

## ENR 4. 无线电导航设施/系统 RADIO NAVIGATION AIDS/SYSTEMS

## ENR 4.1 航路无线电导航设施 RADIO NAVIGATION AIDS—EN-ROUTE

台名 Station	设施 Service	识别 ID	频率 Frequency (CH)	工作 时间 Hours of operation	坐标 Coordinates	标高 ELEV	附注 Remarks
阿勒泰 Altay	VOR/DME	TAI	114.3 MHz CH 90X	HO	N47°44.8' E088°05.0'		
庵东 Andong	VOR/DME	AND	114.8 MHz CH 95X	HO	N30°15.4' E121°13.3'		Beyond 16NM on R184° U/S
柏鹤寺 Baihesi	VOR/DME	BHS	117.9 MHz CH 126X	HO	N30°30.7' E104°12.0'		See ZUUU AD 2.19
半塔集 Bantaji	NDB	OF	340 KHz	HO	N32°40.4' E118°34.7'		
抱龙 Baolong	NDB	WL	426 KHz	HO	N18°29.3' E109°24.2'		See ZJSY AD 2.19
包头 Baotou	VOR/DME	BAV	117.3 MHz CH 120X	HO	N40°33.4' E109°59.9'		
奔牛 Benniu	NDB	ZJ	217 KHz	HO	N31°56.5' E119°42.6'		See ZSCG AD2.19
百色 Bose	VOR/DME	BSE	115.9 MHz CH 106X	HO	N23°53.5' E106°38.7'		For VOR/DME: R005°-R085° clockwise and R200°-R210° clockwise U/S. For DME: beyond 30NM on R134° and BTN 11-50NM on R095° U/S. For VOR: BTN 33-40NM on R095° U/S.
岑村 Cencun	VOR/DME	CEN	114.6 MHz CH 93X	HO	N23°09.1' E113°25.0'		See ZGGG AD2.19
茶庵 Cha'an	VOR/DME	HFC	111.8 MHz CH 55X	HO	N32°04.8' E116°46.1'	47m	See ZSOF AD2.19
昌北 Changbei	VOR/DME	NCH	115.1 MHz CH 98X	HO	N28°53.1' E115°54.7'		See ZSCN AD2.19
昌都 Changdu	NDB	RG	247 KHz	HO	N31°08.8' E097°10.6'		BRG 006° and 051° U/S; BTN 0-8NM and 13- 16NM and 21- 25NM ON BRG 021° U/S; BTN 0-13NM on BRG 038° U/S
长海 Changhai	VOR/DME	CHI	116.8 MHz CH 115X	HO	N39°16.0' E122°37.0'		
长生桥 Changshengqiao	VOR/DME	SHC	111.0 MHz CH 47X	HO	N29°25.9' E106°43.7'	500m	See ZUCK AD2.19

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长武 Changwu	NDB	HO	375 KHz	HO	N35°12.6' E107°46.1'		Beyond 34NM and 14-16NM/ 19.5-23NM/ 28- 29NM of bearing 317° U/S
长治 Changzhi	NDB	SQ	398 KHz	HO	N36°14.4' E113°07.0'		Beyond 17NM on BRG170° U/S,beyond 12NM on BRG 259° U/S,BTN4- 5NM and beyond 17NM on BRG 344° U/S
朝阳 Chaoyang	VOR/DME	CHG	114.5 MHz CH 92X	HO	N41°32.2' E120°26.0'		For VOR:R108°- R110° clockwise U/S; For DME:R106°- R111° clockwise U/S
车道峪 Chedaoyu	NDB	CDY	625 KHz	HO	N40°34.7' E117°13.4'		
成都/双流西南远台 CHENGDU/ Shuangliu LOM 02	NDB	ZW	260 KHz	HO	N30°30.0' E103°54.5'		See ZUUU AD 2.19
程海 Chenghai	VOR/DME	CEH	113.4 MHz CH 81X	HO	N26°39.9' E100°43.2'		See ZPLJ AD 2.19
崇州 Chongzhou	VOR/DME	CZH	114.5 MHz CH 92X	HO	N30°38.7' E103°41.2'		See ZUUU AD 2.19
从化 Conghua	VOR/DME	CON	113.0 MHz CH 77X	HO	N23°35.3' E113°35.2'	76.9m	See ZGGG AD 2.19
大虎山 Dahushan	VOR/DME	DHN	116.5 MHz CH 112X	HO	N41°38.7' E122°06.9'		
大校场 Dajiaochang	NDB	A	511 KHz	HO	N31°59.1' E118°47.6'		See ZSNJ AD 2.19
大理 Dali	VOR/DME	DAL	112.6 MHz CH 73X	HO	N25°38.6' E100°19.4'		For DME: R065°-R107° clockwise U/S.
大连 Dalian	VOR/DME	DBL	115.4 MHz CH 101X	HO	N38°57.7' E121°34.2'		See ZYTL AD 2.19
丹东 Dandong	VOR/DME	DDG	113.9 MHz CH 86X	HO	N40°15.4' E124°17.0'		R005°-R035° and R043°- R195° clock- wise U/S; Beyond 20NM of R003° U/S; For DME: Beyond 10NM of R188° U/S; 15-20NM of R209°, beyond 13NM of R210° U/S

