

WORLD NDBP DATABASE FOR DXERS

Version 1.4

Last updated 9th of February 2024

Compiled by **Alan Gale, G4TMV**

This Database is divided into four separate sections.

Section One:	NBDP Stations sorted by Time Order
Section Two:	NBDP Stations sorted by Navarea Order
Section Three:	Key to Abbreviations used
Section Four:	Credits & Sources
Section Five:	Changelog

- NOTE #1:** The Country Identifiers used in this list are taken from the **NDB List Country Code List** which can be downloaded from the NDB List Info site at: https://www.ndblist.info/index_htm_files/countrylist.pdf
- NOTE #2:** This list is aimed only at radio enthusiasts, and it goes without saying that it should never be used for navigational purposes since the data cannot be confirmed as being 100% accurate and up to date. Any updates and corrections would be much appreciated.
- NOTE #3:** NBDP enthusiasts may be interested in joining the **NAVTEX DX Group**, an organisation for like-minded enthusiasts which can be found at: <https://groups.io/g/navtexdx/>
- NOTE #4:** I highly recommend the '**NAVTEXview**' program by **Tobias Taufer (T2)**, which uses the data from this file, and you can download a copy from the **NDB List** website 'Datamodes' page which can be found at: <https://www.ndblist.info/datamodes.htm>
- NOTE #5:** Lat / Long details are not guaranteed to be accurate and should never be used for navigation purposes.
- NOTE #6:** At the request of numerous DXers, Rxx codes and Locator Square details are now included. These should be reasonably accurate, but any corrections would be appreciated.

Updates and corrections for this list can be sent to: **<ndbpupdates at ndblist.info>** (replace the 'at' with @)

HF NARROW BAND DIRECT PRINTING (NBDP) STATIONS:

This section was introduced to the World NAVTEX Database back in April 2011 as a result of the growing interest in these NBDP transmissions, particularly as some were being used to test their ability to carry MSI information to the Polar Regions, which eventually came to be served by various new stations as part of the WWNWS Navarea expansion programme. I cannot guarantee that this list is 100% accurate as the data comes from a variety of different sources but I would appreciate any additions, corrections, or confirmation that the times and details shown below are correct when possible. In August 2020 I decided to move all of the data into a publication of its own as this makes keeping them up to date a lot simpler for me, and as of version 1.2 I have now removed the sections showing listings by frequency and navarea, as this created a lot of additional work in keeping things up to date, and increased the chances of errors creeping in. Sorted by time seems like the best method since there isn't much point in searching for them other than at scheduled times, as unlike the MF NAVTEX frequencies, there aren't usually any broadcasts other than the scheduled ones, at least I haven't yet heard any.

NOTES# - HF NBDP stations don't appear to use a 'slot' plan in the same way that the MF stations do, and the ones shown seem to be allocated by the stations themselves to differentiate between the frequencies that the broadcasts are going out on, e.g. Boston uses [A] for 6 MHz, [B] for 8 MHz, [C] for 12 MHz and [D] for 16 MHz, whereas Honolulu uses [A] for 8 MHz, [B] for 12 MHz and [C] for 16 MHz. There are also several stations shown as 'planned' though whether these will ever appear remains to be seen, as many stations are proposed but never actually appear, often due to financial constraints.

