

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 Name of Aid	设施类别 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	备注 Remarks
阿克苏 Aksu	VOR/DME	AKS	115.1MHz CH 98X	H24	N41° 15.7' E080° 17.1'	1 185m	
阿勒泰 Altay	VOR/DME	TAI	114.3MHz CH 90X	H24	N47° 44.8' E088° 05.0'		
庵东 Andong	VOR/DME	AND	114.8MHz CH 95X	H24	N30° 15.4' E121° 13.3'	5m	See ZSNB,ZSPD AD2.19
柏鹤寺 Baihesi	VOR/DME	BHS	117.9MHz CH 126X	H24	N30° 30.7' E104° 12.0'		See ZUUU AD2.19
邦达 Bangda	VOR/DME	DCH	113.3MHz CH 80X	H24	N30° 31.3' E097° 08.5'	4 322m	For VOR/DME: R005° - R100° clockwise, R180 ° -R300° clockwise U/S. For VOR: Beyond 35NM on R108° and R318° U/ S. For DME: Beyond 28NM on R108° and R318° U/ S.
半塔集 Bantaji	NDB	OF	340kHz	H24	N32° 40.4' E118° 34.7'		
抱龙 Baolong	NDB	WL	426kHz	H24	N18° 29.3' E109° 24.2'		See ZJSY AD2.19
包头 Baotou	VOR/DME	BAV	117.3MHz CH 120X	H24	N40° 33.4' E109° 59.9'		
奔牛 Benniu	NDB	ZJ	217kHz	H24	N31° 56.5' E119° 42.6'		
百色 Bose	VOR/DME	BSE	115.9MHz CH 106X	H24	N23° 53.5' E106° 38.7'		For VOR/DME: R175° - R255° clockwise, R345 ° -R085° clockwise (ex- cept 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° , be- yond 32NM (beyond 60NM at ALT4200m) on R135° U/S.
岑村 Cencun	VOR/DME	CEN	114.6MHz CH 93X	H24	N23° 09.1' E113° 25.0'	108m	See ZGGG AD2.19

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茶庵 Cha'an	VOR/DME	HFC	111.8MHz CH 55X	H24	N32° 04.8' E116° 46.1'	47m	See ZSOF AD2.19
昌北 Changbei	VOR/DME	NCH	115.1MHz CH 98X	H24	N28° 53.1' E115° 54.7'	43m	See ZSCN AD2.19
常德 Changde	NDB	CD	225kHz	H24	N28° 50.9' E111° 37.3'		
昌都 Changdu	NDB	RG	247kHz	H24	N31° 08.8' E097° 10.6'		BTN 9-12NM on BRG 059 ° U/S.
长海 Changhai	VOR/DME	CHI	116.8MHz CH 115X	H24	N39° 16.0' E122° 37.0'		
长生桥 Changshengqiao	VOR/DME	SHC	111.0MHz CH 47X	H24	N29° 25.9' E106° 43.7'	500m	See ZUCK AD2.19
长武 Changwu	NDB	HO	375kHz	H24	N35° 12.6' E107° 46.1'		Within 28NM on BRG 315 ° and within 58NM on BRG 316° U/S.
长治 Changzhi	NDB	SQ	398kHz	H24	N36° 14.4' E113° 07.0'		
朝阳 Chaoyang	VOR/DME	CHG	114.5MHz CH 92X	H24	N41° 32.2' E120° 26.0'		
车道峪 Chedaoyu	NDB	CDY	292kHz	H24	N40° 34.7' E117° 13.4'		
成都 Chengdu	NDB	ZW	260kHz	H24	N30° 30.0' E103° 54.5'		See ZUUU AD2.19
程海 Chenghai	VOR/DME	CEH	113.4MHz CH 81X	H24	N26° 39.9' E100° 43.2'	2 629m	See ZPLJ AD2.19
崇州 Chongzhou	VOR/DME	CZH	114.5MHz CH 92X	H24	N30° 38.7' E103° 41.2'		See ZUUU AD2.19
从化 Conghua	VOR/DME	CON	113.0MHz CH 77X	H24	N23° 35.3' E113° 35.2'	77m	See ZGGG AD2.19
大虎山 Dahushan	VOR/DME	DHN	116.5MHz CH 112X	H24	N41° 38.7' E122° 06.9'		
大理 Dali	VOR/DME	DAL	112.6MHz CH 73X	H24	N25° 38.6' E100° 19.4'		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° 57.7' E121° 34.2'	59m	See ZYTL AD2.19
丹东 Dandong	VOR/DME	DDG	113.9MHz CH 86X	H24	N40° 15.4' E124° 17.0'		
党山 Dangshan	VOR/DME	DSH	117.3MHz CH 120X	H24	N30° 08.9' E120° 30.1'	13m	See ZSHC AD2.19
大榕江 Darongjiang	NDB	VQ	398kHz	H24	N25° 33.7' E110° 28.6'		See ZGKL AD2.19
大托铺 Datupu	NDB	ZK	520kHz	H24	N28° 01.1' E112° 57.8'		

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大王庄 Dawangzhuang	VOR/DME	VYK	112.7MHz CH 74X	H24	N39° 11.7' E116° 34.3'		
磴口 Dengkou	VOR/DME	DKO	113.5MHz CH 82X	H24	N40° 18.9' E106° 59.8'		
德新 Dexin	VOR/DME	CDX	116.35MHz CH 110Y	H24	N31° 15.0' E104° 22.8'	540m	R255° -R360° clock- wise U/S.