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党家庄 Dangjiazhuang	NDB	DP	226 KHz	HO	N36°46.4' E117°22.2'		See ZSJM AD 2.19
党山 Dangshan	VOR/DME	DSH	117.3 MHz CH 120X	HO	N30°08.9' E120°30.1'		See ZSHC AD 2.19
大榕江 Darongjiang	NDB	VQ	398 KHz	HO	N25°33.7' E110°28.6'		See ZGKL AD 2.19
大托铺 Datuopu	NDB	ZK	520 KHz	HO	N28°01.1' E112°57.8'		
大托铺南近台 Datuopunanjintai	NDB	Z	252 KHz	HO	N28°02.8' E112°57.7'		See ZGHA AD 2.19
大王庄 Dawangzhuang	VOR/DME	VYK	112.7 MHz CH 74X	HO	N39°11.7' E116°34.3'		
磴口 Dengkou	VOR/DME	DKO	113.5 MHz CH 82X	HO	N40°18.9' E106°59.8'		
东木兰头 Dongmulantou	VOR/DME	MLT	112.7 MHz CH 74X	HO	N20°09.1' E110°40.4'		See ZJHK AD 2.19
东山 Dongshan	VOR/DME	DST	109.2 MHz CH 29X	HO	N27°45.0' E120°37.8'		See ZSWZ AD 2.19
东羊角 Dongyangjiao	NDB	PU	296 KHz	HO	N41°30.4' E123°17.5'		See ZYTX AD 2.19
东营 Dongying	VOR/DME	DYN	114.0 MHz CH 87X	HO	N37°31.7' E118°47.2'		
敦煌 Dunhuang	VOR/DME	DNH	115.5 MHz CH 102X	HO	N40°09.9' E094°50.1'		
额济纳旗 Ejinaqi	VOR/DME	JNQ	112.7 MHz CH 74X	HO	N41°59.4' E101°03.0'	948.8m	
恩施 Enshi	VOR/DME	ENH	114.7 MHz CH 94X	HO	N30°17.5' E109°36.1'		
二连浩特 Erenhot	VOR/DME	LHT	112.5 MHz CH 72X	HO	N43°24.8' E112°07.6'		
二塘 Ertang	NDB	QP	213 KHz	HO	N24°40.2' E110°46.6'		BTN 8-14NM and 20-34NM on BRG131°, BTN 10-20NM on BRG 143°, BTN 10-19NM and 39-42NM on BRG 141°, beond 11 NM on BRG 093° U/S

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富家场 Fujiachang	VOR/DME	FJC	113.9 MHz CH 86X	HO	N29°55.7' E104°18.2'		
阜康 Fukang	VOR/DME	FKG	116.3 MHz CH 110X	HO	N44°10.4' E087°59.0'		See ZWWW AD 2.19
涪陵 Fuling	VOR/DME	FLG	114.0 MHz CH 87X	HO	N29°42.0' E107°22.7'		For DME: R199°-R240° clockwise and beyond 33NM of R256° U/S
福清 Fuqing	VOR/DME	FQG	117.4 MHz CH 121X	HO	N25°44.4' E119°23.1'		See ZSFZ AD 2.19
福州 Fuzhou	VOR/DME	FOC	116.8 MHz CH 115X	HO	N25°56.6' E119°39.8'		See ZSFZ AD 2.19
阜阳 Fuyang	VOR/DME	FYG	112.9MHz CH 76X	HO	N32°53.0' E115°43.8'		
扶余 Fuyu	VOR/DME	FYU	113.7MHz CH 84X	HO	N44°54.7' E124°48.2'		Within 15NM of R243° for DME U/S
高栏 Gaolan	NDB	UJ	204 KHz	HO	N21°55.2' E113°17.6'		See ZGSZ AD 2.19
高要 Gaoyao	VOR/DME	GYA	116.5 MHz CH 112X	HO	N23°04.2' E112°29.2'		See ZGGG AD 2.19
耿马 Gengma	VOR/DME	GMA	114.7 MHz CH 94X	HO	N23°31.7' E099°24.5'	1 147m	R150°-R215° clockwise U/S
观澜 Guanlan	VOR/DME	GLN	112.0 MHz CH 57X	HO	N22°42.5' E114°02.0'		See ZGSZ AD 2.19
贵阳 Guiyang	VOR/DME	KWE	114.3 MHz CH 90X	HO	N26°31.4' E106°47.7'		See ZUGY AD 2.19
海青 Haiqing	NDB	IJ	394 KHz	HO	N47°52.1' E134°38.7'		Bearing 130°- 060° clockwise, within 20NM on bearing 081° U/S
哈密 Hami	VOR/DME	HMI	115.1 MHz CH 98X	HO	N42°50.1' E093°38.2'		
杭州 Hangzhou	VOR/DME	HGH	113.0 MHz CH 77X	HO	N30°14.4' E120°27.7'		See ZSHC AD 2.19

