clg ZT30	'08
4.505,00	LEN	LEN net Georgia	1655	MIL.STD 188-141A	clg BR1 12	'06
4.505,00	MDN	Alg-Ministère de la Défense Nationale, DZA	2213	MIL.STD 188-141A	clg FS33	'08
4.505,00	VH30	Algerian National Guard, DZA	2115	MIL.STD 188-141A	clg "KF33"	'08
4.505,00	YA40	Algerian DGSN ? LOC	0022	MIL.STD 188-141A	clg YA50	'07
4.505,00	YA50	Algerian DGSN ? LOC	0022	MIL.STD 188-141A	Responding to YA40	'07
4.505,00	ZT30	Algerian National Guard, DZA	1953	MIL.STD 188-141A	clg "FS35"	'08
4.505,50	---	CIS Military	1903	81-81 81/190	cipher	'05
4.506,00	---	unid German Airforce, DEU	1422	VFT FEC-A/192/200 3CH/FEC-A	encrypted	'07
4.506,00	IOWA CAP 101	Civil Air Patrol net	1321	USB	VOICE 01	'07
4.506,50	CU201	unid net control station	1925	MIL.STD 188-141A	clg CU206 and CU214	'05
4.507,00	---	unid German airforce, DEU	1710	ARQ-E 85.7/170	Beta idling	'06
4.507,00	035	Hongarian Military, HNG	1647	MIL.STD 188-141A	clg 100	'07
4.507,00	035	Israelian Air Force, ISR	2019	MIL.STD 188-141A	clg 082	'06
4.507,00	082	Hongarian Military, HNG	1817	MIL.STD 188-141A	clg 035	'07
4.507,00	100	Hongarian Military, HNG	1951	MIL.STD 188-141A	clg 035	'06
4.507,00	727	unid	1817	MIL.STD 188-141A	clg 526	'07
4.507,00	AA1	Israelian Air Force Ben Gurion, ISR	2201	MIL.STD 188-141A snd	Also AA3/Ben Gurion	'05
4.507,00	AA2	Israelian Military, ISR ?	1732	MIL.STD 188-141A snd	once per hour 12	'06
4.507,00	AAA	Israelian Air Force prob. NCS	0009	MIL.STD 188-141A snd	Also 5478 kHz	'05
4.507,00	BB1	Israelian Air Force	1636	MIL.STD 188-141A	clg "AAA" 10	'05
4.507,00	BB3	Israelian Military, ISR ?	1727	MIL.STD 188-141A snd	once per hour 12	'06
4.507,00	DD1	Israelian Air Force	1936	MIL.STD 188-141A snd		'05
4.507,00	R69	Israelian Air Force	1537	MIL.STD 188-141A snd	TWS R69	'07
4.507,50	---	unid German Air Force	1256	USB	EADS-Mahrs S/C-Burst QSY to 4831.5 connect	'07
4.508,00	A20	prob. Belgian Army	1520	USB	wkg A10, sending Serials	'08
4.508,00	A23	Dutch Military	1503	MIL.STD 188-141A	clg A14	'08
4.508,00	MB0	Belgian Army unit	0719	USB	wkg MB01 and C3B0 (both Belgian Army units)	'06
4.509,30	---	unid	0748	FEC	encl	'08
4.509,40	---	prob. Naval Net	1208	FEC 100/150	encl.txt, QSX not found	'08
4.509,70	---	Military	0710	STANAG-4285/USB	tfc in cipher	'08
4.510,00	---	unid Illicit	1100	AM	Spanish numbers station S-7 at 1100 utc	'07
4.510,00	---	unid	1308	CODAN/16-TONE	Variable length bursts	'08
4.510,00	---	unid	0842	USB	yl spanish accent alpha.	'06
4.510,00	INAS30P	Sonatrach Pumping Station In Amenas, DZA	1920	MIL.STD 188-141A snd	Also OHT30P Ohanet	'06
4.512,00	E5W	unid Military Belgian ?	0705	USB	Eng c I?	'07
4.512,00	Q2GK	unid AUT ?	0705	USB	tries to work Y05P who orders QSY "162" = 5904 kHz	'05
4.512,00	SIMBA 01	Belgian Army para commando unit	1453	USB	wkg Simba 23 (Belgian Army paracommando unit)	'06
4.512,00	SIMBA 30	Belgian Army paracommando unit	1512	USB	wkg RB1 and FN (both Belgian Army units)	'06
4.515,00	B2U	Algerian National Guard, DZA	0841	MIL.STD 188-141A	clg "JB03"	'08
4.515,00	JB01	Algerian National Guard, DZA	0813	MIL.STD 188-141A	clg "JB03"	'08
4.515,00	JB03	Algerian National Guard, DZA	0813	MIL.STD 188-141A	clg "JB01"	'08
4.515,00	KM01	Algerian National Guard, DZA	1623	MIL.STD 188-141A	clg "KM02"	'07
4.515,00	KM02	Algerian National Guard, DZA	1653	MIL.STD 188-141A	clg "KM01"	'07
4.515,00	KP02	Algerian National Guard, DZA	0811	MIL.STD 188-141A	clg "RM01"	'08
4.515,00	MDN	Algier Algerian National Guard, DZA	0830	MIL.STD 188-141A	clg "JB03"	'08
4.515,00	QM02	Algerian National Guard, DZA	0845	MIL.STD 188-141A	clg "RM01"	'08
4.515,00	QX03	Algerian National Guard, DZA	0816	MIL.STD 188-141A	clg "QX03"	'08
4.515,00	RB01	Algerian National Guard, DZA	1002	MIL.STD 188-141A	clg "RM01"	'08
4.515,00	RB02	Algerian National Guard, DZA	0842	MIL.STD 188-141A	clg "RM01" 0940 clg "TP01"	'08
4.515,00	ST02	Algerian National Guard, DZA	0811	MIL.STD 188-141A	clg "RM01"	'08
4.515,00	TP00	Algerian National Guard, DZA	1703	MIL.STD 188-141A	clg "KM02"	'07
4.515,00	TP01	Algerian National Guard, DZA	1653	MIL.STD 188-141A	clg "KM02"	'07
4.515,00	VQ01	Algerian National Guard, DZA	0852	MIL.STD 188-141A	clg "RM01"	'08
4.516,50	DHJ83	German Air Force station	1231	USB	wkg German Air Force units collective c/sign	'06
4.516,50	DHM91	German AF LTKdo Münster	0900	USB/RATT	wkg German Air Force stations	'07
4.517,00	AFF3K	USAF MARS net	1330	USB		'07
4.517,00	RIT	Severomorsk, RUS	0406	CW	rlo de rit qtc 6t4 38 15 0658 60 prognoz pogody	'07
4.518,00	---	unid German Air Force	1123	ARQ-E 85.7/	encl	'06
4.518,00	1000	unid	1931	MIL.STD 188-141A snd		'07

4.518,00	180	probably Carabinieri Net	2110	MIL.STD 188-141A snd		'06
4.518,00	1800	Italian police	0356	MIL.STD 188-141A snd		'06
4.518,00	354	unid	1608	MIL.STD 188-141A		'07
4.518,50	CALORIE	French Air Force	0225	RTTY 50/85	clg 738	'08
4.518,50	FDI22	French Air Force Narbonne, FRA	0214	RTTY 50/850/N	test-tape "CECI EST UNE EMISSION DE CALORIE ..."	'07
4.520,00	---	fishemen	0553	USB	RY-mkr	'07
4.520,00	4XZ	Israeli Navy	1834	USB/SERIAL TONE HYBRID MODEM	sp d/x	'07
4.521,00	---	Russian Military	2236	MS-5/4800/USB	parallel on 5512.0 6618.0 8780,00 khz	'07
4.521,00	---	CIS Military	2136	MS-5/4800/USB	cipher	'05
4.521,00	WI7Q	unid	0500	CW	cipher	'07
4.521,00	YIOS	unid	0501	CW	"BW?AU de WI7Q k" "YIOS de WI7Q k"	'07
4.521,50	T12	12th Avi. Batt. MRC Dispatch Center, MRC	2245	MIL.STD 188-141A snd	Responds to WI7Q "YIOS k r k"	'07
4.523,60	BISCAYE	FN ?	1124	USB	Davison AAF/Ft Belvoir VA	'07
4.524,00	DETLEF	Germ or Austr Military	1122	MIL.STD 188-141A	wkg Mailyly? live Military ? ssile firing RRE	'06
4.525,00	ADMIRAL	Austrian Military	1438	MIL.STD 188-141A	clg PARKBANK	'07
4.525,00	RADIUS	Austrian Forces	0540	MIL.STD 188-141A	clg SPAGAT 39tone after Handshake	'07
4.525,00	SPAGAT	Austrian Forces	0542	MIL.STD 188-141A	clg "SPAGAT"	'07
4.527,00	---	French Military Fort de Bicetre, FRA	1915	CW	clg "ADMIRAL"	'07
4.527,00	---	CIS Military	2243	CIS-75/75/250	5L msg after bt nr 59 n 13 20:14:57 1984 bt	'07
4.527,00	UM49989	unid	1305	CW		'08
4.530,00	---	unid	0651	MIL.STD 188-110A/USB	vvv c1m c1m de um49989 rptd sk	'06
4.530,00	---	unid station	0403	RTTY 75/850	tfc in cipher	'08
4.530,00	BORA	Bora Albanian Police, ALB	0651	MIL.STD 188-141A	Explosion rpt	'07
4.530,00	DIAMANTI	Albanian Military	2003	MIL.STD 188-141A	clg "DRINI"	'08
4.530,00	DRINI	Albanian MOI/Military, ALB	1744	MIL.STD 188-141A	clg DRINI	'05
4.530,00	MALI	Albanian MOI, ALB	0614	MIL.STD 188-141A	clg BORA	'05
4.530,00	RAD7	Albanian Military	1904	MIL.STD 188-141A	clg DRI	'07
4.530,00	S4S000OGB	unid	2240	MIL.STD 188-141A	clg RAD4	'05
4.530,00	S4S000OGBMRM1	unid	1458	MIL.STD 188-141A	clg V1S000OEkCOPER	'05
4.530,00	V1S	Lithuanian Air Force	2044	MIL.STD 188-141A	clg V1S000OEkCOPER	'06
4.530,00	V1S000OEkCOPER	unid	0203	MIL.STD 188-141A	clg S4S000OGBMRM1	'07
4.531,00	---	M51 French Forces	1626	CW	clg S4S000OGBMRM1	'07
4.531,00	---	unid stations possible MARS net	1330	USB	clg S4S000OGBMRM1	'07
4.531,50	---	unid German Air Force	1301	USB	GRA TIME DATE BT: txt	'07
4.532,00	---	unid French Air Force	2129	USB	voice	'07
4.532,70	---	unid Military	0541	STANAG-4285/USB	EADS-Mahrs S/C-Burst	'07
4.533,00	---	unid NATO evtl Northern Coasts	1856	STANAG-4285/600L/8n1	"TEST DE MENTOR CETTE EMISSION EST DESTINEE AU..."	'06
4.533,50	---	unid Military ?	0433	RTTY 50/170	tfc in cipher	'08
4.534,00	---	unid French Airforce	0356	USB		'07
4.535,00	KB1	Georgian Military 8GS net	0328	MIL.STD 188-141A	French male voice test Ceci est une transmission ...	'08
4.535,00	KBT	unid Georgian Military, GEO	1849	MIL.STD 188-141A	clg BR5	'06
4.535,00	VKT307	Mersey Radio Devonport, TAS	2140	USB	clg 2BR	'07
4.536,00	---	unid	2030	CW	With ships call back with pos reports	'05
4.536,00	BD21	Algerian Military, DZA	2245	MIL.STD 188-141A	"D11C D11C ii FRD3022 FRD3022 ...+" s/off	'07
4.536,00	BD25	Algerian Military, DZA	2334	MIL.STD 188-141A	clg RM20	'07
4.536,00	FRA2284	unid	1947	CW	clg RM20	'08
4.536,00	LYN	Virginia Nat'l Guard Lynchburg VA	0100	MIL.STD 188-141A snd	D11C de FRA2284 repeated AR at regular intervals	'07
4.536,00	PRT	NG Portsmouth VA	0040	USB	28	'07
4.536,00	RM20	Algerian Military, DZA	2034	MIL.STD 188-141A	ALE	'07
4.536,00	ZT20	Algerian Military, DZA	2216	MIL.STD 188-141A	clg BD20	'07
4.536,00	ZT21	Algerian Military, DZA	1751	MIL.STD 188-141A	clg RM20	'07
4.536,00	ZT23	Algerian Military, DZA	2332	MIL.STD 188-141A snd	to RM20 w/LQA who replied	'08
4.537,00	W03	DJ3238-Polizeistreifenboot-3, DEU	1915	MIL.STD 188-141A snd		'08
4.537,00	WSPAN	Wasserschutzpolizei Oldenburg, DEU	1903	MIL.STD 188-141A snd	Wasserschutzpolizei	'07
4.537,50	---	Seasonde Ocean Observation Radar N.America	0400	PXX/25K		'07
4.537,50	---	CIS Military	1412	81-81 81/180	pulse swept with 1 sweep/second from 4525-4550 kHz	'08
4.537,50	BP21	Bundespolizeiboot "Bredstedt", DEU	1053	MIL.STD 188-141A snd	In tfc	'07
4.537,50	BP24	BP24 "Bad Bramstedt", DEU	1901	MIL.STD 188-141A snd		'08
4.537,50	BP26	BP26 "ESCHWEGE", DEU	1212	MIL.STD 188-141A		'08
4.537,50	LEZSEE	Lage- und Einsatzzentrum Cuxhaven, DEU	2314	MIL.STD 188-141A snd	clg LEZSEE BP-LEZ See Lübeck	'08
4.537,50	RBE99	Russian Navy, RUS	0509	CW	wkg duplex with unidstation rpt of msg and qru 15	'08

4.537,50	W03	Wasserschutzpolizeiamt Niedersachsen, DEU	1111	MIL.STD 188-141A snd	WSPAN Streifenboot W3 Niedersachsen	'08
4.537,50	WSPAN	Wasserschutzpolizeiamt Niedersachsen, DEU	1127	MIL.STD 188-141A snd	WSPAN HQ Oldenburg =Niedersachsen State Police "Sea"	'08
4.538,00	G13	Royal Army unit	0725	USB	wkg H24F (RAR unit) ordering troops to prepare 1 AVG?	'06
4.538,70	---	unid Military	0708	STANAG-4285/USB	tfc in cipher	'08
4.538,80	---	Saudi Airfields Status Net	2145	ARQ-E/46.2/173 TCI- BR6029C	Siemens FEC-1000 system in ATU-70	'08
4.538,90	---	unid	1217	ARQ 100/170	clg YZXQ	'07
4.540,00	244	prob. Chinese Military	1820	MIL.STD 188-141A	"TO:514 TIS:244"	'06
4.540,00	288	prob. Chinese Military	1820	MIL.STD 188-141A	"TO:334 TIS:288"	'06
4.540,00	571	unid	1952	MIL.STD 188-141A	clg 288	'06
4.540,00	671	unid	2133	MIL.STD 188-141A	clg 571	'08
4.540,00	FWD	unid	2300	MIL.STD 188-141A	clg MAI	'05
4.540,00	NAP	unid	2050	MIL.STD 188-141A snd		'08
4.540,00	OP1	Lithuanian Military ?	1744	MIL.STD 188-141A	with AMD msg SUPRATAU RYSIO PATIKRINIMAS	'06
4.540,00	RCI	unid	0149	MIL.STD 188-141A	to NAI	'07
4.540,00	RCN	unid Saudi net ?	1944	ARQ-E 46,1/170/MIL.STD 188-141A	in LSB clg NAN in ARQ-E atu-arabic msgs on kna circuit	'07
4.540,00	RCP	unid	2245	MIL.STD 188-141A	clg NAP	'07
4.540,00	TF1	Singapore Navy	0856	MIL.STD 188-141A	clg TF2	'07
4.540,00	TF2	Singapore Navy	1405	MIL.STD 188-141A	clg TF1	'07
4.541,00	---	NATO Air Defence Data System	1914	LINK-11/2250/USB Single channel		'07
4.541,00	---	Belarus Military	0505	DSB	"frequency is occupied" markers, heard on 2338 and 2371	'05
4.542,00	---	Russian Air Defence PVO	1908	CW	Plotting strings 992305??0????? 992397??0?????	'05
4.542,50	DELTA03RS1006	unid	2348	MIL.STD 188-141A	clg KAMAR20RS1006	'07
4.542,50	KAMAR20RS1006	unid	2348	MIL.STD 188-141A	clg DELTA03RS1006	'07
4.542,50	RADAR90RS	Uzbek Military	2108	MIL.STD 188-141A	clg KULON02RS100	'06
4.542,50	RADAR90RS100	Uzbek Military	1754	MIL.STD 188-141A	clg MAKON02RS1006	'07
4.542,50	TUMOR02RS1006	Uzbek Army	0149	MIL.STD 188-141A	clg RADAR92RS1006 13	'06
4.544,00	---	NATO Air Defence Data System	1459	LINK-11/2250/MIL.STD 188-203	TADIL A Single channel	'06
4.544,50	KH1C	unid CIS	1925	CW	LBV2 de de KH1C R? QYE2 R?K	'05
4.545,00	---	Ukrainian Military tentative	1716	RTTY 50/500	"KRIPTOGRAMA" with UTC+2 time stamp; encrypted	'05
4.545,00	---	fishermen	1830	USB	Two boats Aberdonian accents	'07
4.545,00	1001	Calling unid	1829	MIL.STD 188-141A ALE 2G		'05
4.545,00	BI21	Calling unid	1755	MIL.STD 188-141A ALE 2G		'05
4.545,00	HBD20	Bern/keneried, SUI MFA	0713	MIL.STD 188-110A/USB	tfc in cipher SIMPLEX	'08
4.545,00	KB1	Georgian Military	0255	MIL.STD 188-141A	to CQB w/LQA	'07
4.545,00	KBT	prob. Georgian Military	1925	MIL.STD 188-141A	clg 2BR	'07
4.548,50	---	French Forces	1828	CW	GRA //4475,0 //4808,0 TIME DATE BT: txt	'07
4.549,70	---	unid	0815	RTTY 50/850	Crypto KG84 26/Nov	'06
4.550,00	---	unid French Military/Navy	1948	UNID/50/850	No bearing ACF=0	'06
4.550,00	173	unid	2124	USB	clg 953	'07
4.550,00	ACI	Dutch Military, NLD	1100	MIL.STD 188-141A	clg ACIE04	'07
4.550,00	ACIE01	Dutch Military, NLD	1115	MIL.STD 188-141A	clg ACIE19	'07
4.550,00	ACIE04	Dutch Military, NLD	1024	MIL.STD 188-141A	clg ACIE12	'07
4.550,00	ACIE07	Dutch Military, NLD	1213	MIL.STD 188-141A	clg ACIE19	'07
4.550,00	ACIE09	Dutch Military, NLD	1615	MIL.STD 188-141A	clg ACIE17	'07
4.550,00	ACIE12	Dutch Military, NLD	1035	MIL.STD 188-141A	clg ACIE01	'07
4.550,00	ACIE16	Dutch Military, NLD	1208	MIL.STD 188-141A	clg ACIE07	'07
4.550,00	ACIE17	Dutch Military, NLD	1615	MIL.STD 188-141A	clg ACIE09	'07
4.550,00	ACIE18	Dutch Military, NLD	1549	MIL.STD 188-141A	clg ACIE12	'07
4.550,00	ACIE19	Dutch Military, NLD	1116	MIL.STD 188-141A	clg ACIE01	'07
4.550,00	ACIE21	Dutch Military, NLD	1226	MIL.STD 188-141A	clg ACIE19	'07
4.550,00	ACIE25	Dutch Military, NLD	1251	MIL.STD 188-141A	clg ACIE12	'07
4.550,00	BXPJANKOVIC	Polish Forces Jancovici, BIH	1759	MIL.STD 188-141A	clg "OPERACYJNY"	'07
4.550,00	OCI	Dutch Military, NLD	1315	MIL.STD 188-141A	clg ACI	'07
4.550,00	OPERACYJNY	Polish Forces Warszawa, POL	1938	MIL.STD 188-141A over LSB	clg "BXPJANKOVIC"	'07
4.550,00	S4S000	S4S000OGBMRM unid	2258	MIL.STD 188-141A	clg V1S0000EKCOPER	'05
4.550,00	S4S000OGBMRM1	Lithuanian Air Defence Battalion	0005	MIL.STD 188-141A	clg V1S0000EKCOPER	'07
4.551,50	---	unid	1700	81-81 81/250		'06
4.553,00	CHARLY	Italian Navy vessel	2015	USB	OM/EE+II wkg LIMA BRAVO	'08
4.553,20	"A"	Italian Navy station	1829	USB/STANAG-4285	wkg G K and R all ITN stations voice coord for data tfc	'06
4.553,20	ALFA	Italian Navy Ship, ITA	0001	STANAG-4285/600L/USB	tfc in cipher	'08
4.553,20	CHARLIE	Italian Navy Ship, ITA	0007	USB	wkg "ALFA"	'08