东山 Dongshan	VOR/DME	DST	109.2MHz CH 29X	H24	N27° 45.0' E120° 37.8'	39m	See ZSWZ AD2.19
东羊角 Dongyangjiao	NDB	PU	296kHz	H24	N41° 30.4' E123° 17.5'		See ZYTX AD2.19
东营 Dongying	VOR/DME	DYN	114.0MHz CH 87X	H24	N37° 31.7' E118° 47.2'		
敦煌 Dunhuang	VOR/DME	DNH	115.5MHz CH 102X	H24	N40° 09.8' E094° 50.7'	1 122m	
额济纳旗 Ejinaqi	VOR/DME	JNQ	112.7MHz CH 74X	H24	N41° 59.4' E101° 03.0'	949m	
恩施 Enshi	VOR/DME	ENH	114.7MHz CH 94X	H24	N30° 17.5' E109° 36.1'		
二连浩特 Erenhot	VOR/DME	LHT	112.5MHz CH 72X	H24	N43° 24.8' E112° 07.6'		
二塘 Ertang	NDB	QP	213kHz	H24	N24° 40.2' E110° 46.6'		
富家场 Fujiachang	VOR/DME	FJC	113.9MHz CH 86X	H24	N29° 55.7' E104° 18.2'		See ZUUU AD2.19
涪陵 Fuling	VOR/DME	FLG	114.0MHz CH 87X	H24	N29° 42.0' E107° 22.7'		See ZUCK AD2.19
福清 Fuqing	VOR/DME	FQG	117.4MHz CH 121X	H24	N25° 44.4' E119° 23.1'		See ZSFZ AD2.19
阜阳 Fuyang	VOR/DME	FYG	112.9MHz CH 76X	H24	N32° 53.0' E115° 43.8'		
扶余 Fuyu	VOR/DME	FYU	113.7MHz CH 84X	H24	N44° 54.7' E124° 48.2'		
富蕴 Fuyun	VOR/DME	XFY	114.7MHz CH 94X	H24	N46° 47.7' E089° 32.4'	938m	
福州 Fuzhou	VOR/DME	FOC	116.8MHz CH 115X	H24	N25° 56.6' E119° 39.8'		See ZSFZ AD2.19
高栏 Gaolan	NDB	UJ	204kHz	H24	N21° 55.2' E113° 17.6'		See ZGSZ AD2.19
高要 Gaoyao	VOR/DME	GYA	116.5MHz CH 112X	H24	N23° 04.2' E112° 29.2'		See ZGGG AD2.19
耿马 Gengma	VOR/DME	GMA	114.7MHz CH 94X	H24	N23° 31.7' E099° 24.5'	1 147m	R150° -R215° clock- wise U/S.
观澜 Guanlan	VOR/DME	GLN	112.0MHz CH 57X	H24	N22° 42.5' E114° 02.0'		See ZGSZ AD2.19

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贵阳 Guiyang	VOR/DME	KWE	114.3MHz CH 90X	H24	N26° 31.4' E106° 47.7'	1 178m	See ZUGY AD2.19
谷塘 Gutang	NDB	W	388kHz	H24	N28° 13.1' E113° 13.0'		See ZGHA AD2.19
海拉尔 Hailar	VOR/DME	HLD	115.1MHz CH 98X	H24	N49° 12.2' E119° 49.3'	667m	See ZBLA AD2.19
海青 Haiqing	NDB	IJ	394kHz	H24	N47° 52.1' E134° 38.7'		Bearing 130° -060° clockwise, within 20NM on bearing 081° U/S.
杭州 Hangzhou	VOR/DME	HGH	113.0MHz CH 77X	H24	N30° 14.4' E120° 27.7'	13m	See ZSHC AD2.19
哈尔滨 Harbin	VOR/DME	HRB	112.5MHz CH 72X	H24	N45° 37.6' E126° 15.6'	136m	See ZYHB AD2.19
荷芭湖 Hebaohu	VOR/DME	DHB	114.45MHz CH 91Y	H24	N30° 41.9' E113° 58.3'	100m	See ZHHH AD2.19
黑河 Heihe	VOR/DME	HEK	114.0MHz CH 87X	H24	N50° 10.1' E127° 18.6'		R330° -R190° clock- wise U/S.
