

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**

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
阿克苏 Aksu VOR/DME	AKS	115.1MHz CH 98X	H24	N41°15'42" E080°17'06"	1 185	
阿勒泰 Altay VOR/DME	TAI	114.3MHz CH 90X	H24	N47°44'48" E088°05'00"	753	
庵东 Andong VOR/DME	AND	114.8MHz CH 95X	H24	N30°15'24" E121°13'18"	5	See ZSPD ZSNB AD2.19
安康 Ankang NDB	UF	290kHz	H24	N32°43'48" E108°49'24"		
柏鹤寺 Baihesi VOR/DME	BHS	117.9MHz CH 126X	H24	N30°30'42" E104°12'00"		See ZUUU AD2.19
邦达 Bangda VOR/DME	DCH	113.3MHz CH 80X	H24	N30°31'18" E097°08'30"	4 322	R005 °R100 °clockwise, R180 °R300 °clockwise, beyond 22NM on R003 °and R097 °; beyond 8NM on R258 °U/S.
半塔集 Bantaji NDB	OF	340kHz	H24	N32°40'24" E118°34'42"		
抱龙 Baolong NDB	WL	426kHz	H24	N18°29'18" E109°24'12"		See ZJSY AD2.19
包头 Baotou VOR/DME	BAV	117.3MHz CH 120X	H24	N40°33'24" E109°59'54"	1 019	
奔牛 Benniu NDB	ZJ	217kHz	H24	N31°56'30" E119°42'36"		

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百色 Bose VOR/DME	BSE	115.9MHz CH 106X	H24	N23°53'30" E106°38'42"		For VOR/DME: R175 °R255 °clockwise, R345 °R085 °clockwise (except R005 °, R049 °) U/S. For VOR: Beyond 35NM on R049 °, R097 °R103 ° clockwise, beyond 28NM (beyond 48NM at ALT4200m) on R135 °U/S. For DME: Beyond 32NM at ALT6300m on R005 °, BTN 5-14NM and beyond 22NM on R049 °, BTN 13-42NM on R095 °, beyond 32NM (beyond 60NM at ALT4200m) on R135 ° U/S.
岑村 Cencun VOR/DME	CEN	114.6MHz CH 93X	H24	N23°09'06" E113°25'00"	108	See ZGGG AD2.19
昌北 Changbei VOR/DME	NCH	115.1MHz CH 98X	H24	N28°53'06" E115°54'42"	43	See ZSCN AD2.19
常德 Changde NDB	CD	225kHz	H24	N28°50'54" E111°37'18"		
昌都 Changdu NDB	RG	247kHz	H24	N31°08'48" E097°10'36"		BTN 9-12NM on BRG 059 ° U/S.
长海 Changhai VOR/DME	CHI	116.8MHz CH 115X	H24	N39°16'00" E122°37'00"	46	
长生桥 Changshengqiao VOR/DME	SHC	111.0MHz CH 47X	H24	N29°25'54" E106°43'42"	500	See ZUCK AD2.19
长武 Changwu NDB	HO	375kHz	H24	N35°12'36" E107°46'06"		Within 28NM on BRG 315 ° and within 58NM on BRG 316 ° U/S.
长治 Changzhi NDB	SQ	398kHz	H24	N36°14'24" E113°07'00"		
朝阳 Chaoyang VOR/DME	CHG	114.5MHz CH 92X	H24	N41°32'12" E120°26'00"	183	
茶庵 Cha'an VOR/DME	HFC	111.8MHz CH 55X	H24	N32°04'48" E116°46'06"	47	See ZSOF AD2.19

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车道峪 Chedaoyu NDB	CDY	292kHz	H24	N40°34'42" E117°13'24"		
承德 Chengde VOR/DME	DHC	112.3MHz CH 70X	H24	N41°07'42" E118°02'48"	687	
成都 Chengdu NDB	ZW	260kHz	H24	N30°30'00" E103°54'30"		See ZUUU AD2.19
程海 Chenghai VOR/DME	CEH	113.4MHz CH 81X	H24	N26°39'54" E100°43'12"	2 629	See ZPLJ AD2.19
赤峰 Chifeng VOR/DME	CHF	115.5MHz CH 102X	H24	N42°11'24" E118°48'42"	748	
崇州 Chongzhou VOR/DME	CZH	114.5MHz CH 92X	H24	N30°38'42" E103°41'12"		See ZUUU AD2.19
从化 Conghua VOR/DME	CON	113.0MHz CH 77X	H24	N23°35'18" E113°35'12"	77	See ZGGG AD2.19
大虎山 Dahushan VOR/DME	DHN	116.5MHz CH 112X	H24	N41°38'42" E122°06'54"		
大理 Dali VOR/DME	DAL	112.6MHz CH 73X	H24	N25°38'36" E100°19'24"	2 198	For DME: R065 °R107 ° clockwise ,beyond 20NM below QNH3600m on R020 U/S.
大连 Dalian VOR/DME	DBL	115.4MHz CH 101X	H24	N38°57'42" E121°34'12"	59	See ZYTL AD2.19
丹东 Dandong VOR/DME	DDG	113.9MHz CH 86X	H24	N40°15'24" E124°17'00"	98	
党家庄 Dangjiazhuang NDB	DP	226kHz	H24	N36°46'24" E117°22'12"		See ZSJN AD2.19
党山 Dangshan VOR/DME	DSH	117.3MHz CH 120X	H24	N30°08'54" E120°30'06"	13	See ZSHC AD2.19
大榕江 Darongjiang NDB	VQ	398kHz	H24	N25°33'42" E110°28'36"		See ZGKL AD2.19