SECTION ONE: SORTED BY TIME ORDER

UTC:	kHz:	Call:	Station Name:	COU:	Country:	Slot:	Mode:	Latitude:	Longitude:	Locator:	Area:	Lang:	Status:	Notes:
0005	8416.5	NMC	Point Reyes	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	active	
0005	16806.5	NMC	Point Reyes	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	active	
0030	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05rn	VI	SS/EE	active	
0030	6425.0	NME	Boston	USA	United States		F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
0030	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
0030	8416.5	NME	Boston	USA	United States		F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
0030	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
0030	12579.0	NME	Boston	USA	United States		F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
0030	16806.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
0050	6324.5	KPH	San Francisco	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	active	Saturdays & Special Events
0050	12585.0	KPH	San Francisco	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	active	Saturdays & Special Events
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0130	8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
0130	12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
0130	22376.0	NMO	Honolulu, HI	HWA	Hawaii	[C]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
0140	6425.0	NMF	Boston	USA	United States	[A]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
0140	8416.5	NMF	Boston	USA	United States	[B]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
0140	12579.0	NMF	Boston	USA	United States	[C]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
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0230	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
0230	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
0230	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
0230	12709.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
0230	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
0230	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	PACTOR FEC 200bd
0230	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	

0250	4???0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	active	
0250	4???0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	active	
0250	6326.0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	active	
0250	8425.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
0250	12637.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
0250	16898.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
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0300	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
0300	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
0300	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
0330	8416.5	VFF	Iqaluit CG NU	CAN	Canada	[A]	F1B	63° 43.700 N	068° 33.000 W	FP53rr	XVII	EE	active	mid-May to Mid-December
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0400	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87hb	V	PP	active	Brazilian Navy
0400	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87hb	V	PP	active	Brazilian Navy
0400	12709.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87hb	V	PP	active	Brazilian Navy
0400	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	PACTOR FEC 200bd
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0500	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
0500	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
0500	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
0500	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
0500	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
0530	4210.0	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
0530	8416.5	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
0530	8416.5	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		active	
0530	12579.0	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
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0600	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
0600	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
0600	12709.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
0600	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	PACTOR FEC 200bd
0630	4210.0	SUZ	Serapeum (Ismailia)	EGY	Egypt		F1B	30° 28.000 N	032° 22.000 E	KM60el	IX		active	
0630	8416.5	LGV	Vardø – Hammerfest	NOR	Norway	[B]	F1B	78° 43.001 N	023° 47.540 E	KQ10vr	XIX	EE	active	HF Aerial
0645	4210.0	LGV	Vardø – Hammerfest	NOR	Norway	[A]	F1B	78° 43.001 N	023° 47.540 E	KQ10vr	XIX	EE	active	HF Aerial
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0650	4???0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	active	
0650	6326.0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	EE/CC	active	
0650	8425.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	EE/CC	active	
0650	12637.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	EE/CC	active	

0650	16898.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	EE/CC	active	
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0700	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
0700	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
0700	16886.0	TAL	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III		active	
0715	12579.0	UAT	Moscow Radio	RUS	Russia		F1B	55° 51.000 N	038° 14.000 E	KO95cu	XX	EE	active	
0730	8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
0730	12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
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0800	4560.0	TAH	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III		active	
0800	8431.0	TAF	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III	EE	active	
0800	12654.0	TAL	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III	EE	active	
0830	12579.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		active	
0850	47???	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	active	
0850	6326.0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	active	
0850	8425.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
0850	12637.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
0850	16898.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
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0900	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
0900	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
0900	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
0930	8424.0	SVU4	Olympia Radio	GRC	Greece		F1B	37° 36.000 N	021° 29.000 E	KM07ro	III	GK/EE	active	
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1000	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1000	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1000	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1030	6314.0	SUZ	Serapeum (Ismailia)	EGY	Egypt		F1B	30° 28.000 N	032° 22.000 E	KM60el	IX		active	
1030	12579.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		active	
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1100	8416.5	LGV	Vardø – Hammerfestl	NOR	Norway	[B]	F1B	78° 43.010 N	023° 47.540 E	KQ10vr	XIX	EE	active	HF Aerial
1115	4210.0	LGV	Vardø – Hammerfest	NOR	Norway	[A]	F1B	78° 43.010 N	023° 47.540 E	KQ10vr	XIX	EE	active	HF Aerial
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1200	4212.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
1200	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	