河口 Hekou	VOR/DME	HOK	116.0MHz CH 107X	H24	N31° 19.5' E114° 25.8'		
合流水 Heliushui	NDB	DS	250kHz	H24	N30° 12.0' E106° 50.9'		See ZUCK AD2.19
横沙 Hengsha	VOR/DME	HSB	114.4MHz CH 91X	H24	N31° 22.1' E121° 50.8'		See ZSPD AD2.19
衡水 Hengshui	NDB	HG	350kHz	H24	N37° 43.0' E115° 42.3'		
河西 Hexi	NDB	SB	319kHz	H24	N27° 44.4' E102° 09.9'		See ZUXC AD2.19
呼和浩特 Hohhot	VOR/DME	HET	116.9MHz CH 116X	H24	N40° 43.5' E111° 54.0'	1 095m	See ZBHH AD2.19
和田 Hotan	VOR/DME	HTN	113.1MHz CH 78X	H24	N37° 02.2' E079° 52.1'	1 428m	See ZWTN AD2.19
淮安 Huai'an	VOR/DME	HUN	113.3MHz CH 80X	H24	N33° 46.4' E119° 06.6'	18m	See ZSSH AD2.19
怀来 Huailai	NDB	KM	360kHz	H24	N40° 23.3' E115° 29.8'		
怀柔 Huairou	VOR/DME	HUR	113.6MHz CH 83X	H24	N40° 19.8' E116° 44.9'	62m	See ZBAA AD2.19
黄城 Huangcheng	VOR/DME	HCH	116.1MHz CH 108X	H24	N37° 39.3' E120° 32.6'		For DME: Beyond 26NM on R075° U/S.
黄平 Huangping	VOR/DME	KHP	113.4MHz CH 81X	H24	N26° 58.4' E107° 59.5'	943m	
黄山 Huangshan	VOR/DME	TXN	116.1MHz CH 108X	H24	N29° 44.3' E118° 15.2'	141m	See ZSTX AD2.19
花垣 Huayuan	VOR/DME	HUY	112.0MHz CH 57X	H24	N28° 34.8' E109° 27.0'		

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湖光 Huguang	NDB	LH	356kHz	H24	N21° 08.1' E110° 20.0'		
回龙 Huילong	VOR/DME	HLC	115.95MHz CH 106Y	H24	N30° 18.1' E103° 41.7'	567m	
佳木斯 Jiamusi	VOR/DME	JMU	113.5MHz CH 82X	H24	N46° 50.5' E130° 27.9'	88m	See ZYJM AD2.19
江北 Jiangbei	VOR/DME	CKG	116.1MHz CH 108X	H24	N29° 44.8' E106° 39.2'	418m	See ZUCK AD2.19
笕桥 Jianqiao	NDB	CJ	324kHz	H24	N30° 18.3' E120° 10.0'		See ZSHC AD2.19
嘉峪关 Jiayuguan	VOR/DME	CHW	114.5MHz CH 92X	H24	N39° 51.3' E098° 21.0'		For DME: BTN 58NM and 63NM on R310° U/S.
静宁 Jingning	VOR/DME	JIG	113.7MHz CH 84X	H24	N35° 31.9' E105° 43.4'		
景泰 Jingtai	VOR/DME	JTA	114.9MHz CH 96X	H24	N37° 11.8' E104° 04.8'		
晋江 Jinjiang	VOR/DME	JNJ	117.0MHz CH 117X	H24	N24° 48.1' E118° 35.8'	16m	See ZSQZ AD2.19
晋宁 Jinning	VOR/DME	XSJ	108.2MHz CH 19X	H24	N24° 41.0' E102° 48.0'	2 383m	See ZPPP AD2.19
金堂 Jintang	VOR/DME	JTG	115.4MHz CH 101X	H24	N30° 52.3' E104° 23.4'		See ZUUU AD2.19
九洲 Jiuzhou	VOR/DME	ZAO	117.2MHz CH 119X	H24	N22° 14.7' E113° 36.7'		
开原 Kaiyuan	VOR/DME	KYU	114.9MHz CH 96X	H24	N42° 37.9' E124° 00.4'		
康定 Kangding	VOR/DME	KDJ	112.4MHz CH 71X	H24	N30° 08.5' E101° 43.9'	4 248m	R040° -R115° clock- wise U/S.