4.553,20	NOVEMBER	Italian Navy Ship, ITA	0008	USB	wkg "ALFA"	'08
4.553,20	VICTOR	Italian Navy Ship, ITA	0007	USB	wkg "ALFA"	'08
4.555,00	---	Military, UKR	1625	RTTY 50/52		'08
4.555,00	---	German Coast Guard Cuxhaven, DEU	1800	ARQ 100/170	tfc TED	'07
4.555,00	---	unid	1647	USB	rus? om "pierostron" ??	'07
4.555,00	FDI8	unid	2051	RTTY 50/380	ends 2054z nvg-est de fdi8 bricks rryryryrhjufxyxryry	'05
4.555,00	JAI	unid prob. Saudi net	2233	MIL.STD 188-141A	clg RAI	'07
4.555,00	JAP	unid prob. Saudi net	2137	MIL.STD 188-141A	clg RAP	'07
4.555,00	JCP	unid prob. Saudi net	2234	MIL.STD 188-141A	clg RFP	'07
4.555,00	RS0014A	Macadonian Military	1629	MIL.STD 188-141A	clg CS002B	'08
4.555,20	---	German Coastguard Cuxhaven, DEU	0630	ARQ 100/170	German WX bulletin	'05
4.555,20	DLVB	ZollBoot Schleswig-Holstein	0857	ARQ 100/170	clg IPVA GC Cuxhaven No cnt	'05
4.555,20	DLVF	ZollBoot Glückstadt	0701	ARQ	ipva ipva ipva iphansa 10/4 qto 06.35 elbab	'05
4.555,20	DLVH	ZollBoot Emden, DEU	0822	ARQ	moin moin kolls hier ist die Emden	'07
4.555,20	DLVP	ZollBoot Kniepsand, DEU	1046	ARQ 100/170		'07
4.555,20	DLVY	ZollBoot Hamburg, DEU	1059	ARQ/100	clg IPVA	'07
4.555,20	dlvz	ZollBoot Bremerhaven, DEU	0812	ARQ	#99889 dlvz pos rpt to kuewa	'07
4.555,20	DQZ28?	German CG Cuxhaven, DEU ?	0858	ARQ	Auslaufverbote/??-ban Fahndungen/flag search found one	'07
4.555,20	EFFE	63883 ? German ship	0632	ARQ		'07
4.556,50	---	fishermen	0635	USB	fr d/x	'06
4.557,00	CALORIE	French Air Force unid location	0450	RTTY 50/85	"CECI EST UNE EMISSION DE CALORIE DESTINEE AU....	'08
4.557,00	FDI22	French Air Force Narbonne, FRA	0436	RTTY 50/85	RY-mkr "LE BRICK"	'08
4.557,00	RHP	Saudi Military	2211	MIL.STD 188-141A	to AAP	'07
4.557,70	"D"	Cluster Beacon Sevastopol Naval, UKR	0258	CW	MX beacon	'08
4.557,80	"P"	MX Cluster Beacon Kaliningrad, RUS	0013	CW		'08
4.557,90	"S"	MX Cluster Beacon Severomorsk, RUS	2103	CW		'08
4.558,00	"C"	MX Beacon Moscow, RUS	2048	CW		'08
4.558,00	"D"	MX Beacon Odessa, RUS	0024	CW	With possibly C-Moscow 03	'07
4.558,00	"M"	MX Beacon Magadan, RUS	1839	CW	MX Beacon	'05
4.558,00	"S"	MX Beacon Arkhangelsk, RUS	2108	CW	Navy Beacon	'07
4.558,10	"A"	Russian Navy prob. Astrakhan, RUS	1930	CW	mkr	'06
4.559,30	---	Moroccan Army Ouarzazate, MRC	2151	FEC 100/850	Msgs in French to Commandant Royal Guard	'05
4.559,70	YHF	Mossad Tel Aviv, ISR	2312	USB	YL in 5LG tfc	'05
4.560,00	22H	unid	1459	MIL.STD 188-141A	clg MAI	'05
4.560,00	FWD	unid	2258	MIL.STD 188-141A	clg MAI	'05
4.560,00	OPQ	Lithuanian Military, LTU	2149	MIL.STD 188-141A	clg OP1	'06
4.560,00	TAH	Istanbul Radio, TUR	2000	FEC 100/170	Turkish and English Marine wx forecast rpt	'08
4.560,00	YHF2	Mossad Tel Aviv, ISR	2132	USB		'07
4.560,40	4LUA	Enigma M89 ?	2002	CW	V GN8V de 4LUA repeating	'06
4.561,00	CALORIDE	French Forces	0653	USB	fre test	'06
4.561,00	JPQ	Lithuanian Navy HQ Klaipeda, LTU	2042	MIL.STD 188-141A	clg JPNET	'08
4.561,00	PL2	unid prob. LTU Navy	1600	MIL.STD 188-141A+110/39tone/75Bps	clg MR1,Hs	'08
4.561,00	TWBL2	Guardia Civil, ESP	1015	MIL.STD 188-141A	clg TXX2 Madrid	'07
4.561,00	TWCG2	Guardia Civil Gijon, ESP	0905	MIL.STD 188-141A	clg TWVA1 Avila	'07
4.561,00	TWLC2	Guardia Civil Santader, ESP	2126	MIL.STD 188-141A	clg TXX1 Madrid	'08
4.561,00	TWVA2	Guardia Civil Leon, ESP	2159	MIL.STD 188-141A	clg TWVS2 Salamanca	'06
4.561,00	TWVS2	Guardia Civil Salamanca, ESP	1710	MIL.STD 188-141A	clg TXX2 Madrid	'07
4.561,00	TXX2	Guardia Civil Madrid, ESP	1651	MIL.STD 188-141A	clg TWVB2 Burgos	'07
4.561,00	TYMA2	Guardia Civil Avila, ESP	2310	MIL.STD 188-141A	clg TYMR2 Ciudad Real	'05
4.561,00	TYMB2	Guarda Civil, ESP	2213	MIL.STD 188-141A	clg TXX2 Then calks TYMC2 and TYMV2	'05
4.561,00	TYMC2	Guardia Civil Caceres, ESP	1647	MIL.STD 188-141A	clg TXX2 Madrid	'06
4.561,00	TYMG2	Guardia Civil Guadalajara, ESP	2302	MIL.STD 188-141A	clg TYMA2 Avila	'05
4.561,00	ZSC	GW Capetown, ZAF	1105	GW-FACTOR	In comms with 4274	'06
4.562,00	---	NG Pulaski VA	2352	MIL.STD 188-141A		'07
4.562,00	AFF	unid prob. VA NG	1616	MIL.STD 188-141A snd		'07
4.562,00	VAB	VA NG Virginia Beach VA	1725	MIL.STD 188-141A snd		'07
4.562,00	VALNY	NY Nat'l Guard Valhalla NY	1714	MIL.STD 188-141A snd		'07
4.563,20	---	Spanish Navy Mont, ESP	1937	STANAG-4285/600L	88 % synch	'07
4.566,40	VCT	Tors cove Radio, CAN	2032	GW-FACTOR 100/200	channel free	'08
4.567,00	---	fishermen	0557	USB	eng	'06
4.568,00	---	unid	1958	FSK 100/250	tfc in cipher	'07

4.568,00	ACA	unid	1845	MIL.STD 188-141A snd			'07
4.568,50	IHMR	Italian Navy Ship Rimini (M5561)	2036	USB	Italian/English operator wkg the IHCH Chioggia (M5560)		'07
4.568,50	IOMR	unid Italian Military	2036	USB	Italian/English operator wkg IOCH		'07
4.570,00	---	unid	0412	MIL.STD 188-110A ACF = 20			'05
4.572,00	---	NATO Air Defence Data	1805	LINK-11/2250/USB	Intermittent data		'06
4.573,50	NNN0IOF	USN/USMC MARS station	1405	USB	voice		'08
4.574,00	---	Russian airdefence, RUS	0709	CW	very weak signal plotstrings		'07
4.575,00	NNN0XAF	USN/USMC MARS station	1329	USB	voice		'08
4.576,20	---	unid Military	1829	STANAG-4285/USB 10	tfc in cipher		'08
4.578,00	JJB20/JJC20	Possible Japanese Military Net	1106	CW	4FGs Stations use some national symbols		'07
4.578,00	V47	unid prob. ROU Military	1719	MIL.STD 188-141A	clg PDT again @1723UTC no resp		'08
4.580,00	E06	Spy Number	1956	USB	5fg number msg Mike tnx for id		'05
4.580,50	RAY85	RUS/CIS Navy	2105	CW	clg /wkg RJD79 'RJD79 RJD79 DE RAY85 QSA QRV K '		'07
4.580,50	RBE99	RUS/CIS Navy	2121	CW	clg /wkg RJD99 'RBE99 812 N05 812 = FOR RJD99 89775'		'07
4.581,00	---	unid Numbers Stn	1947	CW	21747 42316 42904 22728 57660 0 0 0 0 0 0		'08
4.581,00	ZS-SFF	SA576 Airvus A319	1950	HFDL	Uplink		'06
4.581,10	DDH	Hamburg Meteo, DEU	0858	RTTY 50/450	Eng WX		'08
4.582,00	---	CIS Military	2251	BEE 36-50 50/250	tfc in cipher		'08
4.582,00	DDK2	Hamburg Germany Meteo	0454	RTTY 50/450	coded wx plaintext wx		'06
4.583,00	7RUZ	unid	1811	CW	RPT K RPT K 7RUZ 7RUZ RPT K Handsent		'07
4.583,00	DDH7	DWD Pinnenberg, DEU	0105	RTTY 50/400	Wx groups		'06
4.583,00	DDK	Hamburg Meteo, DEU	1325	RTTY 50/425	with aaxx synop for Greenland and U.S.A		'06
4.583,00	DDK2	Pinneberg Meteo, DEU	2050	RTTY 50/450	meteo synopsis		'05
4.585,00	004	unid	0241	MIL.STD 188-141A snd			'07
4.585,00	043MERCAP	Middle East Region Civil Air Patrol	0915	MIL.STD 188-141A snd			'07
4.585,00	754	unid Illicit	2020	CW	Ends msg Parallel prob. spurious on 4586,80 kHz		'07
4.585,00	998NHQ	US CAP ? LOC ?	0241	MIL.STD 188-141A	clg 999NHQCAP		'07
4.585,00	AHS	unid Scand net?	0719	MIL.STD 188-141A	clg ADS		'06
4.585,00	AKF	unid	0706	MIL.STD 188-141A	Responds to AHS		'07
4.585,00	AMY	unid Scand net?	1351	MIL.STD 188-141A	clg AKF		'06
4.585,00	MIDDLE EAST 15	Civil Air Patrol	1300	USB	voice Net		'07
4.586,00	SELA	Russian Military	1850	CW	Bcast msg, alternative		'05
4.587,50	---	unid	1758	USB	tfc, RUS SIMPLEX		'07
4.589,00	---	fishermen	0833	USB	ff d/x wind		'05
4.590,00	6WW	French Forces Dakar, SNG	0025	STANAG-4285/600L			'05
4.590,10	2	Scott Air Force Base Illinois, USA	1251	USB	Armed Forces Day very weak here		'07
4.591,00	---	unid	1710	FSK/150/600 ACF-8			'08
4.591,00	FLA	unid station	2034	MIL.STD 188-141A	clg BTS		'06
4.592,00	035	Hungarian Army	1917	MIL.STD 188-141A	clg 082		'08
4.593,00	---	unid	1923	CW/F1A /250	fm 81539 for 846155782 K		'06
4.593,00	190	unid	1846	MIL.STD 188-141A	clg 191		'07
4.593,00	2000	unid	2117	MIL.STD 188-141A over LSB	clg "1001"		'07
4.593,00	3000	unid	1800	MIL.STD 188-141A over LSB	clg "3070" 1801		'07
4.593,00	3050	unid	2150	MIL.STD 188-141A over LSB	clg 3000		'07
4.593,00	3060	unid	2109	MIL.STD 188-141A over LSB	clg "3070"		'07
4.593,00	3070	unid	1800	MIL.STD 188-141A over LSB	clg "3000"		'07
4.593,00	3080	unid	1758	MIL.STD 188-141A over LSB	clg "1001" '[AMD] DIAL4'		'07
4.593,00	4000	unid	2117	MIL.STD 188-141A over LSB	clg "4080"		'07
4.593,00	RAI	prob. Saudi ntwk	2122	MIL.STD 188-141A	clg JAI		'06
4.593,00	RAN	Ars Air Force, ARS ?	1812	MIL.STD 188-141A over LSB	clg "JAN"		'07
4.593,00	RAP	unid pos Saudi net	1546	MIL.STD 188-141A over LSB	clg JAI		'08
4.593,50	AFA1HS	USAF MARS	1303	USB	voice Net		'07
4.593,50	AFA1NF	USAF MARS	1309	USB	voice		'08
4.594,00	TWCG1	Guardia Civil Gijon, ESP	0844	MIL.STD 188-141A	clg TWLG1 Guipuzcoa		'07
4.594,00	TWVS1	Guardia Civil Salamanca, ESP	2156	MIL.STD 188-141A	clg TWCR2		'06
4.594,00	TXX1	Guardia Civil Madrid, ESP	1507	MIL.STD 188-141A	clg TWCG2		'06
4.595,00	---	prob. Moroccan Army	2001	MIL.STD 188-141A/39 tones modem	with DLP 17		'06
4.595,00	Q7W	unid	2207	MIL.STD 188-141A	clg X3I		'07
4.595,00	T2Z52	2nd Battalion 52nd Avn Regiment, KOR	1039	MIL.STD 188-141A snd	17th Avn Bde Camp Humphreys		'04
4.596,00	FDG	French Air Force Bordeaux	2208	CW	vvv vvv vvv vvv vvv de fdg fdg fdg ar		'05
4.597,35	---	unid	1838	FEC/100/170 20	tfc in cipher		'08

4.600,00	0000001220	Turkish Net	2123	MIL.STD 188-141A snd	0000001230 also seen	'04
4.600,00	0000001275	unid prob. Turkish Net	2356	MIL.STD 188-141A snd		'07
4.600,00	0000001276	unid	2037	MIL.STD 188-141A snd		'07
4.600,00	00001220	unid	1920	MIL.STD 188-141A snd		'05
4.600,00	1643	unid	2209	MIL.STD 188-141A snd		'07
4.600,00	1644	unid	2000	MIL.STD 188-141A snd		'07
4.600,00	349604	unid	1738	MIL.STD 188-141A snd		'08
4.600,00	4024	unid	1935	MIL.STD 188-141A	wkng 1912	'05
4.600,00	6045	unid	1949	MIL.STD 188-141A snd		'08
4.600,00	CS001	Macedonian Forces, MKD	0719	MIL.STD 188-141A	clg "RS005"	'08
4.600,00	CS001B	Macadonian Military	1730	MIL.STD 188-141A	clg RS0014B	'07
4.600,00	RS004	Macadonian Military	1945	MIL.STD 188-141A	clg CS001	'08
4.600,00	RS005	Macadonian Military	1700	MIL.STD 188-141A	clg CS001	'07
4.600,00	TIR	unid	1935	MIL.STD 188-141A	clg JKB	'07
4.601,50	0A	HQ Irish Naval Service Haulbowline, IRL	1322	ARQ	5LGs to 57/vessel, Simplex Lost on QSY to F8/unknown	'06
4.601,50	10	unid Irish Naval Service Facility	1710	ARQ	99 PT99	'06
4.601,50	23	Irish Navy Ship, IRL	1952	ARQ 100/170	clg /wkg "0A"	'08
4.601,50	45	Irish Navy Ship, IRL	2019	ARQ 100/170	clg selcallXSEFM and wkg Bantry Radio	'06
4.601,50	50	Irish Navy Ship, IRL	1943	ARQ 100/170	clg /wkg "0A"	'08
4.601,50	65	Irish Navy Ship, IRL	1851	ARQ 100/170	clg /wkg "0A"	'08
4.601,50	78	Irish Navy Ship, IRL	1501	ARQ 100/E/170	qsl tfc	'07
4.601,50	99	Irish Navy Ship, IRL	1738	ARQ 100/170 18	clg /wkg "50"	'08
4.601,50	OA	Irish Air Force Dublin, IRL	1949	ARQ	tfc	'08
4.601,80	---	unid	1315	USB	male op spelling LIMA ECHO ALPHA LIMA FOXTROTT etc etc	'05
4.602,00	---	fishermen	2253	CRY-2001		'05
4.602,00	---	CIS Military	2252	BEE 36-50/50/250	tfc in cipher	'08
4.603,00	---	Enigma S06	1930	USB	Russian O/M 3* adjiem dwa dwa 2* tri nul sjiem adjiem	'07
4.603,00	---	unid	1801	CW	GRN	'08
4.603,20	---	Spanish Navy, Esp	2333	STANAG-4285/600L/USB	tfc in cipher	'08
4.604,00	---	Net: RED ROBIN stations	1306	USB	voice	'07
4.604,00	ROBIN 8	Civil Air Patrol	1300	USB	voice Net	'07
4.605,00	"P"	CIS Navy Beacon Kaliningrad	1831	CW	Single letter (P) hf beacon	'07
4.605,00	SSG	unid Georgian Net	0441	MIL.STD 188-141A	(TIS) to SKB 17	'07
4.605,00	SPIRITUS	German Army unit	1329	USB	wkg Orange (GAM unit) coord troop movements	'06
4.607,00	---	unid	0120	FAX	Present for a couple of nights Maps	'07
4.608,50	LCR153	Polish Military, POL	1634	MIL.STD 188-141A	clg LACHTA	'08
4.608,50	STYGMAT	Polish Military Warszawa, POL	1913	MIL.STD 188-141A snd	several times until 2127 At 2138 clg CUKIERNIA	'05
4.609,00	---	CIS Military	1950	MS-5/1440/USB	In and out of cipher. One of many on 4/5/6/7/8 MHz	'08
4.609,00	035	unid Hungarian Military Station, HNG	1117	MIL.STD 188-141A	clg 082	'08
4.609,50	GYA	Royal Navy Northwood, GBR	2125	FAX 120/576	meteo charts Europe & N Atlantic	'05
4.610,00	---	FWOC	0737	W-FAX 120/576	Continously Atlantic Ocean Map w Note	'05
4.610,00	COLONARY	US Navy E-6B	0945	USB	clg Lajes no joy Croughton also clg very loud here	'06
4.610,00	GYA	Royal Navy Northwood, GBR	1400	F1C 120/576	at 14:00 Sea SurfaceTemp T+12	'07
4.610,50	45	unid Irish Naval Service, IRL	1340	ARQ	SELCALs XSEFM/Bantry Radio then CVXB-unid	'08
4.611,00	ARN	prob. Russian FAPSI	1614	RTTY 50/500	Opchat in CW OK QTC1 K 5FGs in RTTY some Military ?	'08
4.611,00	LDBO	RUS Military	2140	CW	ldbo ldbo ldbo qtc371294tt3t371 = 62t	'07
4.611,00	VXTM	Russian Military	2030	CW	Broadcasts msg VXTM QTC 000 31 20 2320 000 = ZAF 805	'08
4.611,00	WNL5	Russian Military	2228	CW	Bcasts 4FG msg WNL5 470 29 17 0120 470 = 984 = = 2002	'08
4.611,50	T2Z238	2/238th AVN REGT Shelbyville IN	0416	MIL.STD 188-141A snd	Army Aviation	'05
4.612,00	LN4C	CIS Military	1833	CW	Exchanges QSAs with L2HG and YXY1	'06
4.612,00	Y9B1	unid CIS	2242	CW	Bcast msg 7BWY de Y9B1 923 923 649 = 7290 0138 8025	'06
4.613,00	---	unid	1515	USB	busy net with at least five stns heard	'05
4.613,00	---	NATO Air Defence Data Modem	1640	LINK-11/2250/ISB 2CH TADIL		'07
4.614,00	---	unid	0649	USB	slave unid	'05
4.616,00	BMF	Taipei Meteo, TWN	1936	FAX 120/576	fair copy	'07
4.617,40	---	unid	0820	FEC 100/170	"POL-ARQ"? encrypted	'06
4.618,00	WSPAN	WSP Amt Nieders.Oldenburg, DEU	1558	MIL.STD 188-141A snd		'07
4.618,50	CALORIE	French Air Force, FRA	1617	RTTY 50/75Hz		'08
4.618,50	FDI22	French Air Force Narbonne, FRA	0700	RTTY 50/85	RY+TEST	'08
4.619,50	RBE99	unid RUS	2017	CW	clg /wkg RJD99	'07
4.620,00	---	fishermen	0700	USB	span d/x/night outcome of many ships	'05