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大托铺 Datuopu NDB	ZK	520kHz	H24	N28°01'06" E112°57'48"		
大王庄 Dawangzhuang VOR/DME	VYK	112.7MHz CH 74X	H24	N39°11'42" E116°34'18"		
磴口 Dengkou VOR/DME	DKO	113.5MHz CH 82X	H24	N40°18'54" E106°59'48"		
德新 Dexin VOR/DME	CDX	116.35MHz CH 110Y	H24	N31°15'00" E104°22'48"	540	See ZUUU AD2.19
东木栏头 Dongmulantou VOR/DME	MLT	112.7MHz CH 74X	H24	N20°09'06" E110°40'24"	58	See ZJHK AD2.19
东山 Dongshan VOR/DME	DST	109.2MHz CH 29X	H24	N27°45'00" E120°37'48"	39	See ZSWZ AD2.19
东羊角 Dongyangjiao NDB	PU	296kHz	H24	N41°30'24" E123°17'30"		See ZYTX AD2.19
东营 Dongying VOR/DME	DYN	114.0MHz CH 87X	H24	N37°31'42" E118°47'12"	14	
敦煌 Dunhuang VOR/DME	DNH	115.5MHz CH 102X	H24	N40°09'48" E094°50'42"	1 122	See ZLDH AD2.19
额济纳旗 Ejinaqi VOR/DME	JNQ	112.7MHz CH 74X	H24	N41°59'24" E101°03'00"		
恩施 Enshi VOR/DME	ENH	114.7MHz CH 94X	H24	N30°17'30" E109°36'06"	1 147	
二连浩特 Erenhot VOR/DME	LHT	112.5MHz CH 72X	H24	N43°24'48" E112°07'36"	1 014	
二塘 Ertang NDB	QP	213kHz	H24	N24°40'12" E110°46'36"		
富家场 Fujiachang VOR/DME	FJC	113.9MHz CH 86X	H24	N29°55'42" E104°18'12"		See ZUUU AD2.19

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阜康 Fukang VOR/DME	FKG	116.3MHz CH 110X	H24	N44°10'24" E087°59'00"		
涪陵 Fuling VOR/DME	FLG	114.0MHz CH 87X	H24	N29°42'00" E107°22'42"		See ZUCK AD2.19
福清 Fuqing VOR/DME	FQG	117.4MHz CH 121X	H24	N25°44'24" E119°23'06"		See ZSFZ AD2.19
阜阳 Fuyang VOR/DME	FYG	112.9MHz CH 76X	H24	N32°53'00" E115°43'48"	37	
扶余 Fuyu VOR/DME	FYU	113.7MHz CH 84X	H24	N44°54'42" E124°48'12"		
富蕴 Fuyun VOR/DME	XFY	114.7MHz CH 94X	H24	N46°47'42" E089°32'24"	938	
福州 Fuzhou VOR/DME	FOC	116.8MHz CH 115X	H24	N25°56'36" E119°39'48"		See ZSFZ AD2.19
高栏 Gaolan NDB	UJ	204kHz	H24	N21°55'12" E113°17'36"		See ZGSZ AD2.19
高密 Gaomi NDB	YO	443kHz	H24	N36°26'18" E119°41'18"		
高要 Gaoyao VOR/DME	GYA	116.5MHz CH 112X	H24	N23°04'12" E112°29'12"		See ZGGG AD2.19
耿马 Gengma VOR/DME	GMA	114.7MHz CH 94X	H24	N23°31'42" E099°24'30"		R150 °R215 °clockwise U/S.
观澜 Guanlan VOR/DME	GLN	112.0MHz CH 57X	H24	N22°42'30" E114°02'00"	9	See ZGSZ AD2.19
官庄 Guanzhuang VOR/DME	PEK	114.7MHz CH 94X	H24	N40°02'54" E116°44'06"	62	See ZBAA AD2.19
贵阳 Guiyang VOR/DME	KWE	114.3MHz CH 90X	H24	N26°31'24" E106°47'42"	1 178	See ZUGY AD2.19