喀什 Kashi	VOR/DME	KHG	115.7MHz CH 104X	H24	N39° 32.8' E076° 01.4'	1 401m	See ZWSH AD2.19
寇岭 Kouling	VOR/DME	KLX	110.6MHz CH 43X	H24	N34° 15.9' E109° 14.9'	908m	See ZLXY AD2.19
来宾 Laibin	VOR/DME	LBN	113.7MHz CH 84X	H24	N23° 45.8' E109° 08.8'	126m	
莱阳 Laiyang	NDB	FD	298kHz	H24	N36° 55.8' E120° 37.9'		
兰州 Lanzhou	VOR/DME	DNC	114.0MHz CH 87X	H24	N36° 32.5' E103° 37.1'	1 965m	See ZLLL AD2.19
老粮仓 Laoliangcang	NDB	GJ	245kHz	H24	N28° 05.0' E112° 13.0'		
老粮仓 Laoliangcang	VOR/DME	LLC	116.2MHz CH 109X	H24	N28° 04.1' E112° 12.5'		
拉萨 Lhasa	VOR/DME	LXA	113.1MHz CH 78X	H24	N29° 17.8' E090° 59.9'	3 570m	See ZULS AD2.19

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凉城 Liangcheng	NDB	SZ	282kHz	H24	N40° 31.1' E112° 29.7'		
良乡 Liangxiang	NDB	JR	475kHz	H24	N39° 43.2' E116° 05.7'		See ZBAA AD2.19
连江 Lianjiang	VOR/DME	LJG	117.6MHz CH 123X	H24	N26° 13.2' E119° 32.9'		See ZSFZ AD2.19
连胜围 Lianshengwei	VOR/DME	ZUH	116.7MHz CH 114X	H24	N22° 13.3' E113° 28.0'		See ZGSZ AD2.19
荔波 Libo	VOR/DME	GLB	112.8MHz CH 75X	H24	N25° 27.3' E107° 57.8'	854m	
李家 Lijia	NDB	RP	210kHz	H24	N28° 37.1' E115° 42.5'		See ZSCN AD2.19
丽江 Lijiang	VOR/DME	LJA	113.7MHz CH 84X	H24	N26° 46.4' E100° 16.4'	2 440m	See ZPLJ AD2.19
醴陵 Liling	VOR/DME	LIG	112.4MHz CH 71X	H24	N27° 38.9' E113° 31.0'	85m	See ZGHA AD2.19
临澧 Linli	VOR/DME	LIN	117.5MHz CH 122X	H24	N29° 21.2' E111° 38.9'	108m	
栎社 Lishe	NDB	BK	227kHz	H24	N29° 53.7' E121° 20.0'		See ZSNB AD2.19
六盘水 Liupanshui	VOR/DME	LPS	116.3MHz CH 110X	H24	N26° 38.6' E105° 01.8'		
浏阳 Liuyang	VOR/DME	LYH	113.55MHz CH 82Y	H24	N28° 23.6' E113° 20.6'	215m	See ZGHA AD2.19
龙口 Longkou	VOR/DME	LKO	115.8MHz CH 105X	H24	N29° 54.4' E113° 41.5'		
龙门 Longmen	VOR/DME	LMN	116.3MHz CH 110X	H24	N23° 38.9' E114° 19.6'	39m	See ZGGG AD2.19
龙枣村 Longzaocun	VOR/DME	LCZ	109.0MHz CH 27X	H24	N34° 27.1' E108° 47.6'	474m	See ZLXY AD2.19
龙州 Longzhou	VOR/DME	LON	112.2MHz CH 59X	H24	N22° 21.4' E106° 52.1'		
滦县 Luanxian	VOR/DME	LUX	117.1MHz CH 118X	H24	N39° 44.5' E118° 43.6'		
芦冲 Luchong	NDB	SV	345kHz	H24	N28° 13.0' E113° 20.9'		See ZGHA AD2.19
禄口 Lukou	VOR/DME	NJL	113.6MHz CH 83X	H24	N31° 45.3' E118° 53.2'	24m	See ZSNJ AD2.19
洛川 Luochuan	VOR/DME	WJC	115.3MHz CH 100X	H24	N35° 46.7' E109° 22.6'	1 117m	
骆岗 Luogang	VOR/DME	HFE	116.7MHz CH 114X	H24	N31° 46.5' E117° 18.1'	38m	See ZSOF AD2.19
泸西 Luxi	VOR/DME	LXI	112.3MHz CH 70X	H24	N24° 32.5' E103° 44.6'		See ZPPP AD2.19

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马龙 Malong	VOR/DME	DJT	114.6MHz CH 93X	H24	N25° 31.9' E103° 36.3'	2 314m	See ZPPP AD2.19
满洲里 Manzhouli	VOR/DME	MZL	113.1MHz CH 78X	H24	N49° 19.7' E117° 38.7'		See ZBMZ AD2.19