4.623,00	---	NATO Air Defence System	1006	LINK-11/2250/USB 1CH TADIL	Switches to LSB at 1015	'05
4.623,50	---	USN/USMC MARS Net	1311	USB	voice	'07
4.623,50	NNNOGCE4	QTH ?	1306	USB	with training information net	'07
4.625,00	---	unid Military Station, GEO	1953	MIL.STD 188-141A	clg KBl disturbed by "The Buzzer"	'08
4.625,00	UBV76	Russ. Mil channel marker "the Buzzer", RUS	2035	AM		'07
4.626,50	8XT2	Russian Air Defence Plotter	1703	CW	WZD 850258056 2302 8XT2 WZD 850258056 3204	'06
4.627,00	BYDGOSZCZ	Polish MOI Bydgoszcz, POL	1010	MIL.STD 188-141A	clg WARSZAWA1	'05
4.627,00	CAP	stations in Arkansas net	1100	USB	voice	'07
4.627,00	WARSZAWA2	Polish MOI/R&S Net Warsaw, POL	1834	MIL.STD 188-141A snd		'05
4.627,00	WARSZAWA3	POL MSWIA Warszawa, POL	1632	MIL.STD 188-141A snd		'08
4.629,00	1107	unid	0708	MIL.STD 188-141A snd		'07
4.629,00	FAV22	CSTEI Favieres Vernon, FRA	1842	CW	GRA 'NR 89 G 21 19 48 07 1980 BT CIVWX '	'08
4.630,00	1ZZ	unid	1011	MIL.STD 188-141A snd		'05
4.630,00	7W0	unid	1649	MIL.STD 188-141A snd	AL2	'05
4.630,00	ANTARCTO	Tunisian Military, TUN	1732	MIL.STD 188-141A	TO HAMZACTO	'05
4.630,00	AOI	Tunesian Military probably	2059	MIL.STD 188-141A	clg ASSADCTO	'05
4.630,00	CN01	Algerian National Guard, DZA	0619	MIL.STD 188-141A 28	clg "ZT01"	'08
4.630,00	CPF	unid	1019	MIL.STD 188-141A snd		'05
4.630,00	JL01	Algerian National Guard, DZA	0618	MIL.STD 188-141A 28	clg "JL02"	'08
4.630,00	JL02	Algerian National Guard, DZA	0615	MIL.STD 188-141A 28	clg "BJ01"	'08
4.630,00	LWD	unid	1425	MIL.STD 188-141A snd	AL1	'05
4.630,00	T1K	unid	1541	MIL.STD 188-141A snd		'05
4.630,00	TN1	unid	0711	MIL.STD 188-141A	clg SL1	'07
4.630,00	TTW	unid	1859	MIL.STD 188-141A snd	AL2	'05
4.630,00	WPI	unid	1507	MIL.STD 188-141A snd	AL1	'05
4.630,00	Z1Q	unid	2225	MIL.STD 188-141A snd		'05
4.630,00	ZSF	unid	1935	MIL.STD 188-141A snd	Oldic	'05
4.630,00	ZT01	Algerian National Guard, DZA	0619	MIL.STD 188-141A snd		'08
4.631,40	---	unid	2001	COQUELET-8 26.7/E/200	Weak poor decode thru 2014z	'07
4.632,00	---	unid Brazilian Farmers	1710	USB	OM talking abt farms in the northwest	'05
4.632,00	---	unid	1903	CW	Fast CW - long figs string Rpts of two blocks	'07
4.632,00	CRDE	Russian Military, RUS ?	1418	CW 16 wpm	"vuv gqq4 de crde qyt6 zvo zag zmx qyt6 r k "	'07
4.635,00	"P"	RMP Navy Kaliningrad	0651	CW	id	'07
4.637,00	10GP	Belgian Army unit	0925	USB-	wkg 1PAR 14AR 24LI 20LO 6GPC and 2GPC (all BAR units)	'06
4.639,00	---	FVO/Russian Air Defence	1508	CW	time-mkr "=991808??8?????" 0=T	'08
4.640,00	---	CIS Military	0719	RTTY 50/500 04	tfc in cipher	'08
4.640,00	FDG	French Air Force Bordeaux	1716	RTTY 50/17		'06
4.640,00	T2Z238	US NG 38TH AVN BRGD	0108	MIL.STD 188-141A snd	Also 0239	'07
4.643,00	---	unid Military	0723	STANAG-4285/USB	tfc in cipher	'08
4.645,00	---	Tallin Airport, EST	2235	USB	"This Tallin Airport Information..."	'05
4.645,00	ADWNPR	USAF Andrews AFB Camps Springs, USA	0042	MIL.STD 188-141A snd		'08
4.645,00	CRONPR	USAF Croughton, GBR	2343	MIL.STD 188-141A snd		'08
4.645,00	ICZNPR	US Navy Sigonella, ITA	2357	MIL.STD 188-141A snd		'08
4.645,00	MHE	unid	0535	MIL.STD 188-141A	clg "ATG"	'08
4.646,50	L13	prob. Dutch Military	0955	MIL.STD 188-141A	clg L18	'08
4.647,00	---	fishermen	0918	USB	sp d/x day's outcome "salmonete,congrios,calamares..."	'08
4.647,85	---	unid	1628	CW	tfc	'07
4.648,00	---	CIS Military	1834	CIS-75/75/75/250	tfc in cipher	'08
4.648,00	KPA2	Mossad Tel Aviv, ISR	1815	USB	fem voice "Kilo-Papa-Alfa-Two"	'04
4.648,00	MIW2	Mossad Tel Aviv, ISR	1935	USB	repeated EB	'05
4.650,00	---	O/M Spanish	0329	USB	w/O/M Spanish	'07
4.650,00	RM9	unid Regional Net Mexican Military	0332	MIL.STD 188-141A	to CAMALEON3 Mexican Military	'05
4.651,00	TXX2	Guardia Civil Madrid, ESP	1738	MIL.STD 188-141A	clg TYMA2 Avila	'07
4.651,50	---	NATO Tactical Data System	2247	LINK-11/2250/USB TADIL-A 1CH		'06
4.654,60	---	fishermen	2015	USB	span d/x	'05
4.657,00	---	unid	2024	DSP9000/USB or CZECH-DSP9000	Compatible analogue voice scrambler	'07
4.660,00	---	unid Spanish fishermen, ESP	0245	USB		'06
4.662,50	XSS	unid	1443	MIL.STD 188-141A snd		'06
4.663,00	---	Novosibirsk, RUS Volmet	1915	USB	wx ing	'08
4.663,00	---	Kiev/Borispol Volmet, UKR	1910	USB	wx ing 1940 wx ing	'08
4.663,00	---	Tashkent Volmet, RUS	2110	USB	English YL reading wx rpt	'07

4.664,00	---	Fishery/Offshore Oil W.Africa	0615	USB/CRY-2001	w/encrypted voice	'07
4.664,00	---	pirate ?	0757	USB	voice encrypt ?	'04
4.666,00	---	fishermen	1735	CRYPT-2001/USB	prob. Spanish Male voices	'05
4.667,00	T3Z238	US Army unit, IRQ ?	2045	ALE Military SPEC-188-141A snd	this call is listed as 3/328th Army aviation	'06
4.668,00	CFL9	unid	2041	CW	Fast cut 4FGs 7AN5 356D 03 54N3 DUAT ends	'05
4.670,00	---	fishermen	0634	USB	sp d	'08
4.670,00	Q7NW	China	1152	CW	"V GKVZ GKVZ GKVZ DE G7NW G7NW" very weak	'06
4.672,00	---	unid	1710	STANAG	two stations in QSO	'06
4.673,00	GKVZ	unid	1420	CW	"V GKVZ DE Q7NW"	'06
4.675,00	---	Bodo	0639	USB	c unid vol	'07
4.675,00	---	Gander Radio, CAN	0653	USB	clg Continental 90 for040 west rpt not received	'07
4.675,00	---	Iceland Radio, ISL	0807	USB	wkg SUM6245requesting oceanic clearance	'07
4.675,00	---	Shanwick, IRL	0528	USB	c selcal AFKP 82-8000 usf 747 vc-25a officials?	'06
4.675,00	---	Mumbai Radio Mumbai, IND	2125	USB	wkg "INDIA 252"	'08
4.675,00	CQBF	N17128 coa 757	0528	USB	c atc shanwick	'08
4.675,00	DLES	n177dz 767 dal	0455	USB	c atc nat shanwic	'07
4.675,00	DSGQ??	any clue? LH415	0517	USB	c atc nat shanwick pos	'07
4.675,00	HJAL	c-fcaf 767 aca	0458	USB	c atc nat shanwick	'07
4.675,00	REACH509	unid	0546	USB	w atc nat shanwic	'07
4.675,00	VT-DHA	Indian BD700 Global Express reg VTDHA	0525	USB	cn9111 wkg Bodo FL400	'06
4.680,00	---	fishermen	2206	CRY-2001/USB	Analogue scrambler Simplex prob. Spanish Male voices	'05
4.681,00	"8"	ARINC Johannesburg AFS	0405	ARINC635-3/HFDL	with (SPDU CRC PASS) & "Ground Station ID = 8"	'06
4.681,00	---	Johannesburg/Jan Smuts AFS Air	1820	ACARS	SQUITTERS	'07
4.681,00	008	ARINC Johannesburg AFS	2010	HFDL/300/2K4	double slot uplink to OK-LEF and G-VEIL	'08
4.681,00	A12	unid	1939	MIL.STD 188-141A snd		'07
4.681,00	A7-ADV	Qatar Airways A321	0003	HFDL	Posn rpt 2345N 05652E	'08
4.681,00	AA1	Israelian Air Force Ben Gurion, ISR	2141	MIL.STD 188-141A snd		'08
4.681,00	AA2	Israelian Air Force, ISR	1914	MIL.STD 188-141A snd	TWS AA1	'08
4.681,00	AA5	Israelian Air Force	1931	MIL.STD 188-141A snd		'08
4.681,00	AAA	Israelian Air Force NCS	1925	MIL.STD 188-141A snd		'08
4.681,00	B-6078	Air China A330 Flt CCA907	2357	HFDL	Posn rpt 6022N 03933E	'08
4.681,00	BB1	124 Sqn Israeli Air Force Palachim, ISR	2133	MIL.STD 188-141A snd		'05
4.681,00	BB2	Israelian Air Force	1837	MIL.STD 188-141A snd		'04
4.681,00	C36	Israelian Air Force	1859	MIL.STD 188-141A	clg TSM	'07
4.681,00	C38	Israelian Air Force	1900	MIL.STD 188-141A	clg TSM	'08
4.681,00	C63	Israelian Air Force	1858	MIL.STD 188-141A	clg AA2	'08
4.681,00	D-ALCA	LH6296 MD11F	1947	HFDL	Uplink ex JNB	'07
4.681,00	D-ALCE	Lufthansa Cargo MD11F Flt LH8370	2357	HFDL	Posn rpt via Johannesburg 5325N 04542E	'07
4.681,00	D-ALCM	Lufthansa Cargo MD11F Flt LH8297	2152	HFDL	Logs on to Johannesburg	'05
4.681,00	DD1	ISRAELI AF? ? LOC ?	0610	MIL.STD 188-141A snd	Also 0209 0310	'07
4.681,00	JAL642	JAL Flight JA401J	0357	HFDL	(LPDU LOG ON RESUME) ICAO AID 2AE6A1	'06
4.681,00	M60	unid	2352	MIL.STD 188-141A snd		'08
4.681,00	TSM	Israelian Air Force	1910	MIL.STD 188-141A	clg C52	'08
4.681,00	VT-JWC	Jet Air India A340 Flt 9W0117	2305	HFDL	Posn rpt 4730N 01623E via Johannesburg Aero	'07
4.681,00	YNT	Israelian Air Force	1858	MIL.STD 188-141A snd	TIS YNT	'08
4.681,00	ZS-SFG	SA 479 A319	1645	HFDL	Posn to JNB	'06
4.681,00	ZS-SFI	SA62 A319	1942	HFDL	Posn to JNB	'06
4.681,00	ZS-SFJ	SA 422 A319	1643	HFDL	Posn to JNB	'06
4.681,00	ZS-SFM	SA579 A319	1931	HFDL	Uplink fm JNB	'06
4.681,00	ZS-SHH	SA287 A320	1951	HFDL	Uplink	'06
4.681,00	ZS-SJO	SA 362 B738	1640	HFDL	uplink fm JNB	'06
4.681,00	ZS-SJT	SA 357 B738	1645	HFDL	downlink	'06
4.681,00	ZS-SNA	A346	0342	HFDL	Wx Gnd/Air fm JNB	'05
4.681,00	ZS-SNE	SA220 A346	1655	HFDL	uplink fm JNB	'06
4.681,00	ZS-SNF	SA Flight 260 A346	1730	HFDL	Air/GND Msgs	'05
4.681,00	ZS-SNH	SA287 A346	1925	HFDL	Uplink fm JNB	'06
4.681,00	ZS-SNI	SA268 A346	1956	HFDL	Posn to JNB	'06
4.681,00	ZS-SXB	SA???? A340	1915	HFDL	Posn to JNB	'06
4.683,00	AAA	prob. Israeli Airforce	1531	USB	ALE snd	'04
4.686,00	---	prob. NATO Kinloss, GBR	1825	STANAG-4285/USB	tfc in cipher	'08
4.686,00	411 ?	unid	2130	CW	GOOD SIGNALEND TX AT 2141	'06

4.687,90	---	unid Slovak Military ?	0720	CW	F1A 480 Hz slowly repeating "c 8 f c c 8 f c c 8 f c +"	'06
4.700,00	---	fishermen	1629	USB	dan ?	'05
4.700,00	2222	unid	1807	MIL.STD 188-141A snd		'06
4.700,00	BXPJANKOVIC	Polish Army "Djeneral Djankovic"	2005	MIL.STD 188-141A	KFOR Kosovo Forces Contingent Border Crossing Point	'07
4.700,00	FREDGAS	WPPY393 WGLC Frederick, USA	1142	LSB/ALE snd	Washington Gas & Light Company	'07
4.700,00	OPERACYJNY	Polish Army HQ Warsaw, POL	2005	MIL.STD 188-141A	to BXPJANKOVIC Kosovo who answered	'07
4.700,00	SHENGAS	WPPY393WGLC Springfield, USA	1133	LSB/ALE snd	Washington Gas & Light Company	'07
4.700,00	XLT	M82	1559	CW	vvv v4m de xlt qsa? qsa? qtc qtc 85 vvv v4m de xlt qsa?	'07
4.702,00	---	Uruguayan fishermen	1149	USB	fishing data	'06
4.703,00	OWE	Danish Air Force, Karup Rescue Karup, DNK	1728	USB	tfc DAN	'07
4.703,50	---	NATO Air Defence Data System	1639	LINK-11/2250/LSB Single channel		'06
4.704,40	---	unid	0413	FSK 75/850 ACF=0		'05
4.704,50	---	Dutch Military unit	1945	USB	in contact with net control station OFP	'06
4.706,00	---	Kinloss Rescue ARCC Kinloss Scotland, GBR	2105	USB	wkg Navy 177 Sea King 771 Sqn HMS Gannet Prestwick	'08
4.706,00	---	unid Illicit	2216	CW	Ends 5FGs with 0 0 0	'05
4.706,00	BOULMER	Royal Air Force CRC	1554	USB	wkg F3S (RN ship) JAAWSC circuit cross	'06
4.706,00	GFF	Kinloss Rescue	1710	USB	wkg SIERRA 169 for short r/c after check on 5680 kHz	'07
4.706,00	RESCUE 125	Royal Air Force/Royal Navy Helicopter	1356	USB	wkg KINLOSS RESCUE/ARCC Kinloss Aircraft	'06
4.706,00	XSS	NCS DHFCS, GBR	1834	MIL.STD 188-141AB snd		'08
4.707,00	PHOENIXTOC	unid	0331	MIL.STD 188-141A snd		'07
4.707,00	R23839	US Military a/c	1859	MIL.STD 188-141A	clg T01185 1st Bn 185TH Avn K'	'07
4.707,00	T01147	US Army 1-147th AVN Camp Bondsteel	2247	MIL.STD 188-141A snd		'07
4.707,00	T01185	US Military 1st Bn 185TH Avn KSV	1933	MIL.STD 188-141A snd		'08
4.707,00	T01204	US Military 1st Bn 204TH Avn KSV	2152	MIL.STD 188-141A snd		'08
4.707,80	456	unid Illicit	2218	CW	In 5FG tfc 29205 99171 99171 01725 01725 =	'07
4.709,00	BOULMER	RAF flightwatch centre, G	1447	USB	wkg 7XA	'05
4.709,00	SVO	unid	0223	USB	ID	'05
4.710,00	---	fishermen	0720	USB	fra d/x	'07
4.712,00	---	Yerevan Radio, ARM	1838	USB	wkg Mineralnyye Vody	'08
4.712,00	---	Mineralnyye Vody Aero, RUS	1710	LSB	YL/RR clg OMSK VOLGOGRAD no joy LSB not USB as listed	'07
4.712,00	NOVEMBER FOXTROT	Navy Link Net	0322	USB		'05
4.712,50	---	Swiss Air Defence	1617	UNID 100/160	encrypted with another station/output on 4713.5	'08
4.713,50	---	unid	1824	FSK 100/154	tfc in cipher TWINS	'08
4.713,50	---	unid	1102	CIS-100 100/130	prob. ACF=0 Encrypted	'07
4.713,50	---	CIS Military	1956	81-81 81/180	In cipher	'08
4.714,00	COKL	unid CIS	2300	CW	COKL K QRV K K R 274 230 2 K SLV K Nothing further	'08
4.715,00	XSS	DHFCS Forest Moor G	2131	MIL.STD 188-141A snd	2201,2236,2310	'08
4.716,00	---	unid Italian Airforce	1758	MIL.STD 188-141A	to CHARLY46 HQ 46th Bde Pisa-San Giusto AB answered	'07
4.716,00	4000	Italian Carabinieri	0609	MIL.STD 188-141A	clg 49	'06
4.716,00	46	Italian Air Force	2043	MIL.STD 188-141A	clg 61	'06
4.716,00	47	Italian Air Force Net	1637	MIL.STD 188-141A	clg CHARLY46-HQ 46 Bde Pisa-San Giusto AB	'07
4.716,00	48	unid	0628	MIL.STD 188-141A	clg CHARLY46	'06
4.716,00	49	Italian Air Force	2145	MIL.STD 188-141A	clg CHARLY46 HQ 46 Aerial Brigade IAF SanGuisto AFB 20	'05
4.716,00	54	Italian Air Force	1116	MIL.STD 188-141A	clg CHARLY46 HQ 46 Aerial Brigade IAF SanGuisto AF	'04
4.716,00	55	Italian Air Force, ITA	0715	MIL.STD 188-141A	clg "CHARLY46"	'08
4.716,00	59	unid	1115	MIL.STD 188-141A	clg CHARLY46 46th Aerial Brigade Pisa-San Giusto A.B I	'06
4.716,00	64I	Italian Air Force, ITA	0706	MIL.STD 188-141A	clg "CHARLY46"	'08
4.716,00	CHARLY46	Italian Air Force San Guisto AFB	1538	MIL.STD 188-141A	HQ 46 Aerial Brigade IAF clg 47	'07
4.717,00	R26078	Helo UH-60A?	2021	ALE/MIL-188-141A	clg Phoenix Tactical Op Center	'05
4.718,00	BOULMER	Royal Air Force CRC	0917	USB	wkg W9R (RN ship) JAAWSC	'06
4.718,00	ETOILE L	French Navy N-262	1405	USB	wkg Nime Ecole req landing wx for Nimes	'06
4.718,00	GFF	Kinloss Rescue, GBR	2017	USB	Transmitting to clear up the frequency from interference	'07
4.720,00	---	fishermen	0814	USB	fr d/x	'06
4.720,00	---	unid Egyptian Border Guard	0202	MIL.STD 188-141A	TO 111	'07
4.720,70	---	unid Male English	1710	USB	Is anybody on frequency ? Males Spanish on	'06
4.721,00	"4"	unid logged sev times/freqs today	0616	MIL.STD 188-141A	direct dial via JNR Salinas	'05
4.721,00	---	HF-GCS Nodes ICZ Sigonella HAW Ascension	2200	MIL.STD 188-141A snd		'07
4.721,00	---	USAF Offutt AFB, USA HF-GCS Offutt AFB NE	0606	MIL.STD 188-141A	to MCC McClellan AFB Ca HF-GCS Scope Command	'05
4.721,00	020180	USAF A.C	1710	MIL.STD 188-141A		'06
4.721,00	100445	0445	0115	MIL.STD 188-141A snd		'05
4.721,00	100454	USAF 0454 97th AMW Altus AFB Ok	1440	MIL.STD 188-141A snd		'08