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谷塘 Gutang NDB	W	388kHz	H24	N28°13'06" E113°13'00"		See ZGHA AD2.19
固原 Guyuan VOR/DME	GUY	112.6MHz CH 73X	H24	N36°04'48" E106°12'54"	1 735	
海拉尔 Hailar VOR/DME	HLD	115.1MHz CH 98X	H24	N49°12'12" E119°49'18"	667	See ZBLA AD2.19
海青 Haiqing NDB	IJ	394kHz	H24	N47°52'06" E134°38'42"		Bearing 130 °060 ° clockwise, within 27NM on bearing 081 °U/S.
杭州 Hangzhou VOR/DME	HGH	113.0MHz CH 77X	H24	N30°14'24" E120°27'42"	13	See ZSHC AD2.19
哈尔滨 Harbin VOR/DME	HRB	112.5MHz CH 72X	H24	N45°37'36" E126°15'36"	137	See ZYHB AD2.19
荷苞湖 Hebaohu VOR/DME	DHB	114.45MHz CH 91Y	H24	N30°41'54" E113°58'18"	100	See ZHHH AD2.19
黑河 Heihe VOR/DME	HEK	114.0MHz CH 87X	H24	N50°10'06" E127°18'36"		R330 °R190 °clockwise U/S.
河口 Hekou VOR/DME	HOK	116.0MHz CH 107X	H24	N31°19'30" E114°25'48"		
合流水 Heliushui NDB	DS	250kHz	H24	N30°12'00" E106°50'54"		See ZUCK AD2.19
横沙 Hengsha VOR/DME	HSB	114.4MHz CH 91X	H24	N31°22'06" E121°50'48"		See ZSPD AD2.19
衡水 Hengshui NDB	HG	350kHz	H24	N37°43'00" E115°42'18"		
河西 Hexi NDB	SB	319kHz	H24	N27°44'24" E102°09'54"		See ZUXC AD2.19
呼和浩特 Hohhot VOR/DME	HET	116.9MHz CH 116X	H24	N40°43'30" E111°54'00"	1 095	See ZBHH AD2.19

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和田 Hotan VOR/DME	HTN	113.1MHz CH 78X	H24	N37°02'12" E079°52'06"	1 431	See ZWTN AD2.19
淮安 Huainan VOR/DME	HUN	113.3MHz CH 80X	H24	N33°46'24" E119°06'36"	18	See ZSSH AD2.19
怀来 Huailai NDB	KM	360kHz	H24	N40°23'18" E115°29'48"		
怀柔 Huairou VOR/DME	HUR	113.6MHz CH 83X	H24	N40°19'48" E116°44'54"	62	See ZBAA AD2.19
黄城 Huangcheng VOR/DME	HCH	116.1MHz CH 108X	H24	N37°39'18" E120°32'42"	34	See ZSYT AD2.19
黄平 Huangping VOR/DME	KHP	113.4MHz CH 81X	H24	N26°58'24" E107°59'30"	943	
黄山 Huangshan VOR/DME	TXN	116.1MHz CH 108X	H24	N29°44'18" E118°15'12"	141	See ZSTX AD2.19
花垣 Huayuan VOR/DME	HUY	112.0MHz CH 57X	H24	N28°34'48" E109°27'00"		
湖光 Huguang NDB	LH	356kHz	H24	N21°08'06" E110°20'00"		
回龙 Huilong VOR/DME	HLC	115.95MHz CH 106Y	H24	N30°18'06" E103°41'42"	567	See ZUUU AD2.19
佳木斯 Jiamusi VOR/DME	JMU	113.5MHz CH 82X	H24	N46°50'30" E130°27'54"	91	See ZYJM AD2.19
江北 Jiangbei VOR/DME	CKG	116.1MHz CH 108X	H24	N29°44'48" E106°39'12"	418	See ZUCK AD2.19
笕桥 Jianqiao NDB	CJ	324kHz	H24	N30°18'18" E120°10'00"		See ZSHC AD2.19
嘉峪关 Jiayuguan VOR/DME	CHW	114.5MHz CH 92X	H24	N39°51'18" E098°21'00"	1 559	For DME: BTN 58NM and 63NM on R310°U/S.

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济南 Jinan VOR/DME	YQG	113.7MHz CH 84X	H24	N36°50'00" E117°12'54"	31	See ZSJN AD2.19
静宁 Jingning VOR/DME	JIG	113.7MHz CH 84X	H24	N35°31'54" E105°43'24"		
景泰 Jingtai VOR/DME	JTA	114.9MHz CH 96X	H24	N37°11'48" E104°04'48"		
晋江 Jinjiang VOR/DME	JNJ	117.0MHz CH 117X	H24	N24°48'06" E118°35'48"	16	See ZSQZ AD2.19
晋宁 Jinning VOR/DME	XSJ	108.2MHz CH 19X	H24	N24°41'00" E102°48'00"	2 383	See ZPPP AD2.19
金堂 Jintang VOR/DME	JTG	115.4MHz CH 101X	H24	N30°52'18" E104°23'24"		See ZUUU AD2.19
九亭 Jiuting VOR/DME	JTN	109.6MHz CH 33X	H24	N31°07'24" E121°20'30"		See ZSSS AD2.19
九洲 Jiuzhou VOR/DME	ZAO	117.2MHz CH 119X	H24	N22°14'42" E113°36'42"	47	
济源 Jiyuan NDB	GU	234kHz	H24	N35°06'36" E112°31'48"		
开原 Kaiyuan VOR/DME	KYU	114.9MHz CH 96X	H24	N42°37'54" E124°00'24"		
康定 Kangding VOR/DME	KDJ	112.4MHz CH 71X	H24	N30°08'30" E101°43'54"	4 248	R040 °R115 °clockwise U/S.
喀什 Kashi VOR/DME	KHG	115.7MHz CH 104X	H24	N39°32'48" E076°01'24"	1 401	See ZWSH AD2.19
寇岭 Kouling VOR/DME	KLX	110.6MHz CH 43X	H24	N34°15'54" E109°14'54"	908	See ZLXY AD2.19
来宾 Laibin VOR/DME	LBN	113.7MHz CH 84X	H24	N23°45'48" E109°08'48"	126	