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哈尔滨 Harbin	VOR/DME	HRB	112.5 MHz CH 72X	HO	N45°37.6' E126°15.6'		See ZYHB AD 2.19
荷包湖 Hebaohu	NDB	DA	274 KHz	HO	N30°41.9' E113°58.3'		See ZHHH AD 2.19
黑河 Heihe	VOR/DME	HEK	114.0 MHz CH 87X	HO	N50°10.1' E127°18.6'		R330°-R190° clockwise U/S.
河口 Hekou	VOR/DME	HOK	116.0MHz CH107X	HO	N31°19.5' E114°25.8'		
合流水 Heliushui	NDB	DS	250 KHz	HO	N30°12.0' E106°50.9'		BRG 014°U/S.
横沙 Hengsha	VOR/DME	HSH	114.4 MHz CH 91X	HO	N31°22.1' E121°50.8'		See ZSPD AD 2.19
衡水 Hengshui	NDB	HG	350 KHz	HO	N37°43.0' E115°42.3'		
河西 Hexi	NDB	SB	319 KHz	HO	N27°44.4' E102°09.9'		See ZUXC AD 2.19
呼和浩特 Hohhot	VOR/DME	HET	116.9 MHz CH 116X	HO	N40°43.5' E111°54.0'		See ZBHH AD 2.19
和田 Hotan	VOR/DME	HTN	113.1 MHz CH 78X	HO	N37°02.2' E079°52.1'		See ZWTN AD 2.19
淮安 Huainan	VOR/DME	HUN	113.3 MHz CH 80X	HO	N33°46.4' E119°06.6'		See ZSSH AD 2.19
怀来 Huailai	NDB	KM	360 KHz	HO	N40°23.3' E115°29.8'		
怀柔 Huairou	VOR/DME	HUR	113.6 MHz CH 83X	HO	N40°19.8' E116°44.9'		See ZBAA AD 2.19
黄城 Huangcheng	VOR/DME	HCH	116.1 MHz CH108X	HO	N37°39.3' E120°32.6'		
黄平 Huangping	VOR/DME	KHP	113.4 MHz CH81X	HO	N26°58.4' E107°59.5'	943m	
黄山 Huangshan	VOR/DME	TXN	116.1 MHz CH108X	HO	N29°44.3' E118°15.2'		See ZSTX AD 2.19
花垣 Huayuan	VOR/DME	HUY	112.0 MHz CH 57X	HO	N28°34.8' E109°27.0'		
湖光 Huguang	NDB	LH	356 KHz	HO	N21°08.1' E110°20.0'		

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海拉尔 Hailar	VOR/DME	HLD	115.1 MHz CH 98X	HO	N49°12.2' E119°49.3'		See ZBLA AD 2.19
佳木斯 Jiamusi	VOR/DME	JMU	113.5 MHz CH 82X	HO	N46°50.5' E130°27.9'	88m	See ZYJM AD 2.19
江北 Jiangbei	VOR/DME	CKG	116.1 MHz CH 108X	HO	N29°44.8' E106°39.2'	418m	See ZUCK AD2.19
笕桥 Jianqiao	NDB	CJ	324 KHz	HO	N30°18.3' E120°10.0'		See ZSHC AD 2.19
嘉峪关 Jiayuguan	VOR/DME	CHW	114.5 MHz CH 92X	HO	N39°51.3' E098°21.0'		DME: BTN 58NM and 63NM on R310° U/S
济南 Jinan	VOR/DME	YQG	113.7MHz CH 84X	HO	N36°50.0' E117°12.9'		See ZSJN AD2.19
静宁 Jingning	VOR/DME	JIG	113.7 MHz CH 84X	HO	N35°31.9' E105°43.4'		
景泰 Jingtai	VOR/DME	JTA	114.9 MHz CH 96X	HO	N37°11.8' E104°04.8'		
晋江 Jinjiang	VOR/DME	JNJ	117.0 MHz CH 117X	HO	N24°48.1' E118°35.8'		See ZSQZ AD 2.19
晋宁 Jinning	VOR/DME	XSJ	108.2 MHz CH 19X	HO	N24°41.0' E102°48.0'	2 345m	See ZPPP AD 2.19
金堂 Jintang	VOR/DME	JTG	115.4 MHz CH 101X	HO	N30°52.3' E104°23.4'		For DME:R170°- R205° clockwise U/S.
九亭 Jiuting	VOR/DME	JTN	109.6 MHz CH 33X	HO	N31°07.4' E121°20.5'		See ZSSS AD 2.19
九洲 Jiuzhou	VOR/DME	ZAO	117.2 MHz CH 119X	HO	N22°14.7' E113°36.7'		
开原 Kaiyuan	VOR/DME	KYU	114.9 MHz CH 96X	HO	N42°37.9' E124°00.4'		