4.721,00	133	unid	0945	MIL.STD 188-141A snd	Also noted on 5708 11226/15043 HF-GCS Scope Command	'05
4.721,00	160022	C-5 86-0022	2008	MIL.STD 188-141A snd		'05
4.721,00	170037	USAF C5 Galaxy Tail 87-0037	0128	MIL.STD 188-141A	direct dial AMDCCCCPTAENNNN via Offutt then up in voice	'05
4.721,00	170041	USAF C-17 Aircraft #87-0041	0010	MIL.STD 188-141A snd		'07
4.721,00	170045	USAF ACRFT C5 87-0045	0145	MIL.STD 188-141A	clg MPA	'07
4.721,00	180221	USAF ACRFT C5 68-0221	0131	MIL.STD 188-141A snd		'07
4.721,00	190007	C-5 69-0007	0816	MIL.STD 188-141A	wkg HIK Hickam HF-GCS	'05
4.721,00	190019	C-5 69-0019	2128	MIL.STD 188-141A	wkg OFF Offutt HF-GCS	'05
4.721,00	200177	C-17A Globemaster 00-0177 Charleston	0109	MIL.STD 188-141A	test back to aircraft HF-GCS Scope Command	'05
4.721,00	200179	C-17 00-0179	2120	MIL.STD 188-141A	wkg CRO Croughton HF-GCS	'05
4.721,00	210189	C-17 01-0189 Rch-198	2035	MIL.STD 188-141A	wkg CRO Croughton HF-GCS ALE and VOICE "unsuccessful"	'05
4.721,00	210197	USAF C-17 01-0197	1749	MIL.STD 188-141A snd		'04
4.721,00	221106	C-17 02-1106	1958	MIL.STD 188-141A snd		'05
4.721,00	223291	USAF C-17 92-3291 97th AMW Altus AFB	1710	MIL.STD 188-141A snd		'07
4.721,00	223292	C-17 92-3292	1905	MIL.STD 188-141A	wkg ICZ Sigonella HF-GCS	'05
4.721,00	230603	unid USAF Aircraft	2122	MIL.STD 188-141A	to CRO HF-GCS Node Croughton into USB tried pp failed	'07
4.721,00	233118	C-17A Globemaster 03-3118	0718	MIL.STD 188-141A	test back to aircraft a/c "Spirit of Choctaw Warrior"	'05
4.721,00	233119	C-17A Globemaster 03-3119	0019	MIL.STD 188-141A	to ADW HF-GCS Andrews AFB MD Direct dial	'05
4.721,00	233122	C-17A Globemaster 03-3122 McCord AFB	0732	MIL.STD 188-141A	direct dial TIMNNNN Universal Time Clock	'05
4.721,00	240065	unid USAF Aircraft	2146	MIL.STD 188-141A snd		'05
4.721,00	244132	USAF C-17A Globemaster 04-4132	2201	MIL.STD 188-141A	to Andrews ADW ALE direct dial garbled to McGuire	'05
4.721,00	250106	C-17 95-0106	0757	MIL.STD 188-141A snd		'05
4.721,00	260	USAF C-17 96-0006	2058	MIL.STD 188-141A	clg CRO/US HF-GCS Stn Croughton UK	'05
4.721,00	266163	USAF Aircraft Boeing C-17A Globemaster III	1812	MIL.STD 188-141A	#06-6163 60th AMW/349 AMW of AMC Travis Cato CRO ADW	'08
4.721,00	280056	USAF C-17 98-0056 62nd AW McChord AFB Wa	1119	MIL.STD 188-141A snd		'07
4.721,00	280056	USAF C-17 Aircraft,Tail #98-0056	1721	MIL.STD 188-141A snd		'05
4.721,00	290166	USAF C-17 99-0166	2352	MIL.STD 188-141A snd		'05
4.721,00	290170	C-17 99-0170	1841	MIL.STD 188-141A	wkg GUA Guam HF-GCS	'05
4.721,00	29061	99-0061 USAF c17a	1920	MIL.STD 188-141A	to 29061?	'07
4.721,00	40191	unid	0202	MIL.STD 188-141A snd	TWS	'07
4.721,00	430079	KC-10 83-0079	0622	MIL.STD 188-141A	wkg AED Elmendorf HF-GCS	'05
4.721,00	44192	USAF a/c?	1407	MIL.STD 188-141A snd		'07
4.721,00	491713	USAF KC-10 79-1713	2241	MIL.STD 188-141A snd		'04
4.721,00	500350	USAF KC-135 McConnell AFB Kansas	1410	MIL.STD 188-141A	60-0350 22nd ARW clg CRO USAF Croughton AB UK	'07
4.721,00	523557	USAF KC135 Tail 62-3582	1253	MIL.STD 188-141A snd	HF-GCS Scope Command 050	'05
4.721,00	523580	USAF KC135 Tail 62-3580	1323	MIL.STD 188-141A snd	Also noted on 5708/9025 HF-GCS Scope Command	'05
4.721,00	538011	USAF KC135 Tail 63-8011	1224	MIL.STD 188-141A	to Offutt HF-GCS Scope Command	'05
4.721,00	538031	USAF KC135 Tail 63-8031	0421	MIL.STD 188-141A	to PTAWNNNN Hilda West via MCC ID's in voice	'05
4.721,00	57001443	USAF KC135 Tail 57-1443	0136	MIL.STD 188-141A	to OFF Offutt up as Maine air Guard 1443 req Radio ck	'05
4.721,00	570120	No "0120" in KC135's prob. 87-0120 KC-10A	0233	MIL.STD 188-141A	to HAW HF-GCS Ascension Island	'05
4.721,00	571443	KC-135 57-1443	0936	MIL.STD 188-141A snd		'05
4.721,00	580071	KC-135 58-0071	1107	MIL.STD 188-141A snd		'05
4.721,00	580100	USAF Boeing KC-135R Stratotanker	2136	MIL.STD 188-141A	717-148 Aircraft #58-0100 100th ARWto CRO w/LQA	'07
4.721,00	5GS	Georgian Military	0302	MIL.STD 188-141A	to SBR 0406z to SKB; 0203z unid to 5GS; 0214z & 0313	'07
4.721,00	610306	KC-135 61-0306 Rch-1306	1016	MIL.STD 188-141A	wkg CRO Croughton HFGCS ALE + voice for Radio Check	'05
4.721,00	70000451	prob. C'0451 Military ?	0341	MIL.STD 188-141A snd	Also noted on 9025 HF-GCS Scope Command	'05
4.721,00	ADW	Andrews HF-GCS	0730	MIL.STD 188-141A	wkg ICZ Sigonella HF-GCS	'05
4.721,00	AF5	C-20C 85-0049	0047	MIL.STD 188-141A snd		'05
4.721,00	CRO	USAF Croughton AB, GBR	1421	MIL.STD 188-141A snd		'07
4.721,00	DAGA 88	Italian AF Brindisi, ITA	1150	USB/RATT	wkg IDR voice coord for data tfc and ops normal calls	'07
4.721,00	DEFAULT	US Military; HF-GCS	0404	MIL.STD 188-141A snd	w/"missprogrammed" ALE-PRG	'08
4.721,00	DEJE1	unid tent US MIL's HF-GCS Net	1913	MIL.STD 188-141A snd	at 1911 unid (DAT E1@) =DEJE1? to DSMITH	'07
4.721,00	E30353	USAF E3B Sentry Tail 77-0353	0022	MIL.STD 188-141A	to OFF HF-GCS Offutt AFB NE Direct dial	'05
4.721,00	E30557	USAF 78-0557?	2111	MIL.STD 188-141A	to JD	'07
4.721,00	E30559	USAF E-3B Tail 75-0559	1250	MIL.STD 188-141A	to E30576 E-3B 78-0576 HF-GCS Scope Command	'05
4.721,00	ESAJ	A/C selcal ES-AJ shows as C-17A	0056	MIL.STD 188-141A	TO ADW Andrews HF-GCS Scope Command 27	'05
4.721,00	GUA	HF-GCS Andersen AB GUM	1743	MIL.STD 188-141A snd		'05
4.721,00	HAW	US GHFS Stn Ascension	1848	MIL.STD 188-141A snd		'05
4.721,00	HIK	HF-GCS Hickam AFB Hi	1016	MIL.STD 188-141A	to OFF Offutt HF-GCS Scope Command	'05
4.721,00	ICZ	HF-GCS Sigonella,Sicily, ITA	0421	MIL.STD 188-141A snd	HF-GCS Scope Command	'05
4.721,00	IDR	Italian Navy HQ Roma	2130	USB	clg MISSION 7100 no joy	'07

4.721,00	IKF	US HFGCS KEFLAVICK	2348	MIL.STD 188-141A	snd		'07
4.721,00	JDG	US GHFS Stn Puerto Rico	2149	MIL.STD 188-141A	snd		'06
4.721,00	JNR	US Navy Salinas AB Roosvelt Roads, PTR	2148	MIL.STD 188-141A	snd		'08
4.721,00	JTY	USAF Yokota, JAP	2001	MIL.STD 188-141A	snd		'08
4.721,00	KVX53	US Embassy Europe ??	1326	MIL.STD 188-141A		wkg kwq36 US Embassy ?	'05
4.721,00	MCC	HF-GFS McClellan AFB Ca	0606	MIL.STD 188-141A		to OFF offutt HF-GCS Scope Command	'05
4.721,00	MOBD14	unid US MIL's HF-GCS Net	0310	MIL.STD 188-141A	snd		'07
4.721,00	MPA	US HF-GCS Stn RAF Mount Pleasant MVS	2244	MIL.STD 188-141A	snd		'05
4.721,00	NIGHTWATCH 1	E4B used as NAOC Airborne Command Post	0716	MIL.STD 188-141A		to ADW Andrews HF-GCS Scope Command	'05
4.721,00	PLA	HF-GCS Lajes AB Azores	0305	MIL.STD 188-141A		to ADW Andrews HF-GCS HF-GCS Scope Command	'05
4.721,00	R05443	AH-64D Apache Longbow tail #04-5443	0054	MIL.STD 188-141A		to OFF HF-GCS Offutt AFB NE HF-GCS Scope Command	'05
4.721,00	R51	Rockwell Scope Command Fac Greenville	0513	MIL.STD 188-141A	snd	Also noted on 5708 6721 HF-GCS Scope Command	'05
4.721,00	SKB	unid	1711	MIL.STD 188-141A		clg 5GS, UKR Military 5th Gen.Sup IRQ ?	'07
4.721,00	UKE301	RAF E-3D ZH101	1106	MIL.STD 188-141A	snd		'03
4.721,00	UKE302	RAF prob. E-3D Boeing Sentry Waddington	1140	MIL.STD 188-141A		AEW1 ZH102 RAF 8 Sqn/No 23 Sqn clg UKE306 as UKE302	'05
4.721,00	UKE303	GBR-RAF E-3D Boeing Sentry Waddington	1418	MIL.STD 188-141A	snd	AEW1 ZH103 RAF 8 Sqn/No 23 Sqn	'07
4.721,00	UKE306	RAF E-3D ZH106	1214	MIL.STD 188-141A	snd		'05
4.723,00	---	fishermen ?	1822	LSB		esp d/x	'06
4.723,00	GV1	unid Georgian net	2101	MIL.STD 188-141A		wkg RAINDI who responds	'05
4.724,00	AFA	USAF Andrews Air Force Base, USA	0218	USB		EAM "WZDBYT" from Andrews relayed via unid HF-GCS nodes	'07
4.724,00	AFA3	USAF Andrews Air Force Base, USA	1004	USB		SKYKING DN 04-VE	'06
4.724,00	AFI	McClellan	2010	USB		eam	'05
4.724,00	AFS	USAF	0654	USB		eam	'08
4.724,00	AREA CODE	28-char EAM	2247	USB		7GNZD simulcast on at least 8992 with nothing heard	'04
4.724,00	ARMAMENT	EAM Bcast	0010	USB		simulcast 8992 11175 and 15016	'05
4.724,00	AUTHORIZE	28-char EAM	1734	USB		LQ2SWI and simulcasting same on at least 8992 and 11175	'05
4.724,00	CHANDLER	28-char EAM	1632	USB		R6GFRH simulcast 8992 11175 and 15016	'05
4.724,00	CHINA WARE	28-char EAM	0006	USB		3YHUVJ and simulcasting same on 8992 11175 and 15016	'05
4.724,00	DEATH BLOW	28-char EAM	1803	USB		GQ5KWU simulcast on 8992 11175 and 15016	'05
4.724,00	FALL FISH?	EAM Strings	0236	USB		With nothing heard on higher HFGCS freqs	'05
4.724,00	JUDICATE	53-char EAN	1622	USB		5CG6LU preceding OFFUTT's 1629z bcast	'05
4.724,00	OVER RIDE	28-char EAM	0553	USB		3YRGNO but covered by MCCLELLAN bcsting 3Y7JNX	'05
4.724,00	PARTS KIT	EAM Bcast	0202	USB		EAM Q3FRDF/ / 8992 with nil hrd on the other main freqs	'06
4.724,00	PERFORATE	28-char EAM	2029	USB		24M2QB simulcast 8992 11175 and 15016	'05
4.724,00	PLATINUM	28-char EAM	0200	USB		OVAJSR and simulcasting same on at least 8992 and 11175	'07
4.724,00	POLO GAME	EAM Bcast	0559	USB		3YRGNO	'05
4.724,00	POWERLINE 89	Clg MAINSAIL	0510	USB		No response and quiet	'05
4.724,00	PUBLICISE	28-char EAM	1543	USB		SAPWYG preceding ANDREWS' 1549z	'06
4.724,00	REPRIMAND	28-char EAM	1759	USB		7YGBIE and simulcasting same on 8992 11175 and 15016	'06
4.724,00	V3F	RN vessel	0730	USB		wkg Boulmer (RAF CRC) JAAWSC circuit cross tell	'06
4.724,50	DP	Italian Navy	1952	USB		OM/II sx wkg EU Short-cut vessel callsign IADP/IGDP?	'07
4.724,50	EU	Italian Navy	1952	USB		OM/II sxwkg DP Short-cut vessel callsign IAEU/IGEU?	'07
4.724,50	M5K	Italian Navy NCS	2130	USB		OM/II sx wkg 7GA 3BJ	'07
4.725,00	YALE MAN	28-char EAM	0131	USB		OIHHOI and simulcasting same on 8992 good/strong	'07
4.727,00	QF3K	M89	2321	CW		V T3AP de QF3K	'06
4.728,00	---	Tashkent Radio Aero, UZB	1923	USB		YL clg "Samarkand Radio" no joy	'07
4.728,00	---	Archangelsk Air ?	2037	USB		rus yl	'07
4.728,00	ASHKhabAD	Ashkhabad Aero, TKM	0223	USB		YL/RR sx rdo/chs w/Astana Samarkand ID	'07
4.728,00	ASTANA	Astana Aero, KAZ	0223	USB		YL/RR sx rdo/chs with Samarkand "Ashkhabad Radio"	'07
4.728,00	SAMARKAND	Samarkand Aero, UZB	0223	USB		YL/RR sx rdo/chs with Astana "Ashkhabad Radio"	'07
4.730,00	MKL	RAF Northwood, GBR	2038	RTTY CRATT 75/850/KG-84		MATELO bcast Inskip TX site	'06
4.730,00	NOJ	USCG CommSta Kodiak Alaska	0519	MIL.STD 188-141A		to SKA CGAS Sitka? USCG TISCOM NET	'05
4.731,00	---	unid	2121	STANAG-4481 ?		"YYYYYYKFUJ"	'05
4.731,50	MKL	RN Northwood	0347	RTTY 75/850		cipher	'06
4.732,00	---	unid	0120	RTTY 75/850		encrypted	'07
4.732,00	---	unid	2300	STANAG-4481/RTTY 75/850			'05
4.732,00	---	unid Turkish Navy	1150	STANAG 4481 RTTY 75/850			'05
4.732,00	BZL26	unid station	1050	RTTY 75/850			'06
4.732,00	MKL	AMCC Northwood	1519	NATO-75/75/850		via Kinloss or Inskip // 82,80 6759 8988 11213	'08
4.734,70	ALTR	unid	0826	RTTY 50/260		tkcb tlcb tlcb de altr altr altr qrk- 5 5 5 5 5 qrk	'06
4.736,00	---	unid in ANDVT	1345	USB			'08

4.736,00	6V7L	unid	0826	RTTY 50/260	tlcb tlcb tlcb de 6v7l 6v7l 6v7jl qrk 5 5 5 5 5 qrk?+?	'06
4.738,40	---	unid Swiss Military ?	1907	LSB	voice badly	'07
4.739,00	DHM91	German Air Force Muenster	0830	USB	wkg DH023 German Air Force Landsberg Comm. Trainig	'06
4.739,00	FIGHTING TIGER 20	unid	0815	USB/MIL-STD 188-110/Serial	in Whalesong With some QRM	'06
4.740,00	---	The Whale	0609	UNID		'06
4.741,40	FOXTROT SIERRA	UNID	0330	USB	wkg ECHO in prob. Italian accented	'05
4.741,50	---	unid Italian Navy ?	1144	USB	ita	'05
4.741,50	---	unid NATO exercice ?	2044	USB	ee d/x work BE,FE,...	'05
4.742,00	---	Architect	0748	USB	c NATO 01 E-3A awacs & waddington ops/req wx	'06
4.742,00	5RA	prob. Nimrod Aircraft	1703	USB	clg TASCOM for check	'07
4.742,00	9PR	unid ?	0639	USB	architect req wx uk	'06
4.742,00	ARCHITECT	RAF Flight Watch	0721	USB	w unid wx	'07
4.742,00	ASCOT 3241	ZE705 L1011* tristar kl c	1047	USB	c TASCOM	'07
4.742,00	ASCOT 5118	dgaq ZH877 *C130J hercules	1049	USB	c TASCOM - * with special supply of "therdonne radar"	'07
4.742,00	BF	NATO Net	0638	USB	vmM&F - Engl.lang - various contact clg for check	'05
4.742,00	GFW	RAF Cyprus Akrotiri, CYP	0615	USB	WX	'07
4.744,50	JWT	Navy Stavanger, NOR ?	0755	USB/STANAG	eng w W59 unid ship	'08
4.745,00	523575	KC-135 62-3575	1143	MIL.STD 188-141A	wkg ADWNPR Andrews NIPR NET 04	'05
4.745,00	ADWNPR	Andrews AFB Md	0520	MIL.STD 188-141A snd	NIPR Net	'05
4.745,00	BOULMER	RAF ADRU Boulmer, GBR	1201	USB	CHARLIE who is was looking for any BULLSEYE tfc	'05
4.745,00	CH05	Belgian AF C-130	1301	USB	wkg OMB (unid BAF station) "landing now" at 1303z	'06
4.745,00	CRONPR	NIPR Net Croughton, GBR	0425	MIL.STD 188-141A snd	NIPR Net 18	'05
4.745,00	ICZNPR	Sigonella AB I NiprNet	2210	MIL.STD-188-141A	clg CRONPR Croughton NiprNet	'05
4.745,00	MCCNPR	McClellan AFB Ca	1020	MIL.STD 188-141A snd	NIPR Net	'05
4.745,00	OFFNPR	USAF OFFUT AFB Omaha, NE, USA	0138	MIL.STD 188-141A snd		'07
4.745,00	OMB	unid Belgian AF station	1327	USB	wkg ONY (BAF Melsbroek) msg for a certain captain	'06
4.745,00	OS9IGM	unid	2045	MIL.STD 188-141A snd	NIPR Net 27	'05
4.748,00	---	NATO Air Defence Data System	1705	LINK-11/2250/USB	Repetitive data TADIL-A	'06
4.750,00	1111	unid	1936	MIL.STD 188-141A snd		'07
4.750,00	1114	unid	2017	MIL.STD 188-141A snd		'07
4.750,00	3411	unid	0912	MIL.STD 188-141A snd		'07
4.750,00	3434	unid	0910	MIL.STD 188-141A snd		'06
4.750,00	600	unid	2109	MIL.STD 188-141A	clg 606	'06
4.750,00	606	unid	2110	MIL.STD 188-141A	clg 600	'06
4.750,00	7391	unid	1934	MIL.STD 188-141A snd		'07
4.751,00	TWB1	Guardia Civil Burgos, ESP	0649	MIL.STD 188-141A	clg "TXX2"	'07
4.751,00	TWCG1	Guardia Civil Gijon, ESP	0858	MIL.STD 188-141A	clg TWLN1 Pamplona	'07
4.751,00	TWCL2	Guardia Civil Lugo, ESP	1951	MIL.STD 188-141A	clg TXX1 Madrid	'07
4.751,00	TWCP1	Guardia Civil	1714	MIL.STD 188-141A	to TWCC1	'08
4.751,00	TWLC1	Guardia Civil Santander, ESP	0108	MIL.STD 188-141A	clg TWLA1	'08
4.751,00	TWLN2	Guardia Civil Navarra, ESP	1830	MIL.STD 188-141A	clg "TXX1"	'08
4.751,00	TWLV	Guardia Civil Vizcaya, ESP	0200	MIL.STD 188-141A	clg TXXX/Valdemoro	'07
4.751,00	TWVB1	Guardia Civil Burgos, ESP	2330	MIL.STD 188-141A	clg TWCC2 La Coruna, ESP	'07
4.751,00	TWVS1	Guardia Civil Salamanca, ESP	1829	MIL.STD 188-141A	clg "TWLN2"	'08
4.751,00	TXX1	Guardia Civil Madrid, ESP	0901	MIL.STD 188-141A	clg TZSG2 Granada	'07
4.751,00	TYMG1	Guardia Civil Guadalajara, ESP	2318	MIL.STD 188-141A	clg TX2 2	'05
4.751,00	TYVC2	Guardia Civil Castellon, ESP	1556	MIL.STD 188-141A	clg "TXX1"	'08
4.751,00	TZSJ2	Guardia Civil Jean, ESP	0704	MIL.STD 188-141A	clg "TXX1"	'08
4.752,50	---	unid German Air Force	1120	ARQ-E 85,7/	encl	'06
4.753,00	---	unid CZE or SVK?	0725	USB	5LGs Czech? spelling At 0730 similar but weaker station	'06
4.754,40	---	NATO Tactical Air Defence System	2111	LINK-11/2250/ISB TADIL		'05
4.755,00	"B"	prob. Roumanian MOD, ROU	1721	MIL.STD 188-141A	clg K prob. ROU KFOR Kosovo	'08
4.755,00	---	CIS Military	2122	MS-5/4800/USB	In tfc Possibly wkg with 4852 kHz	'08
4.757,00	---	unid	1345	CW	burst with 20 ms pulses and a few longer ones	'06
4.757,00	---	unid	0230	UNID	Wide signal sending pulses	'06
4.757,00	KEY798	unid	2053	MIL.STD 188-141A snd	Also noted snd on 4442.0; 10202.0; 13488,00 & 20659,00	'07
4.758,50	EZZ	unid	0817	USB	req C3Z	'06
4.758,50	Q5Y	K5Y,02M..mil exercice "joint warrior"?	1933	USB	eng d/x	'08
4.758,50	Z6B	call Military ? exercice	0732	USB	en	'08
4.759,50	---	unid Military ?	0751	USB	czech? om number	'08
4.760,00	---	NATO Navy exercice: "fost"?	0525	USB	eng tfc	'07