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莱阳 Laiyang NDB	FD	298kHz	H24	N36°55'48" E120°37'54"		
兰州 Lanzhou VOR/DME	DNC	114.0MHz CH 87X	H24	N36°32'30" E103°37'06"	1 965	See ZLLL AD2.19
老粮仓 Laoliangcang NDB	GJ	245kHz	H24	N28°05'00" E112°13'00"		
老粮仓 Laoliangcang VOR/DME	LLC	116.2MHz CH 109X	H24	N28°04'06" E112°12'30"		
拉萨 Lhasa VOR/DME	LXA	113.1MHz CH 78X	H24	N29°17'48" E090°59'54"	3 570	See ZULS AD2.19
凉城 Liangcheng NDB	SZ	282kHz	H24	N40°31'06" E112°29'42"		
良乡 Liangxiang NDB	JR	475kHz	H24	N39°43'12" E116°05'42"		See ZBAA AD2.19
连江 Lianjiang VOR/DME	LJG	117.6MHz CH 123X	H24	N26°13'12" E119°32'54"		See ZSFZ AD2.19
连胜围 Lianshengwei VOR/DME	ZUH	116.7MHz CH 114X	H24	N22°13'18" E113°28'00"	26	See ZGSZ AD2.19
荔波 Libo VOR/DME	GLB	112.8MHz CH 75X	H24	N25°27'18" E107°57'48"	854	
李家 Lijia NDB	RP	210kHz	H24	N28°37'06" E115°42'30"		See ZSCN AD2.19
丽江 Lijiang VOR/DME	LJA	113.7MHz CH 84X	H24	N26°46'24" E100°16'24"	2 438	See ZPLJ AD2.19
醴陵 Liling VOR/DME	LIG	112.4MHz CH 71X	H24	N27°38'54" E113°31'00"	85	See ZGHA AD2.19
临澧 Linli VOR/DME	LIN	117.5MHz CH 122X	H24	N29°21'12" E111°38'54"	108	

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栎社 Lishe NDB	BK	227kHz	H24	N29°53'42" E121°20'00"		See ZSNB AD2.19
六盘水 Liupanshui VOR/DME	LPS	116.3MHz CH 110X	H24	N26°38'36" E105°01'48"	2 101	
浏阳 Liuyang VOR/DME	LYH	113.55MHz CH 82Y	H24	N28°23'36" E113°20'36"	215	See ZGHA AD2.19
龙口 Longkou VOR/DME	LKO	115.8MHz CH 105X	H24	N29°54'24" E113°41'30"		
龙门 Longmen VOR/DME	LMN	116.3MHz CH 110X	H24	N23°38'54" E114°19'36"	39	See ZGGG AD2.19
龙枣村 Longzaocun VOR/DME	LCZ	109.0MHz CH 27X	H24	N34°27'06" E108°47'36"	474	See ZLXY AD2.19
龙州 Longzhou VOR/DME	LON	112.2MHz CH 59X	H24	N22°21'24" E106°52'06"		
滦县 Luanxian VOR/DME	LUX	117.1MHz CH 118X	H24	N39°44'30" E118°43'36"		
芦冲 Luchong NDB	SV	345kHz	H24	N28°13'00" E113°20'54"		See ZGHA AD2.19
禄口 Lukou VOR/DME	NJL	113.6MHz CH 83X	H24	N31°45'18" E118°53'12"	24	See ZSNJ AD2.19
洛川 Luochuan VOR/DME	WJC	115.3MHz CH 100X	H24	N35°46'42" E109°22'36"	1 117	
骆岗 Luogang VOR/DME	HFE	116.7MHz CH 114X	H24	N31°46'30" E117°18'06"	38	See ZSOF AD2.19
洛阳 Luoyang VOR/DME	LYA	114.1MHz CH 88X	H24	N34°44'30" E112°23'42"	268	
泸西 Luxi VOR/DME	LXI	112.3MHz CH 70X	H24	N24°32'30" E103°44'36"	1 753	See ZPPP AD2.19