1200	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
1218	6425.0	NMF	Boston	USA	United States	[A]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
1218	8416.5	NMF	Boston	USA	United States	[B]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
1218	12579.0	NMF	Boston	USA	United States	[C]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
1230	8416.5	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		active	
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1300	8416.5	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
1300	12579.0	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
1300	19680.5	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
1330	8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
1330	12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
1350	4???	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
1350	6326.0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	active	
1350	8425.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
1350	12637.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	active	
1350	16898.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
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1400	4210.0	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1400	8416.5	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1400	12579.0	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1400	16806.5	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1430	4210.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		active	
1430	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V		active	Brazilian Navy
1430	8416.5	SUZ	Serapeum (Ismailia)	EGY	Egypt		F1B	30° 28.000 N	032° 22.000 E	KM60el	IX		active	
1430	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V		active	Brazilian Navy
1430	12709.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
1430	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	PACTOR FEC 200bd
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1500	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
1500	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
1500	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
1520	4219.0	XSQ	Guangzhou	CHN	China		F1B	23° 09.560 N	113° 30.800 E	OL63sd	XI	CC	active	
1530	4210.0	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1530	8416.5	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1530	8416.5	VFF	Iqaluit CG NU	CAN	Canada	[A]	F1B	63° 43.700 N	068° 33.000 W	FP53rr	XVII	EE	active	mid-May to Mid-December
1530	12579.0	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1530	16806.5	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
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1600	4212.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
1600	8416.5		Callao	PRU	Peru		F1B	12° 03.000 S	077° 07.000 W	FH17kv	XVI		planned	
1600	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
1600	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
1600	16886.0	TAL	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III	EE	active	
1630	8416.5	NMF	Boston	USA	United States	[B]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
1630	12579.0	NMF	Boston	USA	United States	[C]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
1630	16806.5	NMF	Boston	USA	United States	[D]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	active	
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1800	8416.5	NMC	Point Reyes	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	active	
1800	16806.5	NMC	Point Reyes	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	active	
1830	4210.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		active	
1830	8416.5	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
1830	8416.5	LGV	Vardø – Hammerfest	NOR	Norway	[B]	F1B	78° 43.001 N	023° 47.540 E	KQ10vr	XIX	EE	active	HF Aerial
1830	12579.0	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
1830	19680.5	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
1845	4210.0	LGV	Vardø – Hammerfest	NOR	Norway	[A]	F1B	78° 43.001 N	023° 47.540 E	KQ10vr	XIX	EE	active	HF Aerial
1845	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
1845	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
1845	12709.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
1845	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	PACTOR FEC 200bd
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1900	4210.0	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1900	8416.5	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1900	12579.0	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1900	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
1900	16806.5	LZE	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
1900	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
1900	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
1915	8416.5	UAT	Moscow Radio	RUS	Russia		F1B	55° 51.000 N	038° 14.000 E	KO95cu	XX	EE	active	
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2000	4212.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
2000	4560.0	TAH	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III		active	
2000	8416.5	OBV2	Païta	PRU	Peru		F1B	05° 05.000 S	081° 07.000 W	EI94kv	XVI		planned	
2000	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
2000	8431.0	TAF	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III	EE	active	
2000	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
2000	12654.0	TAL	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III	EE	active	
2030	8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
2030	12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
2030	22376.0	NMO	Honolulu, HI	HWA	Hawaii	[C]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	active	
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2100	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
2100	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
2100	8416.5		Mollendo	PRU	Peru		F1B	17° 01.000 S	072° 01.000 W	FH17kx	XVI		planned	
2100	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
2100	16806.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	active	
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2130	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
2130	8424.0	SVU4	Olympia Radio	GRC	Greece	**	F1B	37° 36.000 N	021° 29.000 E	KM07ro	III	GK/EE	active	Weekends only?
2130	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
2130	12709.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	Brazilian Navy
2130	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	PACTOR FEC 200bd
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2220	4219.0	XSQ	Guangzhou	CHN	China		F1B	23° 09.560 N	113° 30.800 E	OL63sd	XI	CC	active	
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2300	4210.0	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
2300	8416.5	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
2300	8416.5	LGV	Vardø – Hammerfest	NOR	Norway	[B]	F1B	78° 43.001 N	023° 47.540 E	KQ10vr	XIX	EE	active	HF Aerial
2300	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
2300	12579.0	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	active	
2300	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	active	
+++++														
2315	4210.0	LGV	Vardø – Hammerfest	NOR	Norway	[A]	F1B	78° 43.001 N	023° 47.540 E	KQ10vr	XIX	EE	active	HF Aerial
2315	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
2315	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
2315	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	active	
+++++														
2350	4???	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
2350	6326.0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
2350	8425.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
2350	12637.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
2350	16898.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	active	
+++++														
????	4266.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	active	(on request)