4.760,00	3RA	unid European Military, GBR ?	2138	USB	OM/EE clg "ANY CALLSIGN" for ra/check no joy	'07
4.760,00	6YT	Royal Navy ?	0724	USB	eng c 5XZ	'07
4.760,00	GS1	Georgian Military, GEO	2137	MIL.STD 188-141A	Caller Address GS1 Called Address KD1	'08
4.760,00	KD1	Georgian Military, GEO	2125	MIL.STD 188-141A	Caller Address KD1 Called Address GS1	'08
4.760,00	R2J	main c/s w 1RY,Z5A,F2R,7QT Navy exercice ?	0827	USB	eng	'08
4.762,00	---	CIS Military CIS	1748	81-81 81/200	tfc in cipher	'08
4.762,00	---	unid	2135	CW	tfc 'RPT K'	'07
4.762,00	AHS	unid	0717	MIL.STD 188-141A	clg AMY 0717 clng AKF Also at 0724	'07
4.762,00	AKF	unid	0717	MIL.STD 188-141A	Responds to AHS Also at 0724 30/Jan	'07
4.762,00	AYF	unid	1103	MIL.STD 188-141A	clg AHS	'05
4.762,00	H0S	unid	2204	MIL.STD 188-141A	clg M5Y	'06
4.765,00	2PBAFA	USAF MARS	1224	MIL.STD 188-141A		'07
4.765,00	WKCNNN	US Navy MARS	1240	MIL.STD 188-141A		'07
4.766,00	---	CIS Military	1956	MS-5/4800/DPSK/USB	Encrypted vocoder	'06
4.766,00	921	unid Illicit	2113	CW	In tfc 21966 21966 24298 24298 = and gone	'08
4.766,00	EH31	Algerian MOI, DZA	2337	MIL.STD 188-141A	clg HN32	'05
4.766,00	EH33	Algerian Military ? LOC ?	0024	MIL.STD 188-141A	clg HN32	'07
4.766,00	GW32	unid	0557	MIL.STD 188-141A	clg HN32 Aslo 0601z	'07
4.766,00	HN32	Algerian Military ? LOC ?	2341	MIL.STD 188-141A	clg CP30	'07
4.767,00	---	fishermen	0823	USB	sp d/x	'07
4.771,00	---	MFA Cairo, EGY	1743	CODAN 16 TONES/USB	tfc in cipher	'07
4.771,00	BORA	Albanian MOI	1710	MIL.STD 188-141A	clg DRINI	'04
4.771,00	DIAMANTI	Albanian MOI, ALB	1741	MIL.STD 188-141A	clg DRINI	'07
4.771,00	DRINI	Albanian MOI/Military, ALB	1737	MIL.STD 188-141A	clg BORA	'08
4.771,00	KRI	Albanian Military	1923	MIL.STD 188-141A	clg DRI abbr c/s	'05
4.771,00	MALI	Albanian MOI/Military Maliqi	2002	MIL.STD 188-141A	clg DRINI	'07
4.771,00	URI	unid Albanian MOI/Military	1716	MIL.STD 188-141A	clg DRI-Drini	'07
4.772,00	---	NATO Air Defence Modem	2357	LINK-11/2250/USB 1CH TADIL-A		'07
4.772,70	---	MFA Cairo, EGY	1810	ARQ 100/170	tfc ARA clg /wkg Beirouth	'07
4.773,00	---	unid	0635	CW	tfc	'07
4.775,50	OPS171	1-171 AVN BN Ft Dobbins Ga	1059	MIL.STD 188-141A snd	Also noted on 4928.5 Army Aviation Net 13	'05
4.777,00	---	Gabonaise 1 Liberville Gabon	1710	UNID	french on	'06
4.777,40	IMB51	Rome Meteo, ITA	1732	FAX 120/576	2-panel chart unreadable due to prolonged black level	'06
4.778,00	MB3R	unid	1710	CW	"V MB3R DE YA6X" 5	'06
4.778,20	---	unid Military	0727	STANAG-4285/USB 23	tfc in cipher	'08
4.780,00	---	Indiana Joint Forces HQ	1302	LSB	voice Indiana Joint Forces HQ Emergency Radio Net	'07
4.780,00	441FEMAUX	unid FEMA Auxiliary Station WGY9441	0232	MIL.STD 188-141A	to FZ5FEM 20	'05
4.780,00	ANDERSON	Indiana Joint Forces HQ Emer. Radio Net	1304	LSB	BEDFORD & NEW ALBANY voice	'07
4.780,00	BEDFORD	MONTECELLO SALEM & WASHINGTON Indiana NG	1300	LSB	voice for weekly Joint Forces Headquarters HF Net	'08
4.780,00	BRAZIL	Indiana National Guard locations	1733	LSB	voice Indiana Joint Forces Headquarters Emer. Radio Net	'07
4.780,00	CGOOPS	possibly AL NG	2040	MIL.STD 188-141A 16/MAR		'05
4.780,00	CIO2	Mossad Tel Aviv, ISR	2145	AM		'06
4.780,00	ELWOOD ARMORY	Elwood Italian Navy NG	1426	LSB	clg GOLDEN PIRATE Indianapolis Italian Navy NG HQ	'06
4.780,00	FC6	Comms Mgr FEMA Region 6 Denton OK	0208	MIL.STD 188-141A snd	also noted on 6809	'05
4.780,00	FC8	Comms Mgr FEMA Region 8 Denver CO	0153	MIL.STD 188-141A snd		'05
4.780,00	FC8FEM	FEMA Denver	0749	MIL.STD 188-141A snd		'06
4.780,00	G23691	Sikorsky UH-60A Blackhawk 82-23691	0216	MIL.STD 188-141A	to STPOPS prob. MN NG St Paul Airport MN	'05
4.780,00	GOLDEN PIRATE	unid	1258	LSB	voice to IJFHERN	'07
4.780,00	INGEZ	Indiana National Guard	0058	MIL.STD 188-141A		'07
4.780,00	KPA2	Mossad Tel Aviv, ISR	2014	USB/AM	no msg // 07605,00	'05
4.780,00	LEN	unid LEN-Net	1907	MIL.STD 188-141A	clg BT2 later LEN clg BR1	'06
4.780,00	MADISON	IJFHERN	1302	LSB	voice	'07
4.780,00	STPOPS	prob. MN National Guard St Paul Airport KTSP	1144	MIL.STD 188-141A snd	Army Aviation Net	'05
4.780,50	9HE	RN vessel	1400	USB	wkg MAGIC 88 (RAF E-3D)	'06
4.780,50	V3F	RN vessel	0912	USB	wkg MAGIC 88 (RAF E-3D)	'06
4.781,00	---	E10 Clandestine	1936	USB	5L tfc large tone as QRM	'05
4.781,00	00S1	German Air Force Trainee	0845	USB	clg DHJ67 German Air Force Kdo 1	'06
4.781,00	DHO91	German Air Force Karlsruhe Trainee	0851	USB	clg DHJ83	'06
4.781,00	IP51	German Air Force Trainee	0843	USB	clg DHJ67 German Air Force Kdo 1 Karlsruhe Trainee	'06
4.784,00	TXX1	Guardia Civil Madrid, ESP	1718	MIL.STD 188-141A	clg TWLA2-Leon on 5379 4751 and 4784 kHz	'07
4.785,00	---	unid	1704	CW	tfc	'07

4.786,50	---	Errachidia Marocain Air Force, MRC	1837	FEC/100/400	tfc FRA	'08
4.786,50	---	Marocain Air Force Hahoui, MRC	1830	FEC/100/400	tfc FRA	'08
4.786,50	---	Marocain Air Force Rissani, MRC	1903	FEC/100/400	SEND MSG TO Errachidia	'08
4.787,00	FDI8	French Air Force Nice, FRA	1435	CW	vvv vvv vvv de fdi8 fdi8 fdi8 ar	'05
4.788,00	FDG	French Air Force Bordeaux, FRA	2039	RTTY 50/236	test de fdg voyez ryryryr qrt 2057	'06
4.789,50	---	US Army MARS net	1319	USB	voice	'07
4.790,00	DU9	unid	1710	UNID		'06
4.792,50	---	CIS Military	2334	MS-5/4800/USB	cipher	'06
4.794,00	---	unid	1833	CW		'08
4.794,00	D8HP	Russian Military	2030	CW	Bcasts msg D8HP QTC 338 29 15 338 = 041	'06
4.795,00	035	Hongarian Military, HNG	2017	MIL.STD 188-141A	clg 082	'08
4.795,00	082	Hongarian Forces, HNG	1917	MIL.STD 188-141A 08	clg "035"	'08
4.795,00	100	Hongarian Forces, HNG	0546	MIL.STD 188-141A 19	clg "035"	'07
4.795,00	100	Israeli Air Force	2150	MIL.STD 188-141A	clg 035	'06
4.796,00	---	unid	0620	CW	tfc	'07
4.796,00	NOGAT61	Polish Military	1944	MIL.STD 188-141A	to DLUGOPIS98 into USB	'07
4.796,00	TAN028	Polish Military	1754	MIL.STD 188-141A	clg KOS021	'07
4.797,35	---	unid	0535	FEC/100/170 30	tfc in cipher	'08
4.798,00	MI22	unid	1704	MIL.STD 188-141A	clg "HN22" then probable Military 188-110A	'05
4.798,00	YK22	Algerian Military ? LOC ?	0605	MIL.STD 188-141A	clg HN22	'07
4.800,00	---	unid ?	1705	COQUELET-8	test then soon QRT	'05
4.800,00	---	unid Military ? ?	0638	81 81 73/250		'07
4.800,00	---	unid	1951	USB	tfc FRA SIMPLEX @4801,4 COQUELET	'07
4.800,00	XS0	unid Algerian DRS Station, DZA	1936	MIL.STD 188-141A	clg XS3	'08
4.800,00	XS3	unid Algerian DRS Station, DZA	1908	MIL.STD 188-141A	clg XS0	'08
4.801,40	---	unid	2257	COQUELET-8 26,6 25	tfc in cipher SIMPLEX 1950 tfc in cipher	'07
4.801,40	---	ALG Customs	1840	COQUELET-8/50ms	encrypted msg	'07
4.802,00	NNN0SXP	USN-USMC MARS NCS	0120	USB	wkg NNN0LSK and others in the net Net ended at 0125Z	'05
4.803,00	---	NATO Tactical Air Defence Data System	2218	LINK-11/2250+2250/ISB TADIL-A		'05
4.803,00	---	unid	0943	STANAG-4285	on USB 300/L Asc7N1 marker "Essai RY's SG's fig"	'07
4.804,00	---	MARS Net	1300	USB	voice	'07
4.804,00	NNNOFAH	USN/USMC MARS in net operations	1407	USB	voice	'06
4.804,00	NNNOFQF	USN/USMC MARS Net	1325	USB	voice	'08
4.805,00	BS	Belgian Army unit	1150	USB	testing various antenna and tranceiver setups	'06
4.805,00	YH40	Algerian National Guard, DZA	0751	MIL.STD 188-141A	clg "YH56"	'08
4.805,00	YH43	Algerian National Guard, DZA	2247	MIL.STD 188-141AB	clg "ZT40"	'08
4.805,00	YH47	Algerian National Guard, DZA	0742	MIL.STD 188-141A	clg "YH50"	'08
4.805,00	YH48	Algerian National Guard, DZA	0556	MIL.STD 188-141AB	clg "YH50"	'08
4.805,00	YH50	Algerian National Guard, DZA	0744	MIL.STD 188-141A	clg "YH40"	'08
4.805,00	YH52	Algerian National Guard, DZA	0745	MIL.STD 188-141A	clg "YH48"	'08
4.805,00	YH53	Algerian National Guard, DZA	0806	MIL.STD 188-141A	clg "YH40"	'08
4.805,00	YH55	Algerian National Guard, DZA	0530	MIL.STD 188-141AB		'08
4.805,00	YH56	Algerian National Guard, DZA	0745	MIL.STD 188-141A	clg "YH40"	'08
4.805,00	ZT40	Algerian National Guard, DZA	2307	MIL.STD 188-141AB	clg "YH51" 2314 'clg "YH43"	'08
4.806,00	S62	unid	2332	MIL.STD 188-141A snd		'04
4.807,00	---	CIS Military	2024	BEE 36-50/50/200	TFC KRY	'08
4.808,00	---	French Forces	1828	CW	GRA //4475,0 //4548,5,00 TIME DATE BT: txt	'07
4.810,00	---	Military	0626	STANAG-4285/USB	tfc in cipher	'08
4.810,00	2013	Italian Carabinieri	2130	MIL.STD 188-141A	to 2009	'07
4.810,00	DRAGOT	DRAGOTIAR Albanian MOI/Military, ALB	1916	MIL.STD 188-141A	clg SELENICA	'07
4.810,00	DRAGOTI	DRAGOTIAR Albanian MOI/Military, ALB	1929	MIL.STD 188-141A	clg QESARAKU Qesarake	'07
4.810,20	---	unid station	2355	STANAG-4285/USB ACF=32		'06
4.810,50	---	unid German Air Force	1011	USB/EADS-Mahrs S/C-Burst	QSY to 4869.5kHz	'07
4.811,00	LACG	Russian Military	2004	CW	Message to S1NF	'06
4.811,00	OVTP	CIS Military	1800	CW	End of comms check IZAL de OVTP K	'05
4.812,50	---	CIS Military	1818	CW	tfc TWO TONES	'08
4.812,50	DHO78	German AF station	1211	USB	wkg DHJ67 DHJ77 DHJ83 DHO91 DHO98 1NM9 6LAF 8OEH	'06
4.815,50	4N7R	Polish Forces	0630	MIL.STD 188-141A	clg "AZWE"	'07
4.815,50	4XKM	Polish Forces	0604	MIL.STD 188-141A	clg "RBYG"	'07
4.815,50	AZWE	Polish Forces	0625	MIL.STD 188-141A	clg "PGID"	'07
4.815,50	BZWE	Serbian Army ? LOC ?	2002	MIL.STD 188-141A	clg PGID then 144-110A exchange 75/S - 150/S	'07

4.815,50	KG2QC	Polish Forces	0814	MIL.STD 188-141A	'[AQC SND][][TWS][KG2QC][AL0] BER 17 SN 04 NOISE 04'	'07
4.815,50	MJMD	Serbian Army ? LOC ?	1944	MIL.STD 188-141A	clg 4N7R 1951 1957 clng PGID	'07
4.815,50	PGID	Serbian Army ? LOC ?	1914	MIL.STD 188-141A	clg 4N7R Tfc follows in brief 141-110A msg 1200bps 2002	'07
4.815,50	RBYG	Polish Forces	0605	MIL.STD 188-110A/USB	SEND MSG TO "4XKM"	'07
4.815,50	VVAU	Serbian Army ? LOC ?	2008	MIL.STD 188-141A	Responds to YVBZ	'07
4.815,50	YTFE	Polish Military	1816	MIL.STD 188-141A	clg AZWE	'08
4.815,50	YVBZ	Serbian Army ? LOC ?	2008	MIL.STD 188-141A	clg VVAU then 144-110A exchange	'07
4.818,00	---	unid Russian Navy	1755	BEE 36-50/50/250	Continious mark signalor msg	'05
4.818,00	IAR	Rome Radio, ITA	2117	CW	ITU channel 804 + ARQ	'05
4.821,00	DETLEF	German or Austrian Military	1109	MIL.STD 188-141A	clg JUMBO	'07
4.822,00	ADMIRAL	Austrian Military	1453	MIL.STD 188-141A	clg SPAGAT 39tone after Handshake	'07
4.822,00	SPAGAT	Austrian Military	1502	MIL.STD 188-141A	clg RADIUS	'07
4.823,00	AAA	Israelian Air Force Tel Aviv	2037	MIL.STD 188-141A snd	tw	'05
4.823,00	EW5	Estonian Military	2017	MIL.STD 188-141A	to QA4 OT8	'05
4.823,00	QA4	Estonian Military	2027	MIL.STD 188-141A	to OT8	'05
4.824,00	BYDGOSZCZ	MOI Bydgoszcz	1230	MIL.STD 188-141A		'07
4.824,00	MOBILE2	Supp.or mobile MOI Station	1225	MIL.STD 188-141A		'07
4.825,00	NNNOGYW	USN/USMC MARS	1305	USB	voice Net	'07
4.826,00	1WPB	unid	0841	CW	ediv de lwpb qtc k 0906Z xxx xxx esup esup76415	'05
4.826,00	9LJ3	CIS Military	0604	CW	Comm ck with G6YL V5BN VY5V DFS9 QD6W 2DYY 5JZK	'07
4.826,00	VW7T	Ukrainian Military	0522	CW	Comm ck with AA1R SWC1 IOMU AMBG CT5A 8IHO ASOZ	'04
4.828,00	"P"	CIS Navy Beacon Kaliningrad, RUS	0612	CW	QRA	'07
4.828,00	---	CIS Military	2052	MS-5/4800/USB	In tfc prob. wkg with 5114 kHz	'07
4.830,00	---	unid	1518	CIS-300/300.1/820	Tentative Long bursts	'07
4.830,00	---	unid Italian Carabinieri	0351	MIL.STD 188-141A	to 2049	'07
4.830,00	2000	Italian Carabinieri, ITA	1943	MIL.STD 188-141A	clg 2047	'07
4.830,00	2013	Italian Carabinieri, ITA	1822	MIL.STD 188-141A over LSB	clg 204	'04
4.830,00	2049	Italian Carabinieri, ITA	1822	MIL.STD 188-141A over LSB	clg 201	'04
4.830,00	2052	Italian Carabinieri, ITA	1827	MIL.STD 188-141A	clg 205	'04
4.830,00	2056	Italian Carabinieri, ITA	1827	MIL.STD 188-141A	clg 205	'04
4.830,00	3000	Italian Carabinieri, ITA	1354	MIL.STD 188-141A	clg 2053	'07
4.830,00	6320	unid	0456	MIL.STD 188-141A snd		'07
4.830,00	IRA	tent Italian Carabinieri	0140	MIL.STD 188-141A	TO 2052	'07
4.830,00	QP0	unid	0633	MIL.STD 188-141A	clg SP00	'07
4.830,00	TSQ	tent Italian Carabinieri	0153	MIL.STD 188-141A	TO 2053 TRU WR2 TIS TSQ	'07
4.830,00	VP3	unid	0456	MIL.STD 188-141A	clg HP00	'07
4.831,50	---	unid German Air Force	1301	USB/EADS-Mahrs	S/C-Burst with connect	'07
4.831,50	---	ff ? unid Military ?	0753	CW	"n^2 ..." 5 letters group	'08
4.832,00	---	M51 French Forces	2021	CW	GRA TIME DATE BT: txt	'07
4.832,50	---	unid	1626	USB	Italian fisherman chat	'05
4.833,00	---	M51 French Forces	2310	CW	GRA //4931,0 //2346,5,00 'BT T R 70 J 30 CH2:21:32'	'08
4.833,50	---	RAF Volmet London, GBR	0550	USB	WX	'08
4.833,50	---	Swanwick Volmet, IRL	2130	USB	Wx // 5450/11253 04	'08
4.833,50	GM	unid UK Military ? station	0942	USB	wkg GXQ (RN Forest Moor) voice coord for data serials	'06
4.833,50	GR	unid UK Military ? station	0914	USB	wkg GXQ (RN Forest Moor) voice coord for data serials	'06
4.833,50	GXQ	UK Military ? station Whitehall ?	1310	USB	wkg GP voice coord for serials performed by GP	'06
4.834,00	---	CIS Military	2336	RUS-75/75/215	tfc in cipher	'08
4.835,00	COV	unid	1815	MIL.STD 188-141A	clg BTS	'08
4.835,00	HN12	Algerian MOI, DZA	2150	MIL.STD 188-141A	clg ZM10	'05
4.835,00	ILBIRS	unid	1255	MIL.STD 188-141A	to KALKAN tis ILBIRS	'08
4.835,00	R MARENON	unid Jaen Peru	1710	UNID	Spanish	'06
4.835,00	UL1?	Algerian Military ? LOC ?	2212	MIL.STD 188-141A	clg JU16	'07
4.835,00	VB0	unid	1950	MIL.STD 188-141A	clg MO6	'06
4.835,00	VB9	unid	1914	MIL.STD 188-141A	clg COV	'06
4.837,00	EMP	NG Emporia VA	0049	MIL.STD 188-141A		'07
4.837,00	GTC	NG Gate City VA	2323	MIL.STD 188-141A		'07
4.839,00	POZNAN	Polish MOI, POL	1336	MIL.STD 188-141A	clg WARSZAWA2	'05
4.839,00	WARSZAWA1	Polish Military	1247	MIL.STD 188-141A	clg POZNAN split ops? 04945.0 CIS LSB QRM on both QRGs	'05
4.839,00	WARSZAWA3	POL MSWIA Warszawa	1632	MIL.STD 188-141A snd		'08
4.840,00	ALPHA 1 BRAVO	US Army or NG net control	1359	LSB	voice	'05
4.840,00	IEA405	CC HELY NUCLEO Ancona/Falconara, ITA	0531	LSB	wkg IET31	'08

4.840,00	IET31	CC Bologna, ITA	0540	LSB	clg /wkg	'08
4.840,00	IET32	CC Ancona, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET33	CC Firenze, ITA	0814	LSB	wkg IET31	'08
4.840,00	IET34	CC Perugia, ITA	0815	LSB	wkg IET31	'08
4.840,00	IET56	CC Siena, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET560	CC Jesi, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET561	CC Abbadia san Salvatore, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET562	CC Montepulciano, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET563	CC Osimo, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET57	CC Macerata, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET570	CC Camerino, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET571	CC Tolentino, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET572	CC Civitanova Marche, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET573	CC Porto Recanati, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET58	CC Pesaro, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET580	CC Fano, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET581	CC Novafeltria, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET582	CC Fossombrone, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET583	CC Pergola, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET584	CC Urbino, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET59	CC Ascoli Piceno, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET590	CC Fermo, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET591	CC San Benedetto del Tronto, ITA	0530	LSB	wkg IET31	'08
4.840,00	IET592	CC Montegiorgio, ITA	0530	LSB	wkg IET31	'08
4.840,00	ROUNDUP	German Air Force CRC Brockzetel	1115	USB	wkg B5D (GN vessel) Cross-Tell excersise	'06
4.840,50	---	CIS Military	2157	MS-5/4480/USB	cipher	'05
4.844,00	---	CIS: Military	0723	CIS-75/75/250	tfc in cipher	'08
4.847,80	IEA20	CC Roma, ITA	0711	RTTY 50/170	tfc in cipher //7595,8	'08
4.848,00	---	Swanwick Volmet, GBR	2020	USB	YL/Volmet Another "new" freq	'07
4.848,00	TC2Z3	US Army, IRQ	2158	MIL.STD 188-141A snd		'07
4.850,00	0709	unid	0925	MIL.STD 188-141A snd over LSB		'08
4.850,00	0801	CC, ITA	0953	MIL.STD 188-141A over LSB	clg "0710"	'08
4.850,00	1000	unid	1902	MIL.STD 188-141A snd over LSB	sounds several times	'06
4.850,00	1800	unid Italian Carabinieri ?	2052	MIL.STD 188-141A snd over LSB	Also at 2251 0050 0249 0448 24	'06
4.850,00	2BT	Georgian Military	2314	MIL.STD 188-141A	clg 4BR	'08
4.850,00	DRAGOTIAR	Albanian MOI/Military, ALB	1839	MIL.STD 188-141A	clg DAMESI	'07
4.850,00	IEA..	CC, ITA	0706	MIL.STD 188-141A over LSB	clg "1604"	'08
4.850,00	IEA20	CC Roma, ITA	0830	LSB	clg/wkg	'08
4.850,00	IEA21	CC Torino, ITA	0830	LSB	wkg IEA20	'08
4.850,00	IEA22	CC Genova, ITA	0830	LSB	wkg IEA20	'08
4.850,00	IEA23	CC Milano, ITA	0831	LSB	wkg IEA20	'08
4.850,00	IEA24	CC Venezia, ITA	0831	LSB	wkg IEA20	'08
4.850,00	IEA240	CC Venezia, ITA BTG	0833	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA25	CC Bolzano, ITA	0831	LSB	wkg IEA20	'08
4.850,00	IEA26	CC Padova, ITA	0832	LSB	wkg IEA20	'08
4.850,00	IEA414	CC HELY NUCLEO Venezia Tessera, ITA	0741	LSB	clg/wkg IEA24	'08
4.850,00	IEA500	CC Sarajevo, BIH	0838	LSB	wkg Roma	'08
4.850,00	IEA711	CC Viadana, ITA	0926	LSB	wkg IEA20	'08
4.850,00	IEA76	CC Venezia, ITA	0756	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA760	CC, ITA	0758	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA77	CC Verona, ITA	0800	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA770	CC, ITA	0800	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA773	CC, ITA	0804	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA78	CC Vicenza, ITA	0805	LSB	wkg IEA24 DIP IEA24/0806 wkg IEA20	'08
4.850,00	IEA780	CC Bassano del Grappa, ITA	0806	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA781	CC, ITA	0807	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA782	CC, ITA	0807	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA783	CC Thiene, ITA	0809	LSB	wkg IEA20 DIP IEA24	'08
4.850,00	IEA79	CC Treviso, ITA	0817	LSB	wkg IEA20 DIP IEA24	'08
4.850,00	IEA791	CC Vittorio Veneto, ITA	0810	LSB	wkg IEA24 DIP IEA24	'08
4.850,00	IEA792	CC, ITA	0810	LSB	wkg IEA24 DIP IEA24	'08