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马龙 Malong VOR/DME	DJT	114.6MHz CH 93X	H24	N25°31'54" E103°36'18"	2 315	See ZPPP AD2.19
芒市 Mangshi VOR/DME	LUM	114.1MHz CH 88X	H24	N24°24'30" E098°32'12"	886	See ZPMS AD2.19
满洲里 Manzhouli VOR/DME	MZL	113.1MHz CH 78X	H24	N49°19'42" E117°38'42"		See ZBMZ AD2.19
觅子 Mizi VOR/DME	MIZ	109.6MHz CH 33X	H24	N34°49'12" E108°59'42"	633	See ZLXY AD2.19
秣陵 Moling VOR/DME	MLJ	117.05MHz CH 117Y	H24	N31°50'42" E118°51'18"	19	See ZSNJ AD2.19
牡丹江 Mudanjiang VOR/DME	MDJ	117.1MHz CH 118X	H24	N44°30'54" E129°33'48"	278	See ZYMD AD2.19
那拉提 Nalati VOR/DME	NLT	115.5MHz CH 102X	H24	N43°26'06" E083°22'54"	935	
南充 Nanchong VOR/DME	GAO	117.4MHz CH 121X	H24	N30°48'36" E106°11'18"	282	
南丰 Nanfeng NDB	NF	292kHz	H24	N27°12'30" E116°33'30"		
南康 Nankang VOR/DME	BHY	117.1MHz CH 118X	H24	N21°35'12" E109°25'54"	35	
南朗 Nanlang VOR/DME	NLG	117.7MHz CH 124X	H24	N22°31'54" E113°33'42"	9	See ZGSZ AD2.19
南宁 Nanning VOR/DME	WUY	112.4MHz CH 71X	H24	N22°35'06" E108°08'54"	142	See ZGNN AD2.19
南泥湾 Nanniwan VOR/DME	NNW	114.75MHz CH 94Y	H24	N36°25'12" E109°29'06"	1 314	For VOR: Within 0.2NM on R168°, within 0.3NM on R348°U/S. For DME: Within 0.1NM on R168°, within 0.8NM on R348°U/S.

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
南通 Nantong VOR/DME	NTG	115.6MHz CH 103X	H24	N32°05'48" E120°58'42"	19	See ZSNT AD2.19
南翔 Nanxiang NDB	PK	208kHz	H24	N31°17'00" E121°19'48"		See ZSSS AD2.19
南雄 Nanxiong VOR/DME	NNX	115.6MHz CH 103X	H24	N25°05'42" E114°16'24"	39	
南浔 Nanxun VOR/DME	NXD	116.5MHz CH 112X	H24	N30°53'48" E120°25'48"		
南阳 Nanyang NDB	ML	446kHz	H24	N32°55'00" E112°33'00"		
南盈滨岛 Nanyingbindao VOR/DME	NYB	113.3MHz CH 80X	H24	N20°00'54" E110°08'12"	23	See ZJHK AD2.19
宁陕 Ningshan VOR/DME	NSH	116.3MHz CH 110X	H24	N33°19'06" E108°18'42"		For VOR: Beyond 24NM on R015°, R025°-R197° clockwise(except within 19NM on R029° and within 20NM on R071°), beyond 24NM on R204°, R254°-R350° clockwise U/S; For DME: R001°-R213° clock-wise (except within 19NM on R015°; within 19NM on R029°; within 16NM on R071°; within 18NM on R204° and R209°), R250°-R353° clockwise U/S.
牛岭 Niuling VOR/DME	JCS	116.6MHz CH 113X	H24	N23°35'54" E116°24'42"	138	See ZGOW AD2.19
鄂尔多斯 Ordos VOR/DME	HDS	116.1MHz CH 108X	H24	N39°29'24" E109°51'42"	1 401	See ZBDS AD2.19
蟠龙 Panlong VOR/DME	PLT	111.6MHz CH 53X	H24	N25°48'30" E114°52'30"	163	
盘龙 Panlong VOR/DME	XFA	110.8MHz CH 45X	H24	N25°24'06" E102°56'00"	2 779	See ZPPP AD2.19

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
蓬莱 Penglai VOR/DME	YCS	116.4MHz CH 111X	H24	N37°40'42" E121°00'00"	48	See ZSYT AD2.19
平洲 Pingzhou VOR/DME	POU	114.1MHz CH 88X	H24	N23°01'18" E113°11'24"	27	See ZGGG AD2.19
邳县 Pixian VOR/DME	DPX	112.4MHz CH 71X	H24	N34°16'42" E117°59'54"		
泊头 Potou VOR/DME	BTO	115.9MHz CH 106X	H24	N38°06'18" E116°34'36"		
浦东 Pudong VOR/DME	PUD	116.9MHz CH 116X	H24	N31°10'18" E121°47'00"		See ZSPD AD2.19
黔西 Qianxi VOR/DME	QNX	113.1MHz CH 78X	H24	N27°02'30" E106°01'48"		
且末 Qimo VOR/DME	QIM	114.3MHz CH 90X	H24	N38°09'06" E085°32'12"	1 241	For DME: BTN 4.5-5.5NM and 6.5-6.8NM on R195 °U/S.
奇峰岭 Qifengling NDB	Y	417kHz	H24	N25°10'18" E110°19'06"		See ZGKL AD2.19
綦江 Qijiang VOR/DME	QJG	112.7MHz CH 74X	H24	N29°03'06" E106°39'54"		For VOR: BTN R030 °-R035 °clockwise U/S. For DME: BTN R015 °-R073 °and R114 °-R121 °clockwise U/S.
青白口 Qingbaikou NDB	CD	422kHz	H24	N40°00'48" E115°48'18"		Beyond 25NM on BRG 053 °,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	117.5MHz CH 122X	H24	N36°17'18" E120°22'12"	18	See ZSQD AD2.19
庆阳 Qingyang VOR/DME	QIY	113.4MHz CH 81X	H24	N35°47'48" E107°35'54"	1 411	