觅子 Mizi	VOR/DME	MIZ	109.6MHz CH 33X	H24	N34° 49.2' E108° 59.7'	631m	See ZLXY AD2.19
秣陵 Moling	VOR/DME	MLJ	117.05MHz CH 117Y	H24	N31° 50.7' E118° 51.3'	19m	See ZSNJ AD2.19
牡丹江 Mudanjiang	VOR/DME	MDJ	117.1MHz CH 118X	H24	N44° 30.9' E129° 33.8'	278m	See ZYMD AD2.19
那拉提 Nalati	VOR/DME	NLT	115.5MHz CH 102X	H24	N43° 26.1' E083° 22.9'	935m	
南充 Nanchong	VOR/DME	GAO	117.4MHz CH 121X	H24	N30° 48.6' E106° 11.3'		
南丰 Nanfeng	NDB	NF	292kHz	H24	N27° 12.5' E116° 33.5'		
南康 Nankang	VOR/DME	BHY	117.1MHz CH 118X	H24	N21° 35.2' E109° 25.9'		
南朗 Nanlang	VOR/DME	NLG	117.7MHz CH 124X	H24	N22° 31.9' E113° 33.7'		See ZGSZ AD2.19
南宁 Nanning	VOR/DME	WUY	112.4MHz CH 71X	H24	N22° 35.1' E108° 08.9'	143m	See ZGNN AD2.19
南泥湾 Nanniwan	VOR/DME	NNW	114.75MHz CH 94Y	H24	N36° 25.2' E109° 29.1'	1 314m	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.
南通 Nantong	VOR/DME	NTG	115.6MHz CH 103X	H24	N32° 05.8' E120° 58.7'	19m	See ZSNT AD2.19
南雄 Nanxiong	VOR/DME	NNX	115.6MHz CH 103X	H24	N25° 05.7' E114° 16.4'	39m	
南浔 Nanxun	VOR/DME	NXD	116.5MHz CH 112X	H24	N30° 53.8' E120° 25.8'		

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宁陕 Ningshan	VOR/DME	NSH	116.3MHz CH 110X	H24	N33° 19.1' E108° 18.7'		For VOR: Beyond 24NM on R015° , R025° -R197° clock-wise(except with- in 19NM on R029° and within 20NM on R071°), beyond 24NM on R204° , R254° -R350° clock- wise 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° clock- wise U/S.
牛岭 Niuling	VOR/DME	JCS	116.6MHz CH 113X	H24	N23° 35.9' E116° 24.7'	138m	See ZGOW AD2.19
鄂尔多斯 Ordos	VOR/DME	HDS	116.1MHz CH 108X	H24	N39° 29.4' E109° 51.7'	1 401m	See ZBDS AD2.19
盘龙 Panlong	VOR/DME	XFA	110.8MHz CH 45X	H24	N25° 24.1' E102° 56.0'	2 788m	See ZPPP AD2.19
蟠龙 Panlong	VOR/DME	PLT	111.6MHz CH 53X	H24	N25° 48.5' E114° 52.5'		
蓬莱 Penglai	VOR/DME	YCS	116.4MHz CH 111X	H24	N37° 40.7' E121° 00.0'	48m	See ZSYT AD2.19
平洲 Pingzhou	VOR/DME	POU	114.1MHz CH 88X	H24	N23° 01.3' E113° 11.4'	27m	See ZGGG AD2.19
邳县 Pixian	VOR/DME	DPX	112.4MHz CH 71X	H24	N34° 16.7' E117° 59.9'		
泊头 Potou	VOR/DME	BTO	115.9MHz CH 106X	H24	N38° 06.3' E116° 34.6'		
浦东 Pudong	VOR/DME	PUD	116.9MHz CH 116X	H24	N31° 10.3' E121° 47.0'		See ZSPD AD2.19
黔西 Qianxi	VOR/DME	QNX	113.1MHz CH 78X	H24	N27° 02.5' E106° 01.8'		
且末 Qimo	VOR/DME	QIM	114.3MHz CH 90X	H24	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	417kHz	H24	N25° 10.3' E110° 19.1'		See ZGKL AD2.19
綦江 Qijiang	VOR/DME	QJG	112.7MHz CH 74X	H24	N29° 03.1' E106° 39.9'		For VOR: BTN R030° - R035° clockwise U/S. For DME: BTN R015° - R073° and R114° -R121° clockwise U/S.