4.850,00	IEA81	CC Venezia, ITA	0818	LSB	wkg	IEA24	DIP	IEA24	'08
4.850,00	IEA810	CC Mestre, ITA	0820	LSB	wkg	IEA24	DIP	IEA24	'08
4.850,00	IEA811	CC P., ITA	0821	LSB	clg/wkg	IEA24	DIP	IEA24	'08
4.850,00	IEA82	CC Rovigo, ITA	0819	LSB	wkg	IEA24	DIP	IEA24	'08
4.850,00	IEA820	CC Adria, ITA	0824	LSB	wkg	IEA24	DIP	IEA24	'08
4.850,00	IEA821	CC Castelmassa, ITA	0824	LSB	wkg	IEA24	DIP	IEA24	'08
4.850,00	IEA86	CC Belluno, ITA	0825	LSB	wkg	IEA24	DIP	IEA24	'08
4.850,00	IEA860	CC Bassano del Grappa, ITA	0825	LSB	wkg	IEA86	DIP	IEA24	'08
4.850,00	IEA861	CC Cortina D' Ampezzo, ITA	0827	LSB	wkg	IEA24	DIP	IEA24	'08
4.850,00	IEA87	CC Udine, ITA	0728	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA870	CC Tolmezzo, ITA	0728	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA871	CC Palmanova, ITA	0729	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA872	CC Tarvisio, ITA	0727	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA873	CC Cividale De Friuli, ITA	0736	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA874	CC L., ITA	0737	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA88	CC Pordenone, ITA	0739	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA880	CC Sacile, ITA	0739	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA89	CC Gorizia, ITA	0735	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA890	CC Monfalcone, ITA	0735	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA891	CC Gradisca di Isonzo, ITA	0736	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA91	CC Trieste, ITA	0732	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA910	CC Muggia, ITA	0735	LSB	wkg	IEA910	DIP	IEA26	'08
4.850,00	IEA911	CC Aurisina, ITA	0730	LSB	wkg	IEA26	DIP	IEA26	'08
4.850,00	IEA946	CC SHIP CONTROL ? Venezia, ITA	0832	LSB	wkg	IEA24	DIP	IEA24	'08
4.850,00	IET31	CC Bologna, ITA	0832	LSB	wkg	IEA20			'08
4.850,00	IET31L	CC LABOR 31 Bologna, ITA	0740	LSB	clg/wkg	IEA20			'08
4.850,00	IET32	CC Ancona, ITA	0832	LSB	wkg	IEA20			'08
4.850,00	IET33	CC Firenze, ITA	0833	LSB	wkg	IEA20			'08
4.850,00	IET34	CC Perugia, ITA	0833	LSB	wkg	IEA20			'08
4.850,00	IET35	CC Roma, ITA	0833	LSB	wkg	IEA20			'08
4.850,00	IET36	CC Cagliari, ITA	0833	LSB	wkg	IEA20			'08
4.850,00	IET51	CC Bologna, ITA	0831	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET510	CC Imola, ITA	0831	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET511	CC San Giovanni in Persiceto, ITA	0831	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET512	CC unid, ITA	0832	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET513	CC unid, ITA	0832	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET514	CC unid, ITA	0833	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET52	CC Ferrara, ITA	0833	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET520	CC Portomaggiore, ITA	0833	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET521	CC unid, ITA	0834	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET522	CC Cento, ITA	0834	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET53	CC Ravenna, ITA	0835	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET530	CC Faenza, ITA	0835	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET531	CC Lugo di Romagna, ITA	0835	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET532	CC Cervia, ITA	0836	LSB	wkg	IET31	DIP	IET31	'08
4.850,00	IET54	CC Forli, ITA	0836	LSB	wkg	IET64	DIP	IET31	'08
4.850,00	IET540	CC Cesena, ITA	0836	LSB	wkg	IET64	DIP	IET31	'08
4.850,00	IET542	CC Cesenatico, ITA	0837	LSB	wkg	IET64	DIP	IET31	'08
4.850,00	IET543	CC Meldola, ITA	0837	LSB	wkg	IET64	DIP	IET31	'08
4.850,00	IET55	CC Rimini, ITA	0838	LSB	wkg	IET64	DIP	IET31	'08
4.850,00	IET550	CC unid, ITA	0838	LSB	wkg	IET64	DIP	IET31	'08
4.850,00	IET551	CC unid, ITA	0839	LSB	wkg	IET64	DIP	IET31	'08
4.850,00	IET560	CC Jesi, ITA	0756	LSB	wkg	IEA20	DIP	IET32	'08
4.850,00	IET561	CC Abbadia san Salvatore, ITA	0756	LSB	wkg	IEA20	DIP	IET32	'08
4.850,00	IET562	CC Montepulciano, ITA	0756	LSB	wkg	IEA20	DIP	IET32	'08
4.850,00	IET57	CC Macerata, ITA	0751	LSB	wkg	IEA59	DIP	IET32	'08
4.850,00	IET570	CC Camerino, ITA	0751	LSB	wkg	IEA59	DIP	IET32	'08
4.850,00	IET571	CC Tolentino, ITA	0751	LSB	wkg	IEA59	DIP	IET32	'08
4.850,00	IET572	CC Civitanova Marche, ITA	0824	LSB	wkg	IEA20	DIP	IET32	'08
4.850,00	IET58	CC Pesaro, ITA	0759	LSB	wkg	IEA20	DIP	IET32	'08
4.850,00	IET582	CC Fossombrone, ITA	0825	LSB	wkg	IEA20	DIP	IET32	'08

4.850,00	IET59	CC Ascoli Picieno, ITA	0748	LSB	clg/wkg IEA20 DIP IET32	'08
4.850,00	IET590	CC Fermo, ITA	0754	LSB	wkg IEA59 DIP IET32	'08
4.850,00	IET61	CC Parma, ITA	0839	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET610	unid	0840	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET611	unid	0840	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET612	CC Borgo val Taro, ITA	0841	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET62	unid	0841	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET620	unid	0841	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET63	CC Grosseto, ITA	0844	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET64	CC Modena, ITA	0828	LSB	wkg IEA20 DIP IET31/0830 wkg IET31	'08
4.850,00	IET640	CC Carpi, ITA	0844	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET641	CC Sassuolo, ITA	0845	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET642	CC unid, ITA	0845	LSB	wkg IET64 DIP IET31	'08
4.850,00	IET77	CC Perugia, ITA	0815	LSB	clg IEA20 DIP IET34/0816 clg IET34	'08
4.850,00	IET773	CC Foligno, ITA	0829	LSB	clg/wkg IEA20 DIP IET34	'08
4.850,00	IET774	CC Assisi, ITA	0850	LSB	clg/wkg IEA20 DIP IET34	'08
4.850,00	IET776	CC Todi, ITA	0832	LSB	wkg IET34 DIP IET34/0833 clg/wkg IEA20	'08
4.850,00	IET777	CC Norcia, ITA	0828	LSB	wkg IEA20 DIP IET34	'08
4.850,00	IET78	CC Terni, ITA	0908	LSB	clg/wkg IEA20 DIP IET34	'08
4.850,00	IET780	CC Orvieto, ITA	0844	LSB	wkg IET34 DIP IET34	'08
4.850,00	IET781	CC Amelia, ITA	0837	LSB	clg IEA20 DIP IET34	'08
4.850,00	IET79	CC Roma, ITA	0904	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET790	CC Civitavecchia, ITA	0905	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET791	CC Tivoli, ITA	0914	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET792	CC Monte Rotondo, ITA	0908	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET793	CC Bracciano, ITA	0910	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET794	CC Subiaco, ITA	0907	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET81	CC Frascati, ITA	0910	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET810	CC Roma Ostia, ITA	0911	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET811	CC Velletri, ITA	0911	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET812	CC Roma Casilina, ITA	0912	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET813	CC Roma Castel Gandolfo, ITA	0913	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET814	CC Colleferro, ITA	0913	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET815	CC Pomezia, ITA	0919	LSB	wkg IEA20 DIP IET35	'08
4.850,00	IET816	CC Palestrina, ITA	0912	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET82	CC Frosinone, ITA	0914	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET821	CC Sora, ITA	0916	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET823	CC Anagni, ITA	0917	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET831	CC Gaeta, ITA	0933	LSB	wkg IEA20 DIP IET35	'08
4.850,00	IET834	CC Terracina, ITA	0920	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET840	CC Cittaducale, ITA	0931	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET841	CC Poggio Mireto, ITA	0923	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET85	unid	0903	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET86	CC Viterbo, ITA	0901	LSB	clg/wkg IET35 DIP IET35	'08
4.850,00	IET860	CC Montefiascone, ITA	0922	LSB	wkg IEA20 DIP IET35 0925 wkg IE786	'08
4.850,00	IET861	CC Civita Castellana, ITA	0928	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET862	CC Ronciglione, ITA	0928	LSB	wkg IET86 DIP IET35	'08
4.850,00	IET863	CC Tuscania, ITA	0927	LSB	wkg IET86 DIP IET35	'08
4.850,00	IEU41	CC Napoli, ITA	0834	LSB	wkg IEA20	'08
4.850,00	IEU42	CC Catanzaro, ITA	0834	LSB	wkg IEA20	'08
4.850,00	IEU43	CC Bari, ITA	0834	LSB	wkg IEA20	'08
4.850,00	IEU44	CC Pescara, ITA	0834	LSB	wkg IEA20	'08
4.850,00	IEU45	CC Palermo, ITA	0835	LSB	wkg IEA20	'08
4.850,00	IEU46	CC Campobasso, ITA	0835	LSB	wkg IEA20	'08
4.850,00	IEU63	CC Potenza, ITA	0835	LSB	wkg IEA20	'08
4.850,90	---	unid station	2242	MS-5/4800/DPSK/USB	tfc	'06
4.852,00	---	CIS Military	2150	MS-5/4800/USB	In tfc	'08
4.852,50	1HQU	German Air Force Trainee	1230	USB	clg DHO91 Kdo 1 LwDiv/GAFSCS "S" Karlsruhe	'06
4.852,50	DHO91	German Air Force Trainee	1221	USB	Kdo 1 LwDiv/GAFSCS "S" Karlsruhe Trainee clg DHO78	'06
4.852,50	W949	German Air Force Trainee	1226	USB	clg DHO98 Trainee for Routine Msg	'06
4.854,80	---	unid French Forces	0502	USB	fran test pour reglage rx ..	'05

4.855,00	1001	La Protection Civile Marocaine, MRC	2328	MIL.STD 188-141A			'07
4.855,00	1002	Ministry of Interior, MRC	2212	MIL.STD 188-141A snd			'08
4.855,00	1007	unid	2118	MIL.STD 188-141A		clg 1305	'07
4.855,00	101	Protection Civile Marocaine, MRC	2329	MIL.STD 188-141A		clg 1001	'08
4.855,00	1011	Protection Civile Marocaine, MRC	1826	MIL.STD 188-141A		clg 1322	'06
4.855,00	10111	Moi/Direction de la Protection Civile, MRC	1955	MIL.STD 188-141A		clg 1117	'07
4.855,00	110	Ministry of Interior, MRC	0153	MIL.STD 188-141A snd		clg 1112	'08
4.855,00	110	Protection Civile Marocaine, MRC	0841	MIL.STD 188-141A snd			'07
4.855,00	11031	Moroccan Civil Defence, MRC	1758	MIL.STD 188-141A and			'07
4.855,00	11031	unid	2106	MIL.STD 188-141A snd			'07
4.855,00	11043	Moi/Direction de la Protection Civile, MRC	1805	MIL.STD 188-141A snd			'07
4.855,00	1106	Protection Civile Marocaine, MRC	1719	MIL.STD 188-141A snd			'06
4.855,00	11064	Ministry of Interior, MRC	0118	MIL.STD 188-141A snd			'08
4.855,00	1108	Moi/Direction de la Protection Civile, MRC	1930	MIL.STD 188-141A snd			'07
4.855,00	11111	unid	2300	MIL.STD 188-141A snd			'07
4.855,00	11113	unid	2313	MIL.STD 188-141A snd			'07
4.855,00	1113	Protection Civile Marocaine, MRC	1733	MIL.STD 188-141A snd			'07
4.855,00	11141	unid	2229	MIL.STD 188-141A snd			'07
4.855,00	11142	unid	2253	MIL.STD 188-141A snd			'07
4.855,00	11161	Moi/Direction de la Protection Civile, MRC	1636	MIL.STD 188-141A snd			'07
4.855,00	11163	Ministry of Interior, MRC	0127	MIL.STD 188-141A snd			'08
4.855,00	1118	Protection Civile Marocaine, MRC	2334	MIL.STD 188-141A snd			'07
4.855,00	130	Moroccan Civil Defence, MRC	1758	MIL.STD 188-141A		clg 1313	'07
4.855,00	13011	Protection Civile Marocaine, MRC	2102	MIL.STD 188-141A snd			'07
4.855,00	130111	Moroccan Civil Defence, MRC	1809	MIL.STD 188-141A		calls 13171 at 18 32 2002 sounds at 1845	'07
4.855,00	1302	unid	2307	MIL.STD 188-141A snd			'07
4.855,00	13021	unid	2308	MIL.STD 188-141A snd			'04
4.855,00	1303	Moroccan Civil Defence, MRC	2103	MIL.STD 188-141A snd			'07
4.855,00	1304	Ministry of Interior, MRC	0332	MIL.STD 188-141A snd			'08
4.855,00	13041	unid	2048	MIL.STD 188-141A snd			'07
4.855,00	13052	Ministry of Interior, MRC	0622	MIL.STD 188-141A snd			'08
4.855,00	1307	unid	2212	MIL.STD 188-141A snd			'04
4.855,00	1308	unid	2300	MIL.STD 188-141A snd			'07
4.855,00	13081	unid	0812	MIL.STD 188-141A snd			'06
4.855,00	13082	Moi/Direction de la Protection Civile, MRC	2315	MIL.STD 188-141A snd			'07
4.855,00	13112	unid	1703	MIL.STD 188-141A snd			'04
4.855,00	1312	Protection Civile Marocaine, MRC	2039	MIL.STD 188-141A snd			'06
4.855,00	13132	Protection Civile Marocaine, MRC	0445	MIL.STD 188-141A snd			'07
4.855,00	1314	unid	2322	MIL.STD 188-141A snd			'07
4.855,00	1315	Moi/Direction de la Protection Civile, MRC	1933	MIL.STD 188-141A snd			'07
4.855,00	13151	Moi/Direction de la Protection Civile, MRC	2301	MIL.STD 188-141A snd			'06
4.855,00	1318	Protection Civile Marocaine, MRC	2330	MIL.STD 188-141A snd			'08
4.855,00	13181	unid	1704	MIL.STD 188-141A snd			'04
4.855,00	13182	Moroccan Civil Defence, MRC	0236	MIL.STD 188-141A snd			'07
4.855,00	1319	Moi/Direction de la Protection Civile, MRC	2253	MIL.STD 188-141A snd			'06
4.855,00	132	unid	2125	MIL.STD 188-141A snd			'07
4.855,00	1321	Moi/Direction de la Protection Civile, MRC	2259	MIL.STD 188-141A snd			'06
4.855,00	13221	unid	1708	MIL.STD 188-141A snd			'04
4.855,00	1323	unid	2153	MIL.STD 188-141A snd			'05
4.855,00	1324	Protection Civile Marocaine, MRC	2158	MIL.STD 188-141A snd		Also 2001	'06
4.855,00	13241	unid	2117	MIL.STD 188-141A snd			'07
4.855,00	1325	unid	2125	MIL.STD 188-141A snd			'07
4.855,00	13252	Moroccan Civil Defence, MRC	0248	MIL.STD 188-141A snd			'07
4.855,00	13262	Moroccan Civil Defence, MRC	1741	MIL.STD 188-141A snd			'07
4.855,00	200	unid	0713	MIL.STD 188-141A snd			'06
4.855,00	2001	Protection Civile Marocaine, MRC	2213	MIL.STD 188-141A clg		2203 1001 & 1313 also seen	'06
4.855,00	2002	Protection Civile Marocaine, MRC	1951	MIL.STD 188-141A snd			'07
4.855,00	2011	Protection Civile Marocaine, MRC	1726	MIL.STD 188-141A		to 251	'07
4.855,00	2203	Moi/Direction de la Protection Civile, MRC	2259	MIL.STD 188-141A snd			'06
4.855,00	2204	Protection Civile Marocaine, MRC	2146	MIL.STD 188-141A snd			'06
4.855,00	2211	Moi/Direction de la Protection Civile, MRC	2255	MIL.STD 188-141A snd			'06