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
齐齐哈尔 Qiqihar VOR/DME	NDG	112.9MHz CH 76X	H24	N47°14'42" E123°55'12"		See ZYQQ AD2.19
奇台 Qitai VOR/DME	QTV	112.1MHz CH 58X	H24	N43°59'18" E089°36'42"		
龟兹 Qiuci VOR/DME	XKC	114.1MHz CH 88X	H24	N41°40'36" E082°50'36"	1 032	
日喀则 Rikaze VOR/DME	RKZ	113.5MHz CH 82X	H24	N29°21'18" E089°16'18"	3 805	For VOR: R355 °R005 ° clockwise U/S; For DME: R175 °R180 °; R350 °R010 °clockwise U/S.
三江 Sanjiang VOR/DME	SJG	116.8MHz CH 115X	H24	N25°46'36" E109°36'36"	342	
三峡 Sanxia VOR/DME	YIH	116.9MHz CH 116X	H24	N30°33'48" E111°28'36"	215	
三亚 Sanya VOR/DME	SYX	112.5MHz CH 72X	H24	N18°18'36" E109°10'24"	457	See ZJSY AD2.19
三原 Sanyuan NDB	OD	202kHz	H24	N34°35'54" E108°54'54"		See ZLXY AD2.19
三灶 Sanzao NDB	U	272kHz	H24	N21°59'18" E113°21'18"		
上饶 Shangrao VOR/DME	SHR	114.0MHz CH 87X	H24	N28°25'00" E117°58'12"		
商县 Shangxian NDB	RA	345kHz	H24	N33°52'36" E109°55'48"		
商县 Shangxian VOR/DME	SHX	112.5MHz CH 72X	H24	N33°52'36" E109°56'06"	756	
山海关 Shanhaiguan NDB	LC	203kHz	H24	N39°59'54" E119°47'06"		
汕头 Shantou VOR/DME	SWA	112.6MHz CH 73X	H24	N23°26'24" E116°46'00"		

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
沙市 Shashi NDB	UK	487kHz	H24	N30°17'24" E112°16'24"		
嵊州 Shengzhou VOR/DME	SHZ	113.4MHz CH 81X	H24	N29°36'00" E120°49'00"		
沈阳 Shenyang VOR/DME	SEY	114.1MHz CH 88X	H24	N41°38'30" E123°28'42"	59	See ZYTX AD2.19
石各庄 Shigezhuang NDB	VM	280kHz	H24	N39°17'48" E116°54'06"		Beyond 27NM on BRG 184 ° U/S.
石龙 Shilong VOR/DME	SHL	115.7MHz CH 104X	H24	N23°05'30" E113°51'00"		See ZGGG AD2.19
石湫 Shiqiu VOR/DME	SNQ	115.75MHz CH 104Y	H24	N31°40'48" E118°58'06"	27	See ZSNJ AD2.19
双流 Shuangliu VOR/DME	CTU	115.7MHz CH 104X	H24	N30°34'24" E103°56'36"	503	See ZUUU AD2.19
水泉 Shuiquan NDB	LS	445kHz	H24	N45°27'00" E126°02'42"		See ZYHB AD2.19
硕放 Shuofang VOR/DME	SUF	114.1MHz CH 88X	H24	N31°29'54" E120°25'54"	11	See ZSWX AD2.19
书院 Shuyuan VOR/DME	XSY	112.7MHz CH 74X	H24	N30°55'54" E121°52'24"	27	See ZSPD AD2.19
塔城 Tacheng VOR/DME	TCH	113.1MHz CH 78X	H24	N46°40'06" E083°20'42"		R220 °-R060 °clockwise U/S(except on R284 °, R299 °, R304 °and within 11NM on R297 °).
太原 Taiyuan VOR/DME	TYN	113.1MHz CH 78X	H24	N37°44'54" E112°37'12"	786	See ZBYN AD2.19
汤河口 Tanghekou NDB	YV	514kHz	H24	N40°44'00" E116°38'00"		Beyond 25NM on BRG 008 °,beyond 25NM on BRG 012 °,beyond 25NM on BRG 022 °,beyond 23NM on BRG 186 °,beyond 17NM on BRG 331 °U/S.

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
桃花 Taohua VOR/DME	THA	114.7MHz CH 94X	H24	N31°46'42" E117°07'24"	45	See ZSOF AD2.19
陶家宫 Taojiagong VOR/DME	HAM	113.1MHz CH 78X	H24	N42°50'36" E093°40'06"	843	For DME: Within 13NM on R290 °U/S.
天河 Tianhe NDB	HG	254kHz	H24	N30°55'30" E114°21'00"		See ZHHH AD2.19
天河 Tianhe VOR/DME	WHA	112.2MHz CH 59X	H24	N30°46'54" E114°12'12"	43	See ZHHH AD2.19
天津 Tianjin NDB	CG	339kHz	H24	N39°04'48" E117°22'30"		
天津 Tianjin VOR/DME	TAJ	112.1MHz CH 58X	H24	N39°06'36" E117°21'30"	11	See ZBTJ AD2.19
天门 Tianmen VOR/DME	WTM	108.8MHz CH 25X	H24	N30°38'18" E113°08'36"		
天镇 Tianzhen VOR/DME	TZH	115.6MHz CH 103X	H24	N40°24'30" E114°03'06"		On R279 °below 7800M BTN 12/23NM, above 7800M BTN 19/23NM U/S.
跳马 Tiaoma VOR/DME	DTM	114.05MHz CH 87Y	H24	N27°59'00" E113°07'30"	186	See ZGHA AD2.19
统景场 Tongjingchang NDB	OS	241kHz	H24	N29°51'06" E106°50'48"		See ZUCK AD2.19
通辽 Tongliao VOR/DME	TGO	116.3MHz CH 110X	H24	N43°33'36" E122°11'48"	192	
桐庐 Tonglu VOR/DME	TOL	115.9MHz CH 106X	H24	N29°45'48" E119°39'36"	54	For DME: R098 °R153 °R282 °R315 ° and R328 °R338 °clockwise U/S.
铜仁 Tongren VOR/DME	TRN	115.2MHz CH 99X	H24	N27°52'06" E109°17'36"	721	
土木尔台 Tumurtai VOR/DME	TMR	113.3MHz CH 80X	H24	N41°50'36" E113°09'12"		