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喀 什 Kashi	VOR/DME	KHG	115.7 MHz CH 104X	HO	N39°32.8' E076°01.4'	1 391m	See ZWSH AD 2.19
寇 岭 Kouling	VOR/DME	KLX	110.6 MHz CH 43X	HO	N34°15.9' E109°14.9'	908m	See ZLXY AD 2.19
库 车 Kuqa	VOR/DME	KCA	114.5 MHz CH 92X	HO	N41°42.9' E082°59.7'		For VOR: R025° -R052°, R105°- R115°, 145°-155° ° and 254°-328° (except R254°, R264°, R313° and R328°), beyond 12NM on R244°, beyond 9NM on R254°U/S.  For DME: R145° -190° and R229° -052° (except R230°, R244°, R254°, R264°, R313°, and R328°), beyond 25NM on R244°, beyond 15NM on R254°U/S.
来 宾 Laibin	VOR/DME	LBN	113.7 MHz CH 84X	HO	N23°45.8' E109°08.8'	126m	
兰 州 Lanzhou	VOR/DME	ZGC	114.3 MHz CH 90X	HO	N36°30.9' E103°37.5'		See ZLLL AD 2.19
莱 阳 Laiyang	NDB	FD	298 KHz	HO	N36°55.8' E120°37.9'		
老 粮 仓 Laoliangcang	VOR/DME	LLC	116.2 MHz CH 109X	HO	N28°04.1' E112°12.5'		
拉 萨 Lhasa	VOR/DME	LXA	113.1 MHz CH 78X	HO	N29°17.8' E090°59.9'		See ZULS AD 2.19
凉 城 Liangcheng	NDB	SZ	282 KHz	HO	N40°31.1' E112°29.7'		
良 乡 Liangxiang	NDB	JR	475KHz	HO	N39°43.2' E116°05.7'		See ZBAA AD 2.19

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连江 Lianjiang	VOR/DME	LJG	117.6 MHz CH 123X	HO	N26°13.2' E119°32.9'		See ZSFZ AD 2.19
连胜围 Lianshengwei	VOR/DME	ZUH	116.7 MHz CH 114 X	HO	N22°13.3' E113°28.0'		See ZGSZ AD 2.19
荔波 Libo	VOR/DME	GLB	112.8MHz CH75X	HO	N25°27.3' E107°57.8'	853.6m	
李家 Lijia	NDB	RP	210 KHz	HO	N28°37.1' E115°42.5'		See ZSCN AD 2.19
丽江 Lijiang	VOR/DME	LJA	113.7 MHz CH 84 X	HO	N26°46.4' E100°16.4'		See ZPLJ AD 2.19
醴陵 Liling	VOR/DME	LIG	112.4 MHz CH 71X	HO	N27°38.9' E113°31.0'	85m	
临澧 Linli	VOR/DME	LIN	117.5 MHz CH 122X	HO	N29°21.2' E111°38.9'	108m	
柘社 Lishe	NDB	BK	227 KHz	HO	N29°53.7' E121°20.0'		See ZSNB AD 2.19
溇水 Lishui	NDB	GS	297 KHz	HO	N31°39.1' E119°02.5'		See ZSNJ AD 2.19
六盘水 Liupanshui	VOR/DME	LPS	116.3MHz CH 110X	HO	N26°38.6' E105°01.8'		
龙口 Longkou	VOR/DME	LKO	115.8 MHz CH 105X	HO	N29°54.4' E113°41.5'		
龙门 Longmen	VOR/DME	LMN	116.3 MHz CH 110X	HO	N23°38.9' E114°19.6'	39m	See ZGGG AD2.19
龙枣村 Longzaocun	VOR/DME	LCZ	109.0 MHz CH 27X	HO	N34°27.1' E108°47.6'	474m	See ZLXY AD 2.19
龙州 Longzhou	VOR/DME	LON	112.2 MHz CH 59X	HO	N22°21.4' E106°52.1'		
滦县 Luanxian	VOR/DME	LUX	117.1 MHz CH 118X	HO	N39°44.5' E118°43.6'		