4.855,00	2212	unid	1832	MIL.STD 188-141A	snd		'06
4.855,00	2214	Ministry of Interior, MRC	0403	MIL.STD 188-141A	snd		'08
4.855,00	2215	unid	2232	MIL.STD 188-141A	snd		'07
4.855,00	2216	Protection Civile Marocaine, MRC	2332	MIL.STD 188-141A	snd		'07
4.855,00	2401	unid	2246	MIL.STD 188-141A	snd		'07
4.855,00	2402	unid	2340	MIL.STD 188-141A	snd		'07
4.855,00	2406	Protection Civile Marocaine, MRC	2335	MIL.STD 188-141A	snd		'07
4.855,00	2407	Moi/Direction de la Protection Civile, MRC	1812	MIL.STD 188-141A	snd		'07
4.855,00	2408	Protection Civile Marocaine, MRC	2110	MIL.STD 188-141A		clg 3001 and 2408 130 calls 2001 2001 calls 2201	'08
4.855,00	2409	unid	2239	MIL.STD 188-141A	snd		'07
4.855,00	2411	Protection Civile Marocaine, MRC	2338	MIL.STD 188-141A	snd		'06
4.855,00	2412	Protection Civile Marocaine, MRC	2333	MIL.STD 188-141A	snd		'07
4.855,00	2414	Moi/Direction de la Protection Civile, MRC	2250	MIL.STD 188-141A	snd		'06
4.855,00	2416	Ministry of Interior, MRC	0202	MIL.STD 188-141A	snd		'08
4.855,00	2417	Ministry of Interior, MRC	0647	MIL.STD 188-141A	snd		'08
4.855,00	2512	Moi/Direction de la Protection Civile, MRC	1928	MIL.STD 188-141A	snd		'07
4.855,00	2519	Moi/Direction de la Protection Civile, MRC	1833	MIL.STD 188-141A		clg 2011	'07
4.855,00	2526	Protection Civile Marocaine, MRC	1951	MIL.STD 188-141A		arab d/x with bip/c 252	'08
4.855,00	2661	Protection Civile Marocaine, MRC	2139	MIL.STD 188-141A	snd		'06
4.855,00	3001	unid	2232	MIL.STD 188-141A	snd		'04
4.855,00	3061	unid	2158	MIL.STD 188-141A	snd		'04
4.855,00	3062	unid	2218	MIL.STD 188-141A	snd		'04
4.855,00	795	unid	1314	MIL.STD 188-141A	snd		'04
4.855,00	8551	unid	2313	MIL.STD 188-141A	snd		'04
4.855,00	AFRTS	Roosevelt Roads, PTR ?	1328	USB		Military Feeder Ex Fax Frequ.?	'06
4.855,00	FAV22	CSTEI Favieres Vernon, FRA	2110	CW		GRA 'BT NR 71 F 19 22	'08
4.855,00	LION	unid	0003	MIL.STD 188-141A		to TIGER w/out LQA who replied	'08
4.855,50	2001	unid	2305	MIL.STD 188-141A		was 1155 also 2305 2211 2405 2519,1315 1303 2514	'05
4.856,00	---	unid FDI ?	1835	CW		cipher	'07
4.856,00	---	fishermen	0810	USB		fr d/x night outcome.	'07
4.856,00	FAV22	CSTEI Favieres Vernon, FRA	2021	CW		NR 29A 04 22 22 20 47 1990 = CXBEC RGMVH	'07
4.856,50	GRFTOC	unid Tact.Op Center 1	0931	MIL.STD 188-141A	snd		'07
4.857,00	fdi8	French Air Force Nice, FRA	1703	RTTY 50/40			'06
4.858,00	---	CIS Military	2050	BEE 36-50/50/200		tfc in cipher	'08
4.858,50	---	unid	1623	CW		tfc	'07
4.860,00	---	Military	1757	NATO-75/75/850		tfc in cipher	'08
4.860,00	MGT	RN/NATO	0920	RTTY 75/850Hz		"RYRYRY VMGTCNJBH ON PL TXTB GT I JD OCON F TA5480"	'05
4.860,00	NYZ	prob. Chinese Military	2118	CW		Normal sked //6840 rough note and unstable	'05
4.860,00	Q2M	prob. Chinese Military	2120	CW		Keeps normal sked // 6840 jumping to 6840.1 QSA? K	'05
4.866,00	C35	Israelian Air Force	1705	MIL.STD 188-141A		clg AAA-NCS	'07
4.866,00	EW	unid SWE ?	1732	MIL.STD 188-141A		wkg WI Cryptic AMDs with some Swedish-looking ASCII text	'06
4.866,00	WI	unid SWE ?	1732	MIL.STD 188-141A		wkg EW AMDs with Swedish? words "kontrollera" "hugget!"	'06
4.866,00	WI1	unid Swed net	1526	MIL.STD 188-141A		clg WI	'06
4.868,30	3NA	unid	1936	CW		Periodic marker high spd 1940 "1FR de 3NA k"	'07
4.870,00	---	fishermen	0925	USB		fr d/x	'07
4.870,00	NAT	unid	1813	MIL.STD 188-141A		clg 1ST	'06
4.870,00	QC31	Algerian Military, DZA	2310	MIL.STD 188-141A		clg UM32	'06
4.874,00	FAV22 ?	CSTEI Favieres Vernon, FRA	0304	CW		"NR 88, DEU 27 04 04 44 1984 BT ..." 5LGs	'07
4.874,00	RIR99	RUS unid	2057	CW		clg/wkg RJE65/GRA	'07
4.874,00	TRBO2	Guardia Civil unid Loc ?	1754	MIL-188-141A		clg TXX1 Valdemoro 1	'05
4.874,00	TWBE2	Guardia Civil Teruel, ESP ?	0741	MIL.STD 188-141A		clg TXX2	'05
4.874,00	TWBG2	Guardia Civil Girona, ESP	0811	MIL.STD 188-141A 15		clg "TXX2"	'07
4.874,00	TWBH2	Guardia Civil	1352	MIL.STD 188-141A		clg TXX2 Madrid	'06
4.874,00	TWBL2	Guardia Civil	1017	MIL.STD 188-141A		clg TXX2 Madrid	'07
4.874,00	TWCR2	Guardia Civil	1746	MIL.STD 188-141A		clg TXX1 Madrid	'06
4.874,00	TWLC2	Guardia Civil Santader, ESP	2157	MIL.STD 188-141A		clg TXX1 Madrid, ESP	'08
4.874,00	TWLC2	Guardia Civil Cantabria, ESP	1946	MIL.STD 188-141A		clg "TXX1" 1956,2006,2036,2056,2106,2126,2136,2146,2156	'08
4.874,00	TWVA2	Guardia Civil Leon	0959	MIL.STD 188-141A		clg TXX2 Madrid also noted on 4561 5847 and 5892	'06
4.874,00	TWVB2	Guardia Civil Burgos, ESP	2029	MIL.STD 188 -141A		clg TWBT2 GC Tarragona, ESP	'05
4.874,00	TWVL2	Guardia Civil	2000	MIL.STD 188-141A		clg TXX2/Valdemoro	'06
4.874,00	TWVS2	Guardia Civil Salamanca	1638	MIL.STD 188-141A		clg TWVA2 Avila	'07

4.874,00	TXK1	Guardia Civil.Madrid, ESP	1953	MIL.STD 188-141A	clg "TWLC2"	'08
4.874,00	TXK2	Guardia Civil Madrid	1627	MIL.STD 188-141A	clg TWBL2 Lleida	'07
4.874,00	TYMC2	Guardia Civil Caceres	1640	MIL.STD 188-141A	clg TXK2 Madrid	'06
4.874,00	TYMT2	Guardia Civil	2005	MIL.STD 188-141A	clg TXK2 Madrid 20	'06
4.874,00	TYMV2	Guardia CivilCuenca, ESP	2025	MIL.STD 188-141A	clg "TXK"	'07
4.874,00	TZSJ2	Guardia Civil Jaen	2021	MIL.STD 188-141A	clg TXK1 Madrid	'08
4.876,00	---	French Forces	2158	CW	GRA //5765,5,00 'BT NR 42 F CH6 23:08:58 1980 BT'	'08
4.877,50	FDG	French Airforce Bordeaux	1916	RTTY 50/170	Marker "Test de FDG"	'05
4.877,50	FDI8	French Air Force Nice	1544	RTTY 50/40		'06
4.878,00	---	CIS Military	1849	RUS-75/75/250 24		'07
4.878,00	1T3	unid	1710	CW	tfc in cipher	'07
4.879,00	AN2	Swed.Mil prob. Homeguard	1449	MIL.STD 188-141A	TAF1 TW2 ME TAR4 TEPP 4UT/MET AR9 3/4 NET=K T/G	'07
4.879,00	AN24	Swed.Mil prob. Homeguard	1452	MIL.STD 188-141A	clg VK00	'08
4.879,00	BOD90	Swedish Military prob. Boden	1924	MIL.STD 188-141A	clg VK00	'08
4.879,50	WSPAN	Water Safty Pol HQ Oldenburg, DEU	1258	MIL.STD 188-141A snd	clg VE00 prob. Venjan	'07
4.880,00	---	Mossad Tel Aviv, ISR	2146	USB	YL in 5LG tfc Being jammed - sweep jammer	'05
4.880,00	JBP	unid	0116	MIL.STD 188-141A snd		'05
4.880,00	JCP	unid	0021	MIL.STD 188-141A	wkg RFP	'05
4.880,00	ULX	Mossad Tel Aviv, ISR	2103	USB	msg grp99 NFRMC	'05
4.880,00	ULX1	Mossad Tel Aviv, ISR	1801	USB	null msg	'06
4.880,00	ULX2	Mossad Tel Aviv, ISR	0230	USB	Sparks	'06
4.880,00	VLB2	Mossad Tel Aviv, ISR	1900	USB	repeated	'05
4.882,00	ULX2	Mossad Tel Aviv, ISR	2003	USB	XYL with ULX2 callup	'05
4.883,00	---	CIS Military CIS	1944	81-81 81/225	tfc in cipher	'07
4.885,02	---	CSTEI Favières France Morse Training	2130	CW	FOPRE DDXNF NR 16 26 21 1980 BT VYDDD BEHFA In QRM	'08
4.887,00	---	unid dig	1710	TADIRAN	scrambled voice under broadcast QRM	'06
4.890,00	---	unid Italian Carabinieri	2321	MIL.STD 188-141A	to 2084	'07
4.890,35	---	unid	1733	FSK 150/500	tfc in cipher	'07
4.890,50	---	unid LZ-Station	2015	FACTOR-I 100/	Calling LZ8IM No cnt	'05
4.890,50	LZ8IM	prob. Bulgarian	1955	FACTOR-I-8 100/	clg LZ1IM snd, FACTOR-II-8	'05
4.892,00	1PSPECNET212	Polish Military Net-212	1210	MIL.STD 188-141A	clg ZBBNET212 flwd by Serial Tone	'08
4.892,50	FAV22 ?	CSTEI Favieres Vernon, FRA	0310	CW	5LGs	'07
4.893,50	TF1	unid	0948	MIL.STD 188-141A	clg TF2	'08
4.895,00	---	unid VFT	2045	ARQ-E/46/200 4-CHAN VFT /200	No tfc betas only	'07
4.897,00	---	unid	0708	UNID 20/ ?	slow moving on frequency signal ?	'08
4.897,40	---	prob. Naval Net	0840	FEC 100/150	encr.txt, QSX 5829.4kHz	'08
4.898,00	---	unid	0814	USB	czech? yl alpha codes suite	'06
4.899,00	"P"	CIS Navy Kaliningrad	1449	CW	Single letter (P) hf beacon	'07
4.899,50	---	unid	0620	CW	tfc	'07
4.900,00	---	unid	2050	MIL.STD 188-141A	to RFP	'07
4.900,00	---	fishermen	2048	USB	d/x span qso?	'05
4.900,00	---	unid Italian prob. Pirates	1355	AM	OMs/II sx talks abt technical Radio topics	'08
4.900,00	2LG	unid Italian	1945	LSB/AM OM/II	sx with "3DZ" ? "1 ALPHA TANGO" etc	'07
4.900,00	EXPJANKOVIC	Polish Military, POL	2135	MIL.STD 188-141A	Bunid Border Cross point Hani I Elizet clg OPERACYJNY	'07
4.900,00	CODRU	Romanian Army,ROU	1841	MIL.STD 188-141AB	Contacts IZVOR.	'08
4.900,00	JCI	unid Saudi-Arabian Net	2035	MIL.STD 188-141A over LSB	to RFI	'07
4.900,00	JCN	unid Saudi-Arabian Net	2106	MIL.STD 188-141A over LSB	to RFI	'07
4.900,00	JCP	unid Pos Saudi net	1737	MIL.STD 188-141A	clg RFP	'06
4.900,00	JCU	unid	1918	MIL.STD 188-141A	clg RFU	'07
4.900,00	RFU	ARS Air Def.Station	1941	MIL.STD 188-141A/LSB/BR6028	tws	'07
4.900,00	SIERRA SIERRA	Italian Navy	1955	UNID	OM II clg PAPA CHARLY Navy vessel short-cut calls?	'07
4.900,00	TOCSOT	unid	2003	MIL.STD 188-141A	to EODSOTGB	'07
4.900,50	1474	unid Arab voice net	0345	MIL.STD 188-141A snd		'08
4.900,50	1506	unid Arab voice net	0345	MIL.STD 188-141A snd		'05
4.900,50	1581	unid Arab voice net	1945	MIL.STD 188-141A snd		'08
4.900,50	1601	unid Arab voice net	2342	MIL.STD 188-141A	clg 4066	'08
4.900,50	1704	unid	2220	MIL.STD 188-141A snd		'07
4.900,50	1912	unid Arab voice net	0338	MIL.STD 188-141A	clg 1966 20	'05
4.900,50	20101	unid	2033	MIL.STD 188-141A snd		'07
4.900,50	3029	unid	2055	MIL.STD 188-141A snd		'05
4.900,50	5502	unid	2058	MIL.STD 188-141A snd		'05

4.901,00	C30	unid MWT-Net	1203	MIL.STD 188-141A	clg P20	'08
4.901,00	M10	unid MWT-Net	1120	MIL.STD 188-141A snd		'08
4.902,50	---	unid	1212	UNID 240//120/FEC-A 192/	no reply	'07
4.905,00	025	unid Illicit	2001	CW	Repeats 025 then 639 639 3030 = = 0466 ...60	'08
4.906,00	EK9	unid	0508	MIL.STD 188-141A	to GEF w/LQA answer to LQA duplex?	'08
4.906,60	---	JEAC	1814	BR6028/ARQ-E 46.2/170 7CH/USB	IDLE ON BOTH CH	'08
4.906,70	---	unid SDA	2129	BR6028/7*46.1/170	Pilot on 500 Hz 7 Channels with ARQ-E/46.1/~170	'08
4.907,00	---	unid	2255	multitone system	maybe 14 tones bad signal record available	'05
4.907,00	NIK	prob. Nikki WA	1910	MIL.STD 188-141A over LSB	clg from unid prob. BENIN	'07
4.907,10	---	JEAC	2115	BR6028/USB/ARQ-E/46.2/170 6CH	IDLE ON BOTH CH	'08
4.908,50	---	unid German Air Force or Ny	1418	3xFec-A/192Bd encr		'07
4.909,00	S5ZFK	unid	0742	CW	2 om hand cw	'06
4.909,50	---	CIS Military	2223	MS-5/4800/DPSK/USB	cipher	'05
4.910,00	---	Saudi Arabian Military	2047	MIL.STD 188-141A	clg JCP	'06
4.910,00	2221	Prob Moroccan Army	1832	MIL.STD 188-141AB snd		'08
4.910,00	2222	unid	2049	MIL.STD 188-141A snd		'06
4.910,00	3333	unid	2034	MIL.STD 188-141A snd		'07
4.910,00	333	unid	0030	MIL.STD 188-141A	(TIS 333) complete?	'07
4.910,00	FAV22	CSTEI Favieres Vernon, FRA	0343	CW	"BT NR BT ..." 5LGs	'08
4.910,00	RFI	Saudi Military/Air Net	2126	MIL.STD 188-141A	clg JCI	'08
4.910,00	RFN	Ars Air Force, ARS ?	2032	MIL.STD 188-141A over LSB	clg "JCN"	'07
4.910,00	RFP	ARS Air Defence	1745	MIL.STD 188-141A	clg JCP	'08
4.910,00	RFU	unid	1930	MIL.STD 188-141A	clg JCU	'07
4.910,00	RFU	Ars Air Force, ARS ?	2042	MIL.STD 188-141A	clg "JCU"	'07
4.910,50	---	unid	0004	12 + 2 tones + doppler tone/LSB		'06
4.910,50	---	unid USCG ?	0400	MIL-STD 188-110/USB	Serial rate 1200 short interleave encrypted	'05
4.911,00	956	unid	1703	MIL.STD 188-141A	clg 253	'07
4.911,00	BL7R	unid	1610	USB	French Forces or Flemish accent? n	'05
4.911,00	FQ0	unid	2151	MIL.STD 188-141A	(TIS) to FQ3	'07
4.911,00	FQ3	unid	2155	MIL.STD 188-141A	(TIS) to FQ0	'07
4.912,30	KUWC	unid net	0910	RAC-ARQ266.66/800	qso with 7cg	'08
4.912,40	---	Algerain Customs	2035	COQUELET-8 37,5ms	"CODE UYMMXKFJUUJJIA" encr	'06
4.912,70	KUWC	unid net	0840	RTTY 75/300	clg /qso with oo6	'08
4.916,80	---	unid	0707	PICCOLO /40 or COQUELET-13 ?	encryp	'05
4.917,00	---	CIS Military	2009	CW	Ends 19-group msg BEOZX SNäPV RNFü PHMSD PTPäO 218 K	'08
4.917,00	6PCV	CIS Military	2210	CW	6PCV QRV K 6PCV R 297 K Also LJNZ on frequency	'08
4.917,00	X3Q	US Navy vessel	1330	USB	wkg B5I TLE (both USN) 7KB and OOM (both RN) Link11	'06
4.917,50	---	unid British Military	1750	PICCOLO-12	encrypted tfc ,S9+20 signalprobably located in the U	'05
4.917,60	---	unid Military, GBR ?	0750	PICCOLO-12	encryped trafic 23/02	'05
4.919,00	BORA	Albanian Mil/MOI	1915	MIL.STD 188-141A	clg DRINIA	'06
4.919,00	DIAMANTI	Albanian MOI, ALB	1740	MIL.STD 188-141A	clg DRINI	'07
4.919,00	DRINI	Albanian Police, ALB	0657	MIL.STD 188-110A/USB	SEND MSG TO "BORA"	'07
4.919,40	---	unid Fronet Station, SWE	1106	FACTOR-I 100/	clg F42HGE: Fronet Station FB Gotland no joy	'07
4.920,00	---	unid	1829	FSK 50/250	tfc in cipher	'08
4.921,00	---	CIS Military ?	0610	81-81 ?		'08
4.921,50	WGY914	FEMA Thomasville GA	1308	LSB	voice with SHARES ExerCISE msg	'08
4.922,50	FDG	French Air Force Bordeaux	1852	CW	vvv vvv vvv vvv vvv de fdg fdg fdg a	'06
4.923,50	4101	unid	1928	MIL.STD 188-141A snd		'08
4.923,50	610	unid	1804	MIL.STD 188-141A snd		'06
4.923,50	6101	unid	2015	MIL.STD 188-141A snd		'07
4.923,50	6869	unid	1956	MIL.STD 188-141A snd		'08
4.923,50	8301	unid	2024	MIL.STD 188-141A snd		'06
4.923,50	FAV22	CSTEI Favieres Vernon, FRA	1700	CW	GRA 'BT NR 9E M 19 11 08 58 1980 BT'	'08
4.924,00	---	fishermen	0747	USB	ff d/x	'05
4.924,00	GK6	Polish MOI ?	1953	MIL.STD 181-141A	clg WAR9	'07
4.924,00	M10	unid pos Polish Military, POL	1122	MIL.STD 188-141A snd		'08
4.924,00	MOBILE2	Polish MOI ?	1936	MIL.STD 181-141A	clg WARSZAWA2	'07
4.924,00	MWT	unid Pos Polish Military, POL	1029	MIL.STD 188-141A snd		'08
4.924,00	P20	unid pos Polish Military, POL	1119	MIL.STD 188-141A snd		'08
4.924,00	WARSZAWA2	Polish MOI Warszawa	1939	MIL.STD 181-141A	clg MOBILE2	'07
4.924,00	WARSZAWA3	Polish MOI Warszawa	1931	MIL.STD 181-141A	clg MOBILE2 Also at 1946 2000 2001	'07

4.924,50	A060RN	Arkansas National Guard	1112	MIL.STD 188-141A	to HQ703N prob. NG Readiness Ctr Arlington Va	'05
4.924,50	HQ703N	NGRC Arlington, USA	1304	MIL.STD 188-141A	to G090UN National Guard Guam	'05
4.924,50	HQ704N	unid Army National Guard HQ's	1246	MIL.STD 188-141A	to HQ703N Army National Guard	'05
4.924,50	K070SN	Army National Guard Kansas	1226	MIL.STD 188-141A	to M0700N Missouri Nat'l Guard US Army Nat'l Guard Net	'05
4.924,50	M010AN	Army National Guard Louisiana	1150	MIL.STD 188-141A	to HQ703N	'05
4.924,50	P030AN	Army National Guard Pennsylvania	0906	MIL.STD 188-141A	to HQ703N US Army Nat'l Guard	'05
4.924,50	PMTRACS	prob. Program Man. for Tact. Radio Systems	1328	MIL.STD 188-141A	TO M050IN Nat'l Guard Michigan Also on 5847/8047	'07
4.924,50	V030AN	Army National Guard Virginia	1243	MIL.STD 188-141A	to V030AN Virginia US Army Nat'l Guard	'05
4.925,00	0000210001	Greek MOI ? LOC ?	2207	MIL.STD 188-141A snd		'07
4.925,00	0000210188	GRC	0844	MIL.STD 188-141A snd		'07
4.925,00	0000210288	GRC	1943	MIL.STD 188-141A snd		'07
4.925,00	0000210301	Greek Police Net	2339	MIL.STD 188-141A snd		'05
4.925,00	0000210502	Greek Gendarmerie	2141	MIL.STD 188-141A snd		'06
4.925,00	0000210502	Greek MOI	1735	MIL.STD 188-141A snd		'06
4.925,00	0000210504	Greek Police	1710	MIL.STD 188-141AB snd		'07
4.925,00	0000210588	Greek MOI	2301	MIL.STD 188-141A snd		'07
4.925,00	0000211088	GRC	1939	MIL.STD 188-141A snd		'07
4.925,00	FWD	unid	2000	MIL.STD 188-141A	clg TA2 Then TA2 calls MAI	'05
4.925,30	---	unid Fronet Station S	1133	FACTOR-I 100/	Calling F34HUW VB Skaraborg	'06
4.926,00	AASF1	Army Aviation Support Facility Columbus	1621	MIL.STD 188-141A		'06
4.926,00	ANGSPRINGFIELD	OH ANG	1329	MIL.STD 188-141A		'07
4.926,00	NGTROOPCMD	Columbus OH clg ANGSPRINGFIELD	1611	USB	voice/ALE	'06
4.926,70	---	unid NATO	1106	NATO-75 75/850 ACF=0	Denmark/Norway ? Continuous cipher	'07
4.927,00	8PNX	PRC Marker	1100	CW	"B7TZ de 8PNX"	'06
4.927,30	---	Prb Fronet Station S	0907	FACTOR-II 100/		'05
4.928,00	4PPW	M89 Chinese Naval	1845	CW	BT COMM BT 051/8520/8090/27/71/2822/007/A/27/02 AR	'05
4.928,00	8PNX	China	1235	CW 2006	at 1249 into high speed CW then back to marker	'07
4.928,40	---	unid	0840	POL-ARQ 100/170	Off air 0852	'05
4.928,50	R26610	UH-60L # 92-26604	0159	MIL.STD 188-141A	clg OPS171 1-171st AVN Ops in	'06
4.930,00	---	CIS Military	0750	RTTY 50/500 07	tfc in cipher	'08
4.930,00	---	Polish Forces, POL	0652	USB	tfc POL	'08
4.930,00	DT5	Estonian Army	1629	MIL.STD 188-141A	clg GF7	'05
4.930,00	FAV22	CSTEI Favieres Vernon, FRA	0410	CW	"NR 30 F 27 05 10 47 1980 BT" 5LGs	'08
4.930,00	HO5	Algerian MOI ?	2320	MIL.STD 188-141A	clg IZ4 1	'05
4.930,00	HO5	Estonian Army	2107	MIL.STD 188-141A	clg IZ4	'05
4.930,00	IZ4	Alg MOI	2206	MIL.STD 188-141A snd		'05
4.930,00	Legwan07	Polish Military	0935	USB	Radio check with Czaplinek 85	'05
4.930,00	RX1	Est Military	0939	MIL.STD 188-141A	clg VC6 23	'05
4.930,00	VC6	Estonian Army	1902	MIL.STD 188-141A	clg RX1	'06
4.930,00	WD3	Estonian Military	2156	MIL.STD 188-141A	clg LU9 LU9 calls EK7 30	'04
4.930,20	---	unid station	2345	STANAG-4285/USB ACF=32 04		'06
4.930,50	2TC	unid Navy	2220	USB	clg/wkg "6QF"	'08
4.930,50	6QF	Italian Navy	2217	USB	wkg "77F"	'08
4.930,50	77F	German Navy	2215	USB	clg "2TC" 2216 clg "K9S" 2217 clg/wkg "6GC"	'08
4.931,00	---	M51 French Forces	2310	CW	GRA //4833,0 //2346,5	'08
4.932,00	---	CIS Military	1851	RUS-75/75/250	tfc in cipher	'07
4.933,40	---	unid POL	1051	POL-ARQ 100/170		'05
4.935,00	PGU	Polish Military ?	0508	USB	pol? c YSBO?	'07
4.935,00	RTQ	7UD cz forces ?	0522	USB	cz? clg TLI	'06
4.935,00	YIP	prob. Ypsilanti MI National Guard	2015	MIL.STD 188-141A	Also 18314/13562/12270/11457/10577/9043/7469/5772/4448	'07
4.935,50	RAC	unid possible US Army or NG	1900	MIL.STD 188-141A		'07
4.936,00	DHJ67	German Air Force Köln HöhKdoBeh LW GefSt	1026	USB	wkg DHJ77	'07
4.936,00	KM7N	German AF unit	1402	USB	clg DHJ67 (GAF unit) no joy	'06
4.936,00	X37P	unid German Air Force Unit	1100	USB	clg DHJ83 for Radiocheck	'07
4.937,50	---	unid	2107	MIL-STD-188-110/2400/voice		'05
4.938,00	---	unid Illicit Stn	2230	CW	In tfc 50666 52898 56486 26745	'08
4.939,50	---	unid	1430	USB/PSK/STANAG BASED-LINK SUSTEM ?	Stations in contact. Similar tfc on 5050.5/4830.5'	'08
4.940,00	---	unid Military ?	0558	USB	rus?/regular brief transmissions	'07
4.940,50	---	unid	1659	CW	tfc	'07
4.940,50	RAI92	Russian Navy	1655	CW	sx wkg RAI63 w/QSA also on RIQ88 wkg RAI63 & clg RAI62	'07
4.940,50	RIQ88	unid Russian ship, RUS ?	2200	CW	qso with ras92 and several other	'07