导航设施名称 Name of Aid	设施类别 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	备注 Remarks
青白口 Qingbaikou	NDB	CD	422kHz	H24	N40° 00.8' E115° 48.3'		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° 17.3' E120° 22.2'	18m	See ZSQD AD2.19
庆阳 Qingyang	VOR/DME	QIY	113.4MHz CH 81X	H24	N35° 47.8' E107° 35.9'		
齐齐哈尔 Qiqihar	VOR/DME	NDG	112.9MHz CH 76X	H24	N47° 14.7' E123° 55.2'		See ZYQQ AD2.19
奇台 Qitai	VOR/DME	QTV	112.1MHz CH 58X	H24	N43° 59.3' E089° 36.7'		
龟兹 Qiuci	VOR/DME	XKC	114.1MHz CH 88X	H24	N41° 40.6' E082° 50.6'	1 032m	
日喀则 Rikaze	VOR/DME	RKZ	113.5MHz CH 82X	H24	N29° 21.3' E089° 16.3'		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° 46.6' E109° 36.6'	342m	
三峡 Sanxia	VOR/DME	YIH	116.9MHz CH 116X	H24	N30° 33.8' E111° 28.6'		
三亚 Sanya	VOR/DME	SYX	112.5MHz CH 72X	H24	N18° 18.6' E109° 10.4'	457m	See ZJSY AD2.19
三原 Sanyuan	NDB	OD	202kHz	H24	N34° 35.9' E108° 54.9'		See ZLXY AD2.19
三灶 Sanzao	NDB	U	272kHz	H24	N21° 59.3' E113° 21.3'		
莎车 Shache	VOR/DME	SCH	113.3MHz CH 80X	H24	N38° 25.7' E077° 14.5'		For DME: R030° -R035 ° clockwise, within 10 NM on R050° , R220° -R232° clockwise(except beyond 11NM on R221°), R279° -R290° clockwise, within 8NM and BTN 15.5-17.2NM on R316° U/S.
上饶 Shangrao	VOR/DME	SHR	114.0MHz CH 87X	H24	N28° 25.0' E117° 58.2'		
汕头 Shantou	VOR/DME	SWA	112.6MHz CH 73X	H24	N23° 26.4' E116° 46.0'		

导航设施名称 Name of Aid	设施类别 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	备注 Remarks
嵊州 Shengzhou	VOR/DME	SHZ	113.4MHz CH 81X	H24	N29° 36.0' E120° 49.0'		
沈阳 Shenyang	VOR/DME	SEY	114.1MHz CH 88X	H24	N41° 38.5' E123° 28.7'	59m	See ZYTX AD2.19
石各庄 Shigezhuang	NDB	VM	280kHz	H24	N39° 17.8' E116° 54.1'		Beyond 27NM on BRG 184° U/S.
石龙 Shilong	VOR/DME	SHL	115.7MHz CH 104X	H24	N23° 05.5' E113° 51.0'		See ZGGG AD2.19
石湫 Shiqiu	VOR/DME	SNQ	115.75MHz CH 104Y	H24	N31° 40.8' E118° 58.1'	27m	See ZSNJ AD2.19
双流 Shuangliu	VOR/DME	CTU	115.7MHz CH 104X	H24	N30° 34.4' E103° 56.6'	503m	See ZUUU AD2.19
硕放 Shuofang	VOR/DME	SUF	114.1MHz CH 88X	H24	N31° 29.9' E120° 25.9'	11m	See ZSWX AD2.19
书院 Shuyuan	VOR/DME	XSY	112.7MHz CH 74X	H24	N30° 55.9' E121° 52.4'	27m	See ZSPD AD2.19
塔城 Tacheng	VOR/DME	TCH	113.1MHz CH 78X	H24	N46° 40.1' E083° 20.7'		R220° -R060° clock- wise U/S(except on R284 ° , R299° , R304° and within 11NM on R297°).
太原 Taiyuan	VOR/DME	TYN	113.1MHz CH 78X	H24	N37° 44.9' E112° 37.2'	794m	See ZBYN AD2.19
汤河口 Tanghekou	NDB	YV	514kHz	H24	N40° 44.0' E116° 38.0'		Beyond 25NM on BRG 008° ,beyond 25NM on BRG 012° ,beyond 25NM on BRG 022° ,beyond 23NM on BRG 186° ,be- yond 17NM on BRG 331 ° U/S.
桃花 Taohua	VOR/DME	THA	114.7MHz CH 94X	H24	N31° 46.7' E117° 07.4'	45m	See ZSOF AD2.19
陶家宫 Taojiagong	VOR/DME	HAM	113.1MHz CH 78X	H24	N42° 50.6' E093° 40.1'	843m	For DME: Within 13NM on R290° U/S.