Note# - PWZ33 Brazilian Navy also operates in the PACTOR FEC Mode J2D at 200bd on request

** The 'official' listings show Olympia Radio as being on air at 0930 and 2130 utc, but on-air monitoring has shown that this frequency also carries other broadcasts at various times, including Press and Meteo reports in both Greek and English. Recently, it was noted that the service seems to be extended on weekdays, so sometimes PRESS reports are carried in Greek with a 'Latinised' alphabet at 2100utc, and the Weather again at 2300 utc in English. The scheduled MSI broadcast shown on 4209.5 kHz at 2300utc seems to be absent at the moment, so I am speculating that this unlisted broadcast on 8424.0 kHz at 2300 might be covering for that. It has also been noted that TAH often overruns on 4209.5, or leaves its 'channel marker' running, which may also be preventing SVO from transmitting at its scheduled time on that frequency.

SECTION TWO: SORTED BY NAVAREA ORDER

kHz:	Call:	Station Name:	COU:	Country:	Slot:	Mode:	Latitude:	Longitude:	Locator:	Area:	Lang:	UTC:	Status:
4560.0	TAH	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III		0800, 2000	active
8424.0	SVU4	Olympia Radio	GRC	Greece		F1B	37° 36.000 N	021° 29.000 E	KM07ro	III	GK/EE	0930, 2130	active
8431.0	TAF	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III	EE	0800, 2000	active
12654.0	TAL	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III	EE	0800, 2000	active
16886.0	TAL	Istanbul Radio Telex	TUR	Türkiye		F1B	41° 04.000 N	028° 57.000 E	KN41lb	III		0700, 1600	active
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6425.0	NME	Boston	USA	United States		F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	0030, 0140, 1218	active
8416.5	NME	Boston	USA	United States		F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	0030, 0140, 1218, 1630	active
12579.0	NME	Boston	USA	United States		F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	0030, 0140, 1218, 1630	active
16806.5	NMF	Boston	USA	United States	[D]	F1B	41° 39.000 N	070° 33.000 W	FN41sr	IV	EE	1630	active
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6448.0	PWZ33	Rio de Janeiro	BRA	Brazilian Navy		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	0230, 0400, 0600, 1430, 1845, 2130	active
8580.0	PWZ33	Rio de Janeiro	BRA	Brazilian Navy		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87hb	V	PP	0230, 0400, 0600, 1430, 1845, 2130	active
12709.0	PWZ33	Rio de Janeiro	BRA	Brazilian Navy		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	0230, 0400, 0600, 1430, 1845, 2130	active
16974.0	PWZ33	Rio de Janeiro	BRA	Brazilian Navy		F1B & J2D	22° 56.000 S	043° 20.000 W	GG87ib	V	PP	0230, 0400, 0600, 1430, 1845, 2130	active
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4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05rn	VI	SS/EE	0030, 0300, 1000, 1400, 1530, 1900, 2100	active
4210.0	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	0530, 2300	active
8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	0030, 0300, 1000, 1400, 1530, 1900, 2100	active
8416.5	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	0530, 1300, 1830, 2300	active
12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	0030, 0300, 1000, 1400, 1530, 1900, 2100	active
12579.0	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	0530, 1300, 1830, 2300	active
16806.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27.000 S	058° 35.000 W	GF05qn	VI	SS/EE	0030, 1400, 1530, 1900, 2100	active
19680.5	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51.000 S	067° 25.000 W	FE64gd	VI	SS/EE	1300, 1830	active
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4210.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		1430, 1830	active
4210.0	SUZ	Serapeum (Ismailia)	EGY	Egypt		F1B	30° 28.000 N	032° 22.000 E	KM60el	IX		0630	active
6314.0	SUZ	Serapeum (Ismailia)	EGY	Egypt		F1B	30° 28.000 N	032° 22.000 E	KM60el	IX		1030	active
8416.5	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		0530, 1230	active
8416.5	SUZ	Serapeum (Ismailia)	EGY	Egypt		F1B	30° 28.000 N	032° 22.000 E	KM60el	IX		1430	active
12579.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12.000 N	057° 17.000 E	LL87pe	IX		0830, 1030	active
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47??	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	0250, 0650, 1350, 2350	active
4212.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	1200, 1600, 2000	active
4219.0	XSQ	Guangzhou	CHN	China		F1B	23° 09.560 N	113° 30.800 E	OL63sd	XI	CC	1520, 2220	active
6326.0	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC	0250, 0650, 0850, 1350, 2350	active
8417.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	0500, 0700, 1200, 1600, 2000, 2300	active
8425.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	0250, 0650, 0850, 1350, 2350	active
12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	0230, 0500, 0900, 1500, 1900, 2315	active