4.943,00	---	unid German Air Force	1043	USB/VFT 3xFEC-A 192/200	Drill	'06
4.943,00	---	prob. Fisheries, ARG	0300	USB	Traffic: lat/long ships water temp etc	'06
4.944,00	---	unid	2120	CW	tfc	'07
4.944,00	RMP	RN Baltic Sea Fleet HQ Kaliningrad, RUS	0058	CW	clg RFH61	'07
4.944,65	4	QTH ?	1118	CW	ID and tone good signal strength	'07
4.945,00	---	unid Military ?	0603	USB	rus brief clg s "hearing..."	'07
4.945,00	unid	CIS	0000	LSB	QRM on both QRGs	'05
4.945,00	WARSZAWA1	Polish Military	1225	MIL.STD 188-141A	clg POZNAN	'05
4.945,40	WARSZAWA2	Polish Military	1251	MIL.STD 188-141A	clg POZNA	'05
4.945,50	WARSZAWA3	POL MSWIA WARSZAWA	1631	MIL.STD 188-141A snd		'08
4.948,00	F2ET	unid	1734	CW	VVV/GRN 'VVVVV XXXX F2ET F2ET'	'07
4.948,00	FAV22	CSTEI Favieres Vernon, FRA	1938	CW	GRA //7688,5,00	'08
4.948,00	RFH76	unid Baltic Fleet Warship	1856	CW	Working RMP/HQ Baltic Fleet RMP de RFH76 ZGR?	'06
4.950,00	---	CIS Military	0539	RUS-75 75/250	tfc in cipher	'08
4.950,00	ICSSIL	Rockwell Collins Irvine, USA	1239	MIL.STD 188-141A snd	Sig. Integr. Lab. prob. Also on 7410/9050/13850/20960	'07
4.950,50	RIQ88	Russian Navy NCS	0500	CW	sx wkg unid RAI62 RAI63 w/short QSA checks & "QRU SK"	'07
4.951,00	---	unid Military ?	0617	NATO-75/270		'08
4.951,00	---	CIS Military	2215	RUS-75/75/250	tfc in cipher	'08
4.951,50	---	PVO/Russian Air Defence	2325	CW	tracking details and time-marker: "=99t225??t?????"	'07
4.952,00	---	Russian Military	1456	CW	Sends 5LG msg	'07
4.952,00	---	NATO Air Defence Modem	1358	LINK-11/2250/ISB 2CH TADIL	prob. duplex with a different station in each sideband	'07
4.952,00	---	AF ? time signal ?	2141	CW	=99tt41??t?????	'05
4.952,00	---	Russian Military	1456	CW	Sends 5LG msg . ETPAXaAKO EKWUH OOSGN NAOEA faded	'07
4.952,00	035	Hongarian Military, HNG	1718	MIL.STD 188-141A	clg 082	'04
4.952,00	082	Hongarian Military, HNG	1817	MIL.STD 188-141A	clg 035	'07
4.952,00	100	Hongarian Military	1746	MIL.STD 188-141A	to 035	'07
4.952,00	HG 035	Hongarian Forces, HNG	2020	MIL.STD 188-141A	clg "100"	'07
4.952,00	HG 082	Hongarian Forces, HNG	2050	MIL.STD 188-141A	clg "100"	'07
4.952,00	KM7N	German AF unit	1403	USB	clg DHJ67 (GAF unit) no joy	'06
4.952,00	RIT	RAL59 Russian NF HQ/warship ? RAL59	0708	CW	commchecks and bcst of 5LG	'07
4.952,00	WARSZAWA3	Polish MoI/R&S net	1903	MIL.STD 188-141A	exchg many bursts and voice cmds with MOBILE2	'06
4.953,00	H14B	UK Cadet Station	1449	USB	Sends serial PC54ZW to unid E59C	'07
4.953,00	K60	CCF/ACF NCS	1620	USB	clg K74B B60B in "Christmas Cracker Contest" no joy	'07
4.953,00	O44B	UK Cadet Station	1519	USB	QSY here AA from 5328 Sends serial CN53EZ to B74	'07
4.953,00	RAI	unid pos Saudi net	1738	MIL.STD 188-141A over LSB	clg JAI	'07
4.954,00	---	unid RUS Military	2043	USB/AT-3104/1440/3400	encrypted	'07
4.954,00	---	unid	1324	ARQ ?		'05
4.954,00	H14B	CCF/ACF NCS	1619	USB	clg ALL STATIONS in "Christmas Cracker Contest" no joy	'07
4.954,00	UWC	unid	1655	ARQ	"welcome to the national hf mailbox..."	'04
4.954,50	---	unid Cadets	1115	FEC 100/170	Chat "MUST WATCH THE BLOOD_PRESSURE...THERE "	'06
4.954,50	---	unid	0954	FACTOR-I	Periodic bursts in Flb 100bd/200Hz Pact-I	'07
4.955,10	---	unid	1910	FSK SYNCH 220/300 ACF=0	encrypted txt	'08
4.956,00	---	unid Military network F ?	0837	USB/SKYMASTER 8-FSK ALE/SYS.3000	2 stations exchanging lengthy tfc sequences French MIL?	'08
4.957,50	FDG	French Air Force Bordeaux, F	2108	RTTY 50/400	"Voyez le brick..."	'05
4.957,50	FDI8	French Air Force Nice	1549	RTTY 50/400	Marker	'06
4.958,00	S11A	Numberstation	1110	USB	fem.voice 11:15UTC	'08
4.959,00	---	prob. Russian Air Defence	1938	CW		'06
4.959,00	---	ISR Ny	1735	USB/SERIAL TONE HYBRID MODEM	paralell on 4520kHz	'08
4.962,00	VV8C	CIS Military	1355	CW	5FGs	'08
4.963,00	---	CIS Military	1745	CIS-75/75/250	tfc in cipher	'08
4.964,00	---	unid	0510	MIL.STD 188-141A snd		'08
4.964,00	SPAGAT	Austrian Military	1510	MIL.STD 188-141A	clg RADIUS	'07
4.965,20	---	unid Military	0729	STANAG-4285/USB	tfc in cipher	'08
4.968,00	LF20	PVO/Russian Air Defence "M41"	1402	CW	"LF20 LF20 LF20 ar break LF20 x3 WZD	'08
4.970,00	333	Georgian Army	1924	MIL.STD 188-141A snd		'07
4.970,00	580	unid	1846	MIL.STD 188-141A snd		'07
4.970,00	5800	unid	2144	MIL.STD 188-141A snd		'07
4.970,00	581	unid	2105	MIL.STD 188-141A snd		'07
4.970,00	5810	Georgian Army ?	1955	MIL.STD 188-141A snd		'07
4.970,00	582	Georgian Army ?	1955	MIL.STD 188-141A snd		'07
4.970,00	5820	Georgian Army ?	1955	MIL.STD 188-141A snd		'07

4.970,00	5830	unid	1910	MIL.STD 188-141A	snd		'04
4.970,00	584	Georgian Army ?	1955	MIL.STD 188-141A	snd		'07
4.970,00	5840	Georgian Army ?	1955	MIL.STD 188-141A	snd		'07
4.970,00	586	Georgian Army ?	1955	MIL.STD 188-141A	snd		'07
4.970,00	5860	Georgian Army ?	1955	MIL.STD 188-141A	snd		'07
4.970,00	5870	unid	2048	MIL.STD 188-141A	snd		'07
4.970,00	5880	unid	2140	MIL.STD 188-141A	snd		'08
4.970,00	BJ31	Algerian Military, DZA	1728	MIL.STD 188-141A		clg RM30	'07
4.970,00	BJ34	Algerian Military, DZA	1749	MIL.STD 188-141A		clg RM30	'05
4.970,00	BJ35	Algerian Military, DZA	1828	MIL.STD 188-141A		clg BJ30	'07
4.970,00	BL51	Algerian Military, DZA	1745	MIL.STD 188-141A		clg RM30	'07
4.970,00	BR2	georgian Army ?	2210	MIL.STD 188-141A		to LEN georgian Army?	'07
4.970,00	CM30	Algerian Military, DZA	2046	MIL.STD 188-141A		clg XA33	'07
4.970,00	LEN	unid LEN net	1727	MIL.STD 188-141A		clg BR2	'07
4.970,00	MO1	unid french mobile Station	1130	MIL.STD 188-141A		clg ALE NetCall?	'07
4.970,00	RM3	Mexican Army	0519	MIL.STD 188-141A			'07
4.970,00	RM30	Algerian Military/MOI, DZA	2153	MIL.STD 188-141A		clg BJ3	'04
4.970,00	XA3	unid prob. Georgian	2136	MIL.STD 188-141A		clg XA30	'07
4.970,00	XA30	Alg-unid ?	2122	MIL.STD 188-141A		clg RM3	'04
4.970,00	XA31	Algerian Military, DZA	2236	MIL.STD 188-141A		clg RM30	'07
4.970,00	XA33	Algerian Military, DZA	2335	MIL.STD 188-141A		clg RM30	'07
4.970,00	XA34	Algerian Military, DZA	2326	MIL.STD 188-141A		clg RM30	'07
4.970,00	XA35	Algerian Military, DZA	2334	MIL.STD 188-141A		clg RM30	'07
4.971,80	43C	unid Combined Cadet Corps BBS G	1830	FACTOR 200/200		clg and wkg 72C who gives log-in history on QSX 4972	'06
4.972,00	MBX1CF	ACF/CCF Mailbox G	1343	FACTOR-I		wkg MCC88C w/logout; MCC88C=88C	'08
4.972,00	MCC71B	Marine Cadet Station	1155	FACTOR-I 100/		connecting to MBX1CF Cadet Forces Mailbox	'08
4.972,00	MRF19	Marine Cadet Station	1555	FACTOR-I 100/		clg MBX1CF Cadet Forces Mailbox	'07
4.972,10	MCC88C	SCC Station G	1753	FACTOR-I 100/		connecting to MBX1CF Cadet Forces Mailbox	'06
4.973,00	---	unid	0606	CW		GRN	'07
4.978,00	DELTA	unid prob. austrian Military or Diplo	1516	USB		wkg VICTOR sometimes cld "VICTOR-BRAVO"	'05
4.978,00	GS2	Georgian Military	2017	MIL.STD 188-141A		clg LAZERI2	'06
4.978,00	GV1	Georgian Military	2016	MIL.STD 188-141A		clg RAINDI	'05
4.978,00	RAINDI	unid Georgian net ?	1934	MIL.STD 188-141A		clg LAZERI1 LAZERI2 and ZVIGENI	'05
4.978,00	SB3	Geo-Military ?	1802	MIL.STD 188-141A		clg GS2	'06
4.978,00	ZBH	GEORGIAN ORG? ? LOC ?	0349	MIL.STD 188-141A		clg ZVIGENI ZBH? - weak sig	'07
4.978,00	ZVIGENI	Georgian net	1909	MIL.STD 188-141A		clg RAINDI	'06
4.979,00	RAL2	CIS Navy ? LOC ?	0510	CW		clg RKA2 "qsa3 znn znn va" 0513	'07
4.979,00	RALA2S	CIS Navy ? LOC ?	0514	CW		clg RBL70 "qsa?"	'07
4.979,00	RKA2	CIS Navy ? LOC ?	0503	CW		clg RLO2 "qsa?" 2	'07
4.979,20	---	unid	2006	MIL.STD 188-141A		clg R26485	'07
4.979,20	R23698	US Army ?	2214	MIL.STD 188-141A		clg T1159AA	'07
4.979,20	R26519	US Army ?	1946	MIL.STD 188-141A		clg T4Z101 followed by short data burst	'07
4.979,20	R5312	HELO - US Army, IRQ	2125	MIL.STD 188-141A		clg "T1Z3"	'07
4.979,20	T101	US Army ?	1949	MIL.STD 188-141A	snd	Also 2019 2150 2220	'07
4.979,20	T1159AA	US Army ?	2142	MIL.STD 188-141A	snd		'07
4.979,20	T1Z126	US Army 126 AV REG IRAQ	1950	MIL.STD 188-141A	snd	Also 2020 2121 2151 2221	'07
4.979,20	T1Z3	US Army, IRQ	2128	MIL.STD 188-141A	snd	'070006,0107,2205,2235,2306,2336	'07
4.979,20	T2Z3	US Army, IRQ	2208	MIL.STD 188-141A	snd	'070009,2208,2238,2308	'07
4.979,20	T4Z101	US Army 101 AIRBORNE	1946	MIL.STD 188-141A		Responding to R26519 2005 snd 2022	'07
4.979,20	T4Z101	4 Bn 101 Avn US Army Iraq	1944	MIL.STD 188-141A	snd		'06
4.979,20	T54AA	US Army Air AMBULANCE IRAQ	1947	MIL.STD 188-141A	snd	Also 2017 2148 2219	'07
4.979,20	T571AA	US Army Air AMBULANCE IRAQ	1956	MIL.STD 188-141A	snd	Also 2026 2126 2157 2227 2257	'07
4.979,20	T7Z101	US Army 101 AIRBORNE	2004	MIL.STD 188-141A	snd	Also 2134 2205 2235 2305	'07
4.980,00	---	unid Time Stn	2143	CW		Weak Seconds pips long on minute Weak	'05
4.983,00	---	CIS Military	2147	CIS-75 75/200		In tfc	'08
4.985,00	2 NOVEMBER	unid	1937	AM		Chiamata della callsign is 2 November	'06
4.985,00	T3Z	unid	1900	MIL.STD 188-141A	snd		'06
4.985,00	T3Z126	3th Battalion 126th Avn IRQ	1810	MIL.STD 188-141A	snd		'07
4.985,00	UDA	unid	2210	MIL.STD 188-141A		(TWS) UDA also noted on 05101,00	'06
4.985,00	UDAIRI	US Army Udairi Trng Area LDO	1900	MIL.STD 188-141A	snd		'06
4.985,40	---	unid	1225	FEC 100/140		encr.txt parallel on 6947.4kHz end of tx @1253UTC	'07

4.986,00	RCB	unid Russian Navy	1742	RUS-75/75/200	cipher QSYd here by RJF94 on 5166 kHz	'06
4.988,00	I30F	RNY Caddets	0125	USB	wkg I32F many Radiochecks	'06
4.988,00	TWBL2	Guardia Civil	1012	MIL.STD 188-141A	clg TXX2 Madrid	'07
4.988,00	TWCO2	Guardia Civil unid	0820	MIL.STD 188-141A	clg TXX1 Madrid	'06
4.988,00	TWLC2	Guardia Civil Santader, ESP	2125	MIL.STD 188-141A	clg TXX1 Madrid Spa	'08
4.988,00	TWVA2	Guardia Civil Leon	1009	MIL.STD 188-141A	clg TXX2 Madrid	'07
4.988,00	TWVB1	Guardia Civil Burgos, ESP	2333	MIL.STD 188-141A	clg TWCC2 La Coruna Spa	'07
4.988,00	TXX2	Guardia Civil Madrid	1531	MIL.STD 188-141A	clg TWVP2 Palencia	'06
4.988,00	TYMA2	Guardia Civil. Avila	2138	MIL.STD 188-141A	clg TXX2 Madrid	'08
4.988,00	TYMC2	Guardia Civil Caceres	1637	MIL.STD 188-141A	clg TXX2 Madrid	'06
4.988,00	TYMT2	Guardia Civil Toledo	1722	MIL.STD 188-141A	clg TXX2 Madrid	'07
4.988,00	TZSA2	Guardia Civil Almeria, ESP	1853	MIL.STD 188-141A	clg "TXX1" 1914 clg "TXX1" 1931 clg "TYMB1"	'07
4.988,00	TZSJ2	Guardia Civil Jaen	2020	MIL.STD 188-141A	clg TXX1 Madrid	'08
4.988,50	FDI8	French Air Force Nice F	0217	CW	vvv-mkr	'05
4.988,60	8024	unid station on EPA frequency	0000	MIL.STD 188-141A		'07
4.988,60	KGD825	EPA Boston MA	2058	MIL.STD 188-141A		'08
4.991,00	---	HQ1 ... USA FBI	0417	MIL.STD 188-141A	clg "NY1"	'07
4.991,00	---	unid	0815	RTTY 50/425	5LGs Off at 0818	'05
4.991,00	DE1	FBI Detroit MI	1430	MIL.STD 188-141A	to SU1 FBI Salt Lake City At 1439 to MM1 FBI Miami FL	'05
4.991,00	IP1	FBI Indianapolis Italian Navy	0930	MIL.STD 188-141A	to LR1 FBI Little Rock AR FBI ALE Net	'05
4.991,00	KC1	FBI Kansas City MO	0230	MIL.STD 188-141A	to AT1 FBI Atlanta Ga FBI ALE net	'05
4.991,00	KEC96	NY1 New York,NY USA FBI	0416	MIL.STD 188-141A	clg "HQ1"	'07
4.991,00	KII74	RH1 Richmond,VA USA FBI	0109	MIL.STD 188-141A	clg "NY1"	'07
4.991,00	LR1	FBI Little Rock AR	1042	MIL.STD 188-141A	to MM1 FBI Miami FL	'05
4.991,00	NF1	Norfolk,VA USA FBI	0353	MIL.STD 188-141A	clg "RH1" 0455 clg "NY1"	'07
4.991,00	NK1	US FBI NEWARK	0502	MIL.STD 181-141A	clg QT1	'07
4.991,00	NY1	New York,NY USA FBI	0455	MIL.STD 188-141A	clg "NF1"	'07
4.991,00	QT2	FBI Quantico VA KGE22A	1141	MIL.STD 188-141A	to SU1 FBI Salt Lake City UT	'05
4.991,00	RH1	Richmond,VA USA FBI	0353	MIL.STD 188-141A	clg "NF1"	'07
4.991,00	SL1	FBI St Louis MO	0426	MIL.STD 188-141A	to FBI Springfield IL SI1 FBI ALE Net	'05
4.991,00	WF1	FBI Washington DC	1147	MIL.STD 188-141A snd	FBI ALE Net	'05
4.991,50	OEY52	Austrian Military	1339	MIL.STD 188-141A	clg OEY41	'07
4.991,70	---	prob. MfA Cairo	1952	ARQ/100/170	clg TVVF, EGY Embassy	'07
4.992,40	---	unid	1911	POL ARQ/100/170	encr tfc	'05
4.993,00	TF1	unid	0948	MIL.STD 188-141A	clg TF2	'08
4.993,00	TF2	unid	1120	MIL.STD 188-141A	clg TF1	'07
4.993,50	---	unid	1954	RS-ARQ/ALIS bursts 228.66/	no sync	'06
4.993,50	R1A	Rohde & Schwarz HQ Munich, DEU	1013	USB/MIL-STD 188-110B Appendix C	fox-tests to R2A using STANAG 5066 with DRC protocol	'05
4.993,50	R2A	Rohde & Schwarz Berlin, DEU	1014	USB/MIL-STD 188-110B Appendix C	rcvng tfc from R1A using STANAG 5066 with DRC protocol	'05
4.994,00	---	unid	1040	USB/MIL STD 188-110/Ser.Tone Modem.	PC-ALE shows 2400Bps/voice and various Data Rates	'08
4.994,00	---	unid	1040	USB/MIL STD 188-110/Ser.Tone Modem	PC-ALE shows 2400Bps/voice and various Data Rates	'08
4.996,00	RWM	Moscow TS, RUS	1939	CW	"VVV CQ CQ DE RWM RWM" then second pulses	'06
4.999,00	BPM	Xi-An Time Standard PRC	2029	CW	Second pips and calls	'06