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芦冲 Luchong	NDB	SV	345 KHz	HO	N28°13.0' E113°20.9'		See ZGHA AD 2.19
禄口 Lukou	VOR/DME	NJL	113.6 MHz CH 83X	HO	N31°45.3' E118°53.2'		See ZSNJ AD 2.19
骆岗 Luogang	VOR/DME	HFE	116.7 MHz CH 114X	HO	N31°46.5' E117°18.1'	37.9m	See ZSOF AD 2.19
泸西 Luxi	VOR/DME	LXI	112.3 MHz CH 70X	HO	N24°32.5' E103°44.6'		BTN 70.2-83NM on R105° U/S.
马龙 Malong	VOR/DME	DJT	114.6 MHz CH 93X	HO	N25°31.9' E103°36.3'	2 272m	See ZPPP AD 2.19
满洲里 Manzhouli	VOR/DME	MZL	113.1 MHz CH 78X	HO	N49°19.7' E117°38.7'		See ZBMZ AD 2.19
觅子 Mizi	VOR/DME	MIZ	109.6 MHz CH 33X	HO	N34°49.2' E108°59.7'	631m	See ZLXY AD 2.19
秣陵 Moling	VOR/DME	MLJ	117.05 MHz CH 117X	HO	N31°50.7' E118°51.3'		See ZSNJ AD 2.19
牡丹江 Mudanjiang	VOR/DME	MDJ	117.1 MHz CH 118X	HO	N44°30.9' E129°33.8'		See ZYMD AD 2.19
那拉提 Nalati	VOR/DME	NLT	115.5 MHz CH 102X	HO	N43°26.1' E083°22.9'	935m	
南充 Nanchong	VOR/DME	GAO	117.4 MHz CH121X	HO	N30°48.6' E106°11.3'		
南丰 Nanfeng	NDB	NF	292 KHz	HO	N27°12.5' E116°33.5'		
南康 Nankang	VOR/DME	BHY	117.1 MHz CH118X	HO	N21°35.2' E109°25.9'		
南朗 Nanlang	VOR/DME	NLG	117.7 MHz CH 124X	HO	N22°31.9' E113°33.7'		See ZGSZ AD 2.19
南宁 Nanning	VOR/DME	WUY	112.4 MHz CH 71X	HO	N22°35.1' E108°08.9'		See ZGNN AD 2.19

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南通 Nantong	VOR/DME	NTG	115.6 MHz CH 103X	HO	N32°05.8' E120°58.7'	19m	See ZSNT AD 2.19
南翔 Nanxiang	NDB	PK	208 KHz	HO	N31°17.0' E121°19.8'		See ZSSS AD 2.19
南雄 Nanxiong	VOR/DME	NNX	115.6 MHz CH 103X	HO	N25°05.7' E114°16.4'	39m	
南浔 Nanxun	VOR/DME	NXD	116.5 MHz CH 112X	HO	N30°53.8' E120°25.8'		
南盈宾岛 Nanyingbindao	VOR/DME	NYB	113.3 MHz CH 80X	HO	N20°00.9' E110°08.2'		See ZJHK AD 2.19
宁陕 Ningshan	VOR/DME	NSH	116.3 MHz CH 110X	HO	N33°19.1' E108°18.7'		For VOR: R255°-R350°, R025°-R195° (except R071°, R029° and R259°) clock- wise U/S;beyond 18NM,19NM,21 NM and 23NM U/S; For DME:R250°- R353°,R001°- R214°(except R071°,R015°, R029° and R259°) clock- wise U/S;beyond 12NM,13NM,18 NM and 20NM U/S; For VOR/DME: R071° for DEP PROC,R015°, R029° for ARR PROC,R259° U/S
牛岭 Niuling	VOR/DME	JCS	116.6 MHz CH 113X	HO	N23°35.9' E116°24.7'		See ZGOW AD 2.19
盘龙 Panlong	VOR/DME	XFA	110.8 MHz CH 45X	HO	N25°24.1' E102°56.0'	2 761m	See ZPPP AD 2.19
蟠龙 Panlong	VOR/DME	PLT	111.6 MHz CH 53X	HO	N25°48.5' E114°52.5'		

台名 Station	设施 Service	识别 ID	频率 Frequency (CH)	工作 时间 Hours of operation	坐标 Coordinates	标高 ELEV	附注 Remarks
蓬莱 Penglai	VOR/DME	YCS	116.4 MHz CH 111X	HO	N37°40.7' E121°00.0'	48m	See ZSYT AD 2.19
平洲 Pingzhou	VOR/DME	POU	114.1 MHz CH 88X	HO	N23°01.3' E113°11.4'	27m	See ZGGG AD 2.19
邳县 Pixian	VOR/DME	DPX	112.4 MHz CH 71X	HO	N34°16.7' E117°59.9'		
泊头 Potou	VOR/DME	BTO	115.9 MHz CH 106X	HO	N38°06.3' E116°34.6'		
浦东 Pudong	VOR/DME	PUD	116.9 MHz CH 116X	HO	N31°10.3' E121°47.0'		See ZSPD AD 2.19
黔西 Qianxi	VOR/DME	QNX	113.1 MHz CH 78X	HO	N27°02.5' E106°01.8'		
且末 Qimo	VOR/DME	QIM	114.3 MHz CH 90X	HO	N38°09.1' E085°32.2'		For DME: BTN 4.5-5.5NM and 6.5-6.8NM on R195° U/S.
奇峰岭 Qifengling	NDB	Y	417 KHz	HO	N25°10.3' E110°19.1'		See ZGKL AD 2.19
綦江 Qijiang	VOR/DME	QJG	112.7 MHz CH 74X	HO	N29°03.1' E106°39.9'		VOR: BTN R030°/ R035° clockwise and beyond 15NM on R002° U/S. DME: BTN R015°/R073° and R114°/R121° clockwise U/S.
青白口 Qingbaikou	NDB	CD	422 KHz	HO	N40°00.8' E115°48.3'		Beyond 25NM on BRG 112°,within 12NM on BRG 119°,beyond 18NM on BRG 154°,within 9NM and beyond 21NM on BRG 225°,within 9NM on BRG 236°,beyond 18NM on BRG 262° U/S.
青岛 Qingdao	VOR/DME	TAO	117.5 MHz CH 122X	HO	N36°17.3' E120°22.2'		See ZSQR AD 2.19
庆阳 Qingyang	VOR/DME	QIY	113.4 MHz CH 81X	HO	N35°47.8' E107°35.9'		
齐齐哈尔 Qiqihar	VOR/DME	NDG	112.9 MHz CH 76X	HO	N47°14.7' E123°55.2'		See ZYQQ AD 2.19
奇台 Qitai	VOR/DME	QTV	112.1 MHz CH 58X	HO	N43°59.3' E089°36.7'		