天河 Tianhe	VOR/DME	WHA	112.2MHz CH 59X	H24	N30° 46.9' E114° 12.2'	43m	See ZHHH AD2.19
天河 Tianhe	NDB	HG	254kHz	H24	N30° 55.5' E114° 21.0'		See ZHHH AD2.19
天津 Tianjin	NDB	CG	339kHz	H24	N39° 04.8' E117° 22.5'		
天津 Tianjin	VOR/DME	TAJ	112.1MHz CH 58X	H24	N39° 06.6' E117° 21.5'	11m	See ZBTJ AD2.19
天门 Tianmen	VOR/DME	WTM	108.8MHz CH 25X	H24	N30° 38.3' E113° 08.6'		
天镇 Tianzhen	VOR/DME	TZH	115.6MHz CH 103X	H24	N40° 24.5' E114° 03.1'		On R279° below 7800M BTN 12/23NM, above 7800M BTN 19/23NM U/ S.

导航设施名称 Name of Aid	设施类别 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	备注 Remarks
跳马 Tiaoma	VOR/DME	DTM	114.05MHz CH 87Y	H24	N27° 59.0' E113° 07.5'	186m	See ZGHA AD2.19
统景场 Tongjingchang	NDB	OS	241kHz	H24	N29° 51.1' E106° 50.8'		See ZUCK AD2.19
通辽 Tongliao	VOR/DME	TGO	116.3MHz CH 110X	H24	N43° 33.6' E122° 11.8'		
桐庐 Tonglu	VOR/DME	TOL	115.9MHz CH 106X	H24	N29° 45.8' E119° 39.6'	54m	For DME: R098° -R153° ° ,R282° -R315° and R328° -R338° clock- wise U/S.
铜仁 Tongren	VOR/DME	TRN	115.2MHz CH 99X	H24	N27° 52.1' E109° 17.6'	721m	
土木尔台 Tumurtai	VOR/DME	TMR	113.3MHz CH 80X	H24	N41° 50.6' E113° 09.2'		
屯里 Tunli	NDB	FZ	247kHz	H24	N37° 27.1' E121° 10.7'		See ZSYT AD2.19
万昌 Wanchang	VOR/DME	LJB	115.9MHz CH 106X	H24	N43° 46.4' E125° 51.1'	199m	See ZYCC AD2.19
王滨沟 Wangbingou	NDB	KY	365kHz	H24	N41° 42.3' E123° 44.8'		See ZYTX AD2.19
汪清 Wangqing	VOR/DME	WQG	112.1MHz CH 58X	H24	N43° 17.6' E129° 47.1'		R130° -R205° clock- wise U/S,R037° -R055° clockwise for DME U/S.
威海 Weihai	VOR/DME	WEH	115.8MHz CH 105X	H24	N37° 11.0' E122° 13.6'	45m	See ZSWH AD2.19
威宁 Weining	NDB	HX	285kHz	H24	N26° 51.6' E104° 16.9'		
魏县 Weixian	VOR/DME	WXI	115.7MHz CH 104X	H24	N36° 21.8' E114° 55.0'		
翁源 Wengyuan	VOR/DME	WYN	113.9MHz CH 86X	H24	N24° 21.0' E114° 06.7'	43m	Beyond 33NM of R098° U/S.
闻堰 Wenyan	NDB	WY	572kHz	H24	N30° 07.3' E120° 12.1'		See ZSHC AD2.19
五凤溪 Wufengxi	VOR/DME	WFX	117.1MHz CH 118X	H24	N30° 36.4' E104° 29.5'		See ZUUU AD2.19
无极 Wuji	NDB	FL	272kHz	H24	N38° 14.9' E114° 53.3'		See ZBSJ AD2.19
五通 Wutong	NDB	PA	286kHz	H24	N25° 24.3' E110° 03.6'		See ZGKL AD2.19
无锡 Wuxi	VOR/DME	VMB	113.9MHz CH 86X	H24	N31° 44.6' E120° 11.5'	38m	See ZSWX AD2.19
厦门 Xiamen	VOR/DME	XMN	114.5MHz CH 92X	H24	N24° 32.6' E118° 07.4'	23m	See ZSAM AD2.19
小丹阳 Xiaodanyang	NDB	ID	440kHz	H24	N31° 40.0' E118° 43.0'		See ZSNJ AD2.19

导航设施名称 Name of Aid	设施类别 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	备注 Remarks
西昌 Xichang	VOR/DME	XIC	114.2MHz CH 89X	H24	N28° 00.2' E102° 11.0'	1 566m	See ZUXC AD2.19
锡林浩特 Xilinhote	VOR/DME	HOT	114.3MHz CH 90X	H24	N43° 54.9' E115° 58.0'		
杏林 Xinglin	VOR/DME	XLN	114.7MHz CH 94X	H24	N24° 33.9' E118° 00.9'	46m	See ZSAM AD2.19