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
屯里 Tunli NDB	FZ	247kHz	H24	N37°27'06" E121°10'42"		See ZSYT AD2.19
乌鲁木齐 Urumqi VOR/DME	WUR	115.3MHz CH 100X	H24	N43°54'48" E087°30'30"	664	See ZWWW AD2.19
万昌 Wanchang VOR/DME	LJB	115.9MHz CH 106X	H24	N43°46'24" E125°51'06"	199	See ZYCC AD2.19
王滨沟 Wangbingou NDB	KY	365kHz	H24	N41°42'18" E123°44'48"		See ZYTX AD2.19
汪清 Wangqing VOR/DME	WQG	112.1MHz CH 58X	H24	N43°17'36" E129°47'06"		R130 °R205 °clockwise U/S, R037 °R055 °clockwise for DME U/S.
潍坊 Weifang VOR/DME	WFG	116.6MHz CH 113X	H24	N36°38'48" E119°07'12"		
威海 Weihai VOR/DME	WEH	115.8MHz CH 105X	H24	N37°11'00" E122°13'36"	45	See ZSWH AD2.19
威宁 Weining NDB	HX	285kHz	H24	N26°51'36" E104°16'54"		
尉氏 Weishi VOR/DME	DWS	117.4MHz CH 121X	H24	N34°19'24" E114°04'42"	80	See ZHCC AD2.19
魏县 Weixian VOR/DME	WXI	115.7MHz CH 104X	H24	N36°21'48" E114°55'00"		
翁源 Wengyuan VOR/DME	WYN	113.9MHz CH 86X	H24	N24°21'00" E114°06'42"	43	Beyond 33NM of R098 U/S.
闻堰 Wenyan NDB	WY	572kHz	H24	N30°07'18" E120°12'06"		See ZSHC AD2.19
武当山 Wudangshan VOR/DME	DSY	115.15MHz CH 98Y	H24	N32°34'18" E110°56'06"	364	
五凤溪 Wufengxi VOR/DME	WFX	117.1MHz CH 118X	H24	N30°36'24" E104°29'30"		See ZUUU AD2.19

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
无极 Wuji NDB	FL	272kHz	H24	N38°14'54" E114°53'18"		See ZBSJ AD2.19
五粮液 Wuliangye VOR/DME	WLY	112.9MHz CH 76X	H24	N28°51'00" E104°33'48"	400	
五通 Wutong NDB	PA	286kHz	H24	N25°24'18" E110°03'36"		See ZGKL AD2.19
无锡 Wuxi VOR/DME	VMB	113.9MHz CH 86X	H24	N31°44'36" E120°11'30"	38	See ZSWX AD2.19
吴忠 Wuzhong VOR/DME	DWZ	112.4MHz CH 71X	H24		1 103	See ZLIC AD2.19
厦门 Xiamen VOR/DME	XMN	114.5MHz CH 92X	H24	N24°32'36" E118°07'24"	23	See ZSAM AD2.19
襄阳 Xiangyang NDB	NO	233kHz	H24	N32°04'30" E112°16'36"		
小丹阳 Xiaodanyang NDB	ID	440kHz	H24	N31°40'00" E118°43'00"		See ZSNJ AD2.19
西昌 Xichang VOR/DME	XIC	114.2MHz CH 89X	H24	N28°00'12" E102°11'00"	1 566	See ZUXC AD2.19
锡林浩特 Xilinhot VOR/DME	HOT	114.3MHz CH 90X	H24	N43°54'54" E115°58'00"	1 021	
杏林 Xinglin VOR/DME	XLN	114.7MHz CH 94X	H24	N24°33'54" E118°00'54"	46	See ZSAM AD2.19
行唐 Xingtang NDB	OC	235kHz	H24	N38°27'18" E114°33'18"		See ZBSJ AD2.19
西宁 Xining VOR/DME	XNN	116.5MHz CH 112X	H24	N36°31'36" E102°01'48"	2 196	See ZLXN AD2.19
新郑 Xinzheng VOR/DME	CGO	114.5MHz CH 92X	H24	N34°31'06" E113°50'36"	158	See ZHCC AD2.19