12581.5	XSV	Tianjin	CHN	China		F1B	39° 02.000 N	117° 26.000 E	OM89ra	XI	CC	0500, 0700, 1200, 1600, 2000, 2300	active
12637.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	0250, 0650, 0850, 1350, 2350	active
16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	0230, 0500, 0900, 1500, 1900, 2315	active
16898.5	XSG	Shanghai	CHN	China		F1B	31° 06.790 N	121° 32.790 E	PM01sc	XI	CC/EE	0250, 0650, 0850, 1350, 2350	active
22376.0	NRV	Guam	GUM	Guam		F1B	13° 29.000 N	144° 50.000 E	QK23kl	XI	EE	0230, 0500, 0900, 1500, 1900, 2315	active

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6324.5	KPH	San Francisco	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	0050	Saturdays & Special Events	active
8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	0130, 0730, 1330, 2030	active	
8416.5	NMC	Point Reyes	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	0005, 1800	active	
12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	0130, 0730, 1330, 2030	active	
12585.0	KPH	San Francisco	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	0050	Saturdays & Special Events	active
16806.5	NMC	Point Reyes	USA	United States		F1B	37° 56.000 N	122° 44.000 W	CM87pw	XII	EE	0005, 1800	active	
22376.0	NMO	Honolulu, HI	HWA	Hawaii	[C]	F1B	21° 26.000 N	158° 09.000 W	BL01wk	XII	EE	0130, 2030	active	

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8416.5		Callao	PRU	Peru		F1B	12° 03.000 S	077° 07.000 W	FH17kw	XVI		1600	planned
8416.5		Mollendo	PRU	Peru		F1B	17° 01.000 S	072° 01.000 W	FH17kx	XVI		2100	planned
8416.5	OBY2	Paita	PRU	Peru		F1B	05° 05.000 S	081° 07.000 W	EI94kV	XVI		2000	planned

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8416.5	VFF	Iqaluit CG NU	CAN	Canada	[A]	F1B	63° 43.700 N	068° 33.000 W	FP53rr	XVII	EE	0330, 1530	mid-May to Mid-December	active
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4210.0	LGV	Vardø - Hammerfest	NOR	Norway	[A]	F1B	78° 43.001 N	023° 47.540 E	KQ10vr	XIX	EE	0645, 1115, 1845, 2315	active
8416.5	LGV	Vardø - Hammerfest	NOR	Norway	[B]	F1B	78° 43.001 N	023° 47.540 E	KQ10vr	XIX	EE	0630, 1100, 1830, 2300	active