行唐 Xingtang	NDB	OC	235kHz	H24	N38° 27.3' E114° 33.3'		See ZBSJ AD2.19
西宁 Xining	VOR/DME	XNN	116.5MHz CH 112X	H24	N36° 31.6' E102° 01.8'	2 196m	See ZLXN AD2.19
西山 Xishan	VOR/DME	SGM	110.6MHz CH 43X	H24	N25° 04.9' E102° 31.2'	2 312m	See ZPPP AD2.19
浠水 Xishui	VOR/DME	XSH	115.4MHz CH 101X	H24	N30° 26.1' E115° 16.0'		
薛家岛 Xuejiadao	VOR/DME	XDX	110.4MHz CH 41X	H24	N35° 58.7' E120° 17.4'	110m	See ZSQD AD2.19
叙永 Xuyong	VOR/DME	XYO	116.7MHz CH 114X	H24	N28° 10.3' E105° 25.2'		
徐州 Xuzhou	VOR/DME	XUZ	114.3MHz CH 90X	H24	N34° 03.6' E117° 33.0'	6m	See ZSXZ AD2.19
雅布赖 Yabrai	VOR/DME	YBL	115.7MHz CH 104X	H24	N39° 25.3' E102° 46.5'		
盐城 Yancheng	VOR/DME	YCH	115.3MHz CH 100X	H24	N33° 25.3' E120° 12.3'	13m	See ZSYN AD2.19
扬州 Yangzhou	VOR/DME	SJD	113.1MHz CH 78X	H24	N32° 32.7' E119° 43.6'	13m	See ZSYA AD2.19
延吉 Yanji	VOR/DME	YNJ	113.1MHz CH 78X	H24	N42° 53.0' E129° 27.1'	202m	See ZYYJ AD2.19
烟庄 Yanzhuang	NDB	ZS	359kHz	H24	N34° 13.3' E108° 51.2'		See ZLXY AD2.19
姚集 Yaoji	NDB	DO	266kHz	H24	N34° 04.5' E117° 48.7'		See ZSXZ AD2.19
宜宾 Yibin	VOR/DME	YBN	116.5MHz CH 112X	H24	N28° 47.9' E104° 33.4'		For VOR: R050° -R058° clockwise, beyond 23NM on R006° , beyond 22NM on R189° U/S. For DME: R346° -R058° clockwise(except within 11NM on R006° and within 11NM on R351°), R160° -R218° clockwise(except within 12NM on R198°) U/S.
英德 Yingde	VOR/DME	YIN	113.5MHz CH 82X	H24	N24° 11.4' E113° 24.9'	167m	See ZGGG AD2.19
义乌 Yiwu	VOR/DME	YEU	113.2MHz CH 79X	H24	N29° 19.9' E120° 01.9'	87m	See ZSYW AD2.19

导航设施名称 Name of Aid	设施类别 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	备注 Remarks
永福 Yongfu	NDB	JW	281kHz	H24	N25° 00.5' E110° 01.0'		See ZGKL AD2.19
榆林 Yulin	VOR/DME	YLX	116.7MHz CH 114X	H24	N38° 22.9' E109° 34.7'	1 194m	
运城 Yuncheng	VOR/DME	YCE	112.3MHz CH 70X	H24	N35° 07.1' E111° 02.0'		
云和 Yunhe	NDB	BZ	244kHz	H24	N28° 06.1' E119° 33.7'		
咎岗镇 Zangangzhen	NDB	JB	403kHz	H24	N39° 02.6' E116° 11.9'		
泽当 Zedang	NDB	DM	435kHz	H24	N29° 15.3' E091° 45.9'		See ZULS AD2.19
张家界 Zhangjiajie	VOR/DME	DYG	114.4MHz CH 91X	H24	N29° 05.6' E110° 24.3'	246m	See ZGDY AD2.19
张庄 Zhangzhuang	NDB	AR	520kHz	H24	N36° 43.4' E116° 55.0'		
昭通 Zhaotong	VOR/DME	ZAT	115.5MHz CH 102X	H24	N27° 19.4' E103° 45.3'		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° 16.8' E114° 41.9'	68m	See ZBSJ AD2.19
周口 Zhoukou	VOR/DME	ZHO	115.5MHz CH 102X	H24	N33° 39.9' E114° 39.3'	102m	
舟山 Zhoushan	VOR/DME	HSN	112.3MHz CH 70X	H24	N29° 55.9' E122° 21.8'		See ZSZS AD2.19
资阳 Ziyang	VOR/DME	ZYG	112.1MHz CH 58X	H24	N30° 07.1' E104° 40.6'		See ZUUU AD2.19
祖庵 Zu'an	VOR/DME	ZNX	110.8MHz CH 45X	H24	N34° 06.7' E108° 30.2'	431m	See ZLXY AD2.19