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
西山 Xishan VOR/DME	SGM	110.6MHz CH 43X	H24	N25°04'54" E102°31'12"	2 303	See ZPPP AD2.19
浠水 Xishui VOR/DME	XSH	115.4MHz CH 101X	H24	N30°26'06" E115°16'00"		
薛家岛 Xuejiadao VOR/DME	DXD	110.4MHz CH 41X	H24	N35°58'42" E120°17'24"	110	See ZSQD AD2.19
叙永 Xuyong VOR/DME	XYO	116.7MHz CH 114X	H24	N28°10'18" E105°25'12"		
徐州 Xuzhou VOR/DME	XUZ	114.3MHz CH 90X	H24	N34°03'36" E117°33'00"	6	See ZSXZ AD2.19
雅布赖 Yabrai VOR/DME	YBL	115.7MHz CH 104X	H24	N39°25'18" E102°46'30"		
盐城 Yancheng VOR/DME	YCH	115.3MHz CH 100X	H24	N33°25'18" E120°12'18"	13	See ZSYN AD2.19
扬州 Yangzhou VOR/DME	SJD	113.1MHz CH 78X	H24	N32°32'42" E119°43'36"	13	See ZSYA AD2.19
延吉 Yanji VOR/DME	YNJ	113.1MHz CH 78X	H24	N42°53'00" E129°27'06"	210	See ZYYJ AD2.19
烟庄 Yanzhuang NDB	ZS	359kHz	H24	N34°13'18" E108°51'12"		See ZLXY AD2.19
姚集 Yaoji NDB	DO	266kHz	H24	N34°04'30" E117°48'42"		See ZSXZ AD2.19
叶尔羌 Yarkant VOR/DME	DSC	112.5MHz CH 72X	H24	N38°13'18" E077°04'18"	1 317	
银川 Yinchuan VOR/DME	YHD	112.0MHz CH 57X	H24	N38°20'48" E106°24'36"	1 141	See ZLIC AD2.19
英德 Yingde VOR/DME	YIN	113.5MHz CH 82X	H24	N24°11'24" E113°24'54"	167	See ZGGG AD2.19

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
义乌 Yiwu VOR/DME	YEU	113.2MHz CH 79X	H24	N29°19'54" E120°01'54"	87	See ZSYW AD2.19
永福 Yongfu NDB	JW	281kHz	H24	N25°00'30" E110°01'00"		See ZGKL AD2.19
源潭 Yuantan VOR/DME	TAN	112.5MHz CH 72X	H24	N23°40'06" E113°14'30"	184	See ZGGG AD2.19
玉都 Yudu VOR/DME	DJQ	114.7MHz CH 94X	H24	N38°13'00" E085°26'36"	1 232	
榆林 Yulin VOR/DME	YLX	116.7MHz CH 114X	H24	N38°22'54" E109°34'42"	1 195	
运城 Yuncheng VOR/DME	YCE	112.3MHz CH 70X	H24	N35°07'06" E111°02'00"	397	
云和 Yunhe NDB	BZ	244kHz	H24	N28°06'06" E119°33'42"		
咎岗镇 Zangangzhen NDB	JB	403kHz	H24	N39°02'36" E116°11'54"		
泽当 Zedang NDB	DM	435kHz	H24	N29°15'18" E091°45'54"		See ZULS AD2.19
张家界 Zhangjiajie VOR/DME	DYG	114.4MHz CH 91X	H24	N29°05'36" E110°24'18"	246	See ZGDY AD2.19
张家口 Zhangjiakou VOR/DME	HAR	113.9MHz CH 86X	H24	N40°43'42" E114°57'48"	735	For DME: R004 °R027 ° clockwise U/S.
张庄 Zhangzhuang NDB	AR	520kHz	H24	N36°43'24" E116°55'00"		
昭通 Zhaotong VOR/DME	ZAT	115.5MHz CH 102X	H24	N27°19'24" E103°45'18"		For VOR: Beyond 20NM on R077 °U/S; For DME: R053 °R057 ° clockwise and beyond 18NM on R077 °U/S.
正定 Zhengding VOR/DME	SJW	117.7MHz CH 124X	H24	N38°16'48" E114°41'54"	68	See ZBSJ AD2.19

导航设施名称、 类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作 时间 Hours of operation	坐标 Coordinates	DME 天线 标高 ELEV of DME antenna(m)	备注 Remarks
芷江 Zhijiang VOR/DME	ZHJ	117.8MHz CH 125X	H24	N27°27'00" E109°42'30"	275	
中卫 Zhongwei VOR/DME	ZWX	117.5MHz CH 122X	H24	N37°34'24" E105°07'30"	1 263	
中原 Zhongyuan VOR/DME	DZY	116.8MHz CH 115X	H24	N34°43'36" E113°33'00"	196	See ZHCC AD2.19
舟山 Zhoushan VOR/DME	HSN	112.3MHz CH 70X	H24	N29°55'54" E122°21'48"	9	See ZSZS AD2.19
资阳 Ziyang VOR/DME	ZYG	112.1MHz CH 58X	H24	N30°07'06" E104°40'36"		See ZUUU AD2.19
祖庵 Zu'an VOR/DME	ZNX	110.8MHz CH 45X	H24	N34°06'42" E108°30'12"	433	See ZLXY AD2.19