台名 Station	设施 Service	识别 ID	频率 Frequency (CH)	工作 时间 Hours of operation	坐标 Coordinates	标高 ELEV	附注 Remarks
群力 Qunli	NDB	GT	276 KHz	HO	N31°47.2' E119°03.3'		See ZSNJ AD 2.19
日喀则 Rikaze	VOR/DME	RKZ	113.5 MHz CH 82X	HO	N29°21.3' E089°16.3'		VOR:BTN R000°-R005° (clockwise) U/S; DME: BTN R352°-R012°, R177°- R182°(clockwise ) U/S.
三江 Sanjiang	VOR/DME	SJG	116.8 MHz CH 115X	HO	N25°46.6' E109°36.6'	342m	
三峡 Sanxia	VOR/DME	YIH	116.9 MHz CH 116X	HO	N30°33.8' E111°28.6'		
三亚 Sanya	VOR/DME	SYX	112.5 MHz CH 72X	HO	N18°18.6' E109°10.4'		See ZJSY AD 2.19
三原 Sanyuan	NDB	OD	202 KHz	HO	N34°35.9' E108°54.9'		See ZLXY AD 2.19
三灶 Sanzao	NDB	U	272KHz	HO	N21°59.3' E113°21.3'		
莎车 Shache	VOR/DME	SCH	113.3 MHz CH 80X	HO	N38°25.7' E077°14.5'		For DME: R030°-R035°, R220° ,R222°- R232° and R279°-R290° U/S,within 10 NM on R050° U/S
上饶 Shangrao	VOR/DME	SHR	114.0 MHz CH 87X	HO	N28°25.0' E117°58.2'		
汕头 Shantou	VOR/DME	SWA	112.6 MHz CH 73X	HO	N23°26.4' E116°46.0'		
嵊州 Shengzhou	VOR/DME	SHZ	113.4 MHz CH 81X	HO	N29°36.0' E120°49.0'		See ZSHC AD 2.19
沈阳 Shenyang	VOR/DME	SEY	114.1 MHz CH 88X	HO	N41°38.5' E123°28.7'	58.7m	See ZYTXX AD 2.19

台名 Station	设施 Service	识别 ID	频率 Frequency (CH)	工作 时间 Hours of operation	坐标 Coordinates	标高 ELEV	附注 Remarks
石各庄 Shigezhuang	NDB	VM	280 KHz	HO	N39°17.8' E116°54.1'		
石龙 Shilong	VOR/DME	SHL	115.7 MHz CH 104X	HO	N23°05.5' E113°51.0'		
石湫 Shiqiu	VOR/DME	SNQ	115.75 MHz CH 104Y	HO	N31°40.8' E118°58.1'		See ZSNJ AD 2.19
双流 Shuangliu	VOR/DME	CTU	115.7 MHz CH 104X	HO	N30°34.4' E103°56.6'		See ZUUU AD 2.19
硕放 Shuofang	VOR/DME	SUF	114.1 MHz CH 88X	HO	N31°29.9' E120°25.9'		See ZSWX AD 2.19
书院 Shuyuan	VOR/DME	XSJ	112.7 MHz CH 74X	HO	N30°55.9' E121°52.4'	27m	See ZSPD AD 2.19
塔城 Tacheng	VOR/DME	TCH	113.1 MHz CH 78X	HO	N46°40.1' E083°20.7'		R220°-R070° clockwise U/S(except 1- 8NM on R285°, and 1.2-8NM on R305°)
太原 Taiyuan	VOR/DME	TYN	113.1 MHz CH 78X	HO	N37°44.9' E112°37.2'	794m	See ZBYN AD 2.19
汤河口 Tanghekou	NDB	YV	514 KHz	HO	N40°44.0' E116°38.0'		Beyond 25NM on BRG 012°, 022°, 298° and 354° U/S.
桃花 Taohua	VOR/DME	THA	114.7 MHz CH 94X	HO	N31°46.7' E117°07.4'	45m	See ZSOF AD2.19
天河 Tianhe	NDB	HG	254 KHz	HO	N30°55.5' E114°21.0'		See ZHHH AD 2.19
天河 Tianhe	VOR/DME	WHA	112.2 MHz CH 59X	HO	N30°46.9' E114°12.2'	43m	See ZHHH AD 2.19
天津 Tianjin	NDB	CG	339 KHz	HO	N39°04.8' E117°22.5'		
天门 Tianmen	VOR/DME	WTM	108.8 MHz CH 25X	HO	N30°38.3' E113°08.6'		Beyond 30NM on R089° U/S
天镇 Tianzhen	VOR/DME	TZH	115.6 MHz CH 103X	HO	N40°24.5' E114°03.1'		On R279° below 7800M BTN 12/23NM, above 7800M BTN 19/23NM U/S