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8416.5	UAT	Moscow Radio	RUS	Russia		F1B	55° 51.000 N	038° 14.000 E	KO95cu	XX	EE	1915	active
12579.0	UAT	Moscow Radio	RUS	Russia		F1B	55° 51.000 N	038° 14.000 E	KO95cu	XX	EE	0715	active

Note# - PWZ33 Brazilian Navy also operates in the PACTOR FEC Mode J2D at 200bd on request

SECTION THREE:

KEY TO ABBREVIATIONS USED:

Language:	ABB:
Arabic	AA
Chinese	CC
Dutch	DD
English	EE
French	FF
Georgian	GE
German	GG
Greek	GK
Hindi	HIN
Icelandic	IS
Japanese	JJ
Italian	IT
Korean	KO
Norwegian	NO
Persian	PE
Portuguese	PP
Russian	RR
Serbo-Croat	SC
Spanish	SS
Turkish	TT
Unknown	??
Urdu	UR
Vietnamese	VV

Abbreviation:	Meaning:
24H	= 24 Hour
bd	= Baud
COU	= NDB List Country Code is used
F1B	= SITOR Mode B
FEC	= Forward Error Correction
GISIS	= Global Integrated Shipping Information System
HF	= High Frequency
IMO	= International Maritime Organisation
Lang.	= Language
MSI	= Maritime Safety Information
NAVTEX	= Navigational Telex
n/a	= Not Applicable
NBDP	= Narrow Band Direct Printing
Nm	= Nautical Miles
QSL	= QSL – Q Code for Verification of Reception
RTTY	= Radio Teletype
SITOR	= Simplex Teletype Over Radio
SNR	= Signal to Noise Ratio
WWNWS	= World Wide Navigational Warning Service

SECTION FOUR: CREDITS & SOURCES:

My thanks to all the following for their assistance, which is always much appreciated:

Admiralty Weekly Notices to Mariners
Admiralty List of Radio Signals, Volume 5

Cormac Gebruers EI4HQ, Ireland

GMDSS Circular

IHO CPRNW reports & Circulars

IMO GISIS Database

IMO Master Plan for the GMDSS

NAVTEX DX List

NDB List Info website

REU/RNA/RWW online database:

Richard Reese

Servicio de Radioavisos a los Navegantes

Tobias Tauffer T²

WMO website

WWNWS Reports

<https://groups.io/g/navtexdx/>

<https://www.ndblist.info>

<https://rxx.classaxe.com/en/reu/signals>

SECTION FIVE: CHANGELOG:

- | | | |
|------|----------------------------------|--|
| V1.2 | 1 st of February 2024 | Numerous minor updates, and the addition of some information about the Chinese stations which was taken from the WWNWS reports, but which doesn't appear in the IMO GISIS database. It will be noticed that the extra section showing the lists in navarea order has been removed from this edition, and this is mainly due to a lack of time to update this, but it will be re-introduced as and when time permits. Also, due to Turkey recently having 'officially' changed its name to Türkiye, all its entries have been updated to reflect this. |
| V1.3 | 6 th of February 2024 | Made some changes to the Olympia Radio entry as this was monitored on air at times not shown in the 'official' listings on weekdays, these new times may not be accurate Or regular, but at least it indicates that it might be worth monitoring this channel at those times. Also, some Chinese entries show 4??? Rather than an actual frequency, and this is because some data says that they now operate on 4 MHz as well, though no actual frequencies are shown, so this can't be verified. If anyone does hear them on any 4 MHz channels I would be very pleased to hear about it. |
| V1.4 | 9 th of February 2024 | Re-introduced the 'sorted by navarea' section after I finally found time to update the information in it. |