台名 Station	设施 Service	识别 ID	频率 Frequency (CH)	工作 时间 Hours of operation	坐标 Coordinates	标高 ELEV	附注 Remarks
统景场 Tongjingchang	NDB	OS	241 KHz	HO	N29°51.1' E106°50.8'		See ZUCK AD 2.19
通辽 Tongliao	VOR/DME	TGO	116.3 MHz CH 110X	HO	N43°33.6' E122°11.8'		
桐庐 Tonglu	VOR/DME	TOL	115.9 MHz CH 106X	HO	N29°46.0' E119°39.6'	54m	For DME: R098°-R153°, R282°-R315° and R328°- R338° clockwise U/S
铜仁 Tongren	VOR/DME	TRN	115.2 MHz CH 99X	HO	N27°52.1' E109°17.6'	721m	
土木尔台 Tumurtai	VOR/DME	TMR	113.3 MHz CH 80X	HO	N41°50.6' E113°09.2'		
屯里 Tunli	NDB	FZ	247 KHz	HO	N37°27.1' E121°10.7'		See ZSYT AD 2.19
乌鲁木齐 Urumqi	VOR/DME	URC	115.7 MHz CH 104X	HO	N43°54.6' E087°28.5'		See ZWWW AD 2.19
万昌 Wanchang	VOR/DME	LJB	115.9 MHz CH 106X	HO	N43°46.4' E125°51.1'	199m	See ZYCC AD 2.19
王滨沟 Wangbingou	NDB	KY	365 KHz	HO	N41°42.3' E123°44.8'		See ZYT X AD 2.19
汪清 Wangqing	VOR/DME	WQG	112.1 MHz CH 58X	HO	N43°17.6' E129°47.1'		R130°-R205° clockwise U/S, R037°-R055° clockwise for DME U/S
威海 Weihai	VOR/DME	WEH	115.8 MHz CH 105X	HO	N37°11.0' E122°13.6'		See ZSWH AD 2.19
威宁 Weining	NDB	HX	285 KHz	HO	N26°51.6' E104°16.9'		
魏县 Weixian	VOR/DME	WXI	115.7 MHz CH 104X	HO	N36°21.8' E114°55.0'		

台名 Station	设施 Service	识别 ID	频率 Frequency (CH)	工作 时间 Hours of operation	坐标 Coordinates	标高 ELEV	附注 Remarks
闻堰 Wenyan	NDB	WY	572 KHz	HO	N30°07.3' E120°12.1'		See ZSHC AD 2.19
翁源 Wongyuan	VOR/DME	WYN	113.9 MHz CH 86X	HO	N24°21.0' E114°06.7'	43m	Beyond 33NM of R098°U/S
五凤溪 Wufengxi	VOR/DME	WFX	117.1 MHz CH 118X	HO	N30°36.4' E104°29.5'		Beyond 18NM of R300° for VOR U/S; beyond 16NM of R300° for DME U/S;
无极 Wuji	NDB	FL	272 KHz	HO	N38°14.9' E114°53.3'		See ZBSJ AD 2.19
五通 Wutong	NDB	PA	286 KHz	HO	N25°24.3' E110°03.6'		See ZGKL AD 2.19
无锡 Wuxi	VOR/DME	VMB	113.9 MHz CH 86X	HO	N31°44.6' E120°11.5'		
小丹阳 Xiaodanyang	NDB	ID	440 KHz	HO	N31°40.0' E118°43.0'		See ZSNJ AD2.19
西昌 Xichang	VOR/DME	XIC	114.2 MHz CH 89X	HO	N28°00.2' E102°11.0'		See ZUXC AD 2.19
锡林浩特 Xilinhote	VOR/DME	HOT	114.3 MHz CH 90X	HO	N43°54.9' E115°58.0'		
杏林 Xinglin	VOR/DME	XLN	114.7 MHz CH 94X	HO	N24°33.9' E118°00.9'		See ZSAM AD 2.19
行唐 Xingtang	NDB	OC	235 KHz	HO	N38°27.3' E114°33.3'		See ZBSJ AD 2.19
西宁 Xining	VOR/DME	XNN	116.5 MHz CH 112X	HO	N36°31.6' E102°01.8'		See ZLXN AD 2.19
西山 Xishan	VOR/DME	SGM	110.6 MHz CH 43X	HO	N25°04.9' E102°31.2'	2 275m	See ZPPP AD 2.19
浞水 Xishui	VOR/DME	XSH	115.4 MHz CH 101X	HO	N30°26.1' E115°16.0'		See ZHHH AD 2.19
新郑 Xinzheng	VOR/DME	CGO	114.5 MHz CH 92X	HO	N34°31.1' E113°50.6'	158m	See ZHCC AD 2.19
薛家岛 Xuejiadao	VOR/DME	XDZ	110.4 MHz CH 41X	HO	N35°58.7' E120°17.4'		See ZSQD AD 2.19

台名 Station	设施 Service	识别 ID	频率 Frequency (CH)	工作 时间 Hours of operation	坐标 Coordinates	标高 ELEV	附注 Remarks
叙永 Xuyong	VOR/DME	XYO	116.7 MHz CH 114X	HO	N28°10.3' E105°25.2'		
徐州 Xuzhou	VOR/DME	XUZ	114.3 MHz CH90X	HO	N34°03.6' E117°33.0'	6.4m	See ZSXZ AD 2.19
雅布赖 Yabrai	VOR/DME	YBL	115.7MHz CH104X	HO	N39°25.3' E102°46.5'		
延安 Yan'an	VOR/DME	YAV	114.6 MHz CH 93X	HO	N36°41.1' E109°38.1'		
盐城 Yancheng	VOR/DME	YCH	115.3 MHz CH 100X	HO	N33°25.3' E120°12.3'		See ZSYN AD 2.19
延吉 Yanji	VOR/DME	YNJ	113.1 MHz CH 78X	HO	N42°53.0' E129°27.1'	201.6m	See ZYYJ AD 2.19
烟庄 Yanzhuang	NDB	ZS	359 KHz	HO	N34°13.3' E108°51.2'		See ZLXY AD 2.19
扬州 Yangzhou	VOR/DME	SJD	113.1 MHz CH 78X	HO	N32°32.7' E119°43.6'	13m	See ZSYA AD 2.19
姚集 Yaoji	NDB	DO	266 KHz	HO	N34°04.5' E117°48.7'		See ZSXZ AD 2.19
宜宾 Yibin	VOR/DME	YBN	116.5 MHz CH 112X	HO	N28°47.9' E104°33.4'		VOR/DME BTN R355°/R030° clockwise, VOR beyond 22NM on R189°, beyond 23NM on R006°, DME beyond 11NM on R351° and R006°, beyond 12NM on R189° U/S.
银川 Yinchuan	VOR/DME	YHD	112.0 MHz CH 57X	HO	N38°20.8' E106°24.6'	1141m	See ZLIC AD 2.19
英德 Yingde	VOR/DME	YIN	113.5 MHz CH 82X	HO	N24°11.4' E113°24.9'	167m	See ZGGG AD 2.19
义乌 Yiwu	VOR/DME	YEU	113.2 MHz CH 79X	HO	N29°20.3' E120°01.9'	75.5m	See ZSYW AD 2.19
永福 Yongfu	NDB	JW	281 KHz	HO	N25°00.5' E110°01.0'		See ZGKL AD 2.19
运城 Yuncheng	VOR/DME	YCE	112.3 MHz CH 70X	HO	N35°07.1' E111°02.0'		
云和 Yunhe	NDB	BZ	244 KHz	HO	N28°06.1' E119°33.7'		
咎岗镇 Zangangzhen	NDB	JB	403KHz	HO	N39°02.6' E116°11.9'		



台名 Station	设施 Service	识别 ID	频率 Frequency (CH)	工作 时间 Hours of operation	坐标 Coordinates	标高 ELEV	附注 Remarks
泽 当 Zedang	NDB	DM	435 KHz	HO	N29°15.3' E091°45.9'		See ZULS AD 2.19
张 家 界 Zhangjiajie	VOR/DME	DYG	114.4 MHz CH 91X	HO	N29°06.4' E110°26.2'		See ZGDY AD 2.19
张 庄 Zhangzhuang	NDB	AR	520KHz	HO	N36°43.4' E116°55.0'		
昭 通 Zhaotong	VOR/DME	ZAT	115.5 MHz CH 102X	HO	N27°19.4' E103°45.3'		For DME: R053° -056° clockwise U/S.
正 定 Zhengding	VOR/DME	SJW	117.7 MHz CH 124X	HO	N38°16.8' E114°41.9'		See ZBSJ AD 2.19
周 口 Zhoukou	VOR/DME	ZHO	115.5 MHz CH 102X	HO	N33°39.9' E114°39.3'	102m	
舟 山 Zhoushan	VOR/DME	HSN	112.3 MHz CH 70X	HO	N29°55.9' E122°21.8'		
资 阳 Ziyang	VOR/DME	ZYG	112.1 MHz CH 58X	HO	N30°07.1' E104°40.6'		
祖 庵 Zu'an	VOR/DME	ZNX	110.8 MHz CH 45X	HO	N34°06.7' E108°30.2'	431m	See ZLXY AD 2.19