

ENR 3.2.5 V 系列航路 Air routes of Series V

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
V1					
▲ PIDOX			N41° 14.1′ E116° 37.5′		
RNAV2	140° /320° 95	2 716		↓ ↑	Beijing ACC
▲ NIKIT			N40° 39.2′ E117° 27.0′		
RNAV2	140° /320° 148	2 716		↓ ↑	Beijing ACC
▲ 滦县 Luanxian VOR/DME(LUX)			N39° 44.5′ E118° 43.6′		
RNAV2	172° /352° 68	952		↓ ↑	Beijing ACC
▲ UPSAT			N39° 09.0′ E118° 56.5′		
RNAV2	172° /352° 40	610		↓ ↑	Beijing ACC
▲ PAMDA			N38° 48.2′ E119° 03.7′		
使用 V1 航线的时间为 1600-2200。 Available during time of 1600-2200.					
V2					
▲ 横沙 Hengsha VOR/DME(HSH)			N31° 22.1′ E121° 50.8′		
RNAV2	360° /180° 57	1 232		↓ ↑	Shanghai ACC
▲ UDOXI			N31° 52.6′ E121° 47.1′		
RNAV2	360° /180° 154	600		↓ ↑	Shanghai ACC
▲ ODULO			N33° 15.2′ E121° 37.2′		
V5					
▲ BEMAG			N26° 01.1′ E114° 00.1′		
RNAV2	191° /--- 99	2 605		↓	Guangzhou ACC
▲ OVTIX			N25° 08.2′ E113° 51.0′		
RNAV2	191° /--- 110	1 985		↓	Guangzhou ACC
▲ ATAGA			N24° 09.7′ E113° 41.0′		
RNAV2	191° /--- 64	1 889		↓	Guangzhou ACC
▲ 从化 Conghua VOR/DME(CON)			N23° 35.3′ E113° 35.2′		
V8					
▲ 横沙 Hengsha VOR/DME(HSH)			N31° 22.1′ E121° 50.8′		
RNAV2	320° /140° 115	1 232		↓ ↑	Shanghai ACC

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▲南通 Nantong VOR/DME(NTG)			N32° 05.8'	E120° 58.7'	
V9					
▲ AMVIK			N40° 04.0'	E116° 59.5'	
RNAV2	125° /--- 39	1 465		↓	Beijing ACC
▲ TONIL			N39° 54.0'	E117° 23.3'	
RNAV2	152° /--- 77	1 465		↓	Beijing ACC
▲ BIMEG			N39° 20.0'	E117° 54.0'	
RNAV2	110° /--- 92	840		↓	Beijing ACC
▲ UPSAT			N39° 09.0'	E118° 56.5'	
RNAV2	129° /--- 103	610		↓	Beijing ACC
▲ ANRAT			N38° 39.5'	E119° 57.4'	
V10					
▲ TONIL			N39° 54.0'	E117° 23.3'	
RNAV2	187° /--- 91	1 464		↓	Beijing ACC
▲天津 Tianjin NDB(CG)			N39° 04.8'	E117° 22.5'	
RNAV2	195° /--- 201	1 197		↓	Beijing ACC
▲ PANKI			N37° 17.8'	E117° 00.0'	
V12					
▲南盈滨岛 Nanyingbindao VOR/DME(NYB)			N20° 00.9'	E110° 08.2'	
RNAV2	018° /198° 33	870		↓ ↑	Sanya ACC(Above 7 200m) Haikou APP(7 200m or below)
▲ AGPOR			N20° 18.2'	E110° 13.8'	
参阅海口 / 美兰机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of HAIKOU/Meilan airport.					
V13					
▲东木栏头 Dongmulantou VOR/DME(MLT)			N20° 09.1'	E110° 40.4'	
RNAV2	291° /111° 49	822		↓ ↑	Sanya ACC(Above 7 200m) Haikou APP(7 200m or below)
▲ AGPOR			N20° 18.2'	E110° 13.8'	
参阅海口 / 美兰机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of HAIKOU/Meilan airport.					
V14					
▲ PIMOL			N32° 14.8'	E119° 45.7'	

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RNAV2	258° /078° 27	1 026		↓ ↑	Shanghai ACC
▲ AGPUX			N32° 10.4′ E119° 29.4′		
RNAV2	258° /078° 67	1 072		↓ ↑	Shanghai ACC
▲ NOBEM			N31° 59.4′ E118° 48.5′		
航线高度 7 800 米 (含) 以上。 En-route altitude 7 800m or above.					
V15					
▲ LADIX			N39° 07.8′ E116° 59.5′		
RNAV2	186° /--- 204	1 197		↓	Beijing ACC
▲ PANKI			N37° 17.8′ E117° 00.0′		
V17					
▲ 观澜 Guanlan VOR/DME(GLN)			N22° 42.5′ E114° 02.0′		
RNAV2	043° /223° 30	1 918		↓ ↑	Guangzhou ACC
▲ SULAS			N22° 55.0′ E114° 13.3′		
RNAV2	043° /223° 36	1 918		↓ ↑	Guangzhou ACC
▲ IGAGA			N23° 09.9′ E114° 27.2′		
RNAV2	043° /223° 28	1 918		↓ ↑	Guangzhou ACC
▲ UBDOB			N23° 21.7′ E114° 37.5′		
RNAV2	043° /223° 128	1 918		↓ ↑	Guangzhou ACC
▲ NUVGA			N24° 13.9′ E115° 26.6′		
RNAV2	359° /179° 49	1 893		↓ ↑	Guangzhou ACC
▲ ODOPI			N24° 40.4′ E115° 24.5′		
V18					
▲ UBDOB			N23° 21.7′ E114° 37.5′		
RNAV2	015° /195° 105	1 920		↓ ↑	Guangzhou ACC
▲ XEBUL			N24° 17.0′ E114° 51.0′		
V19					
▲ 湖光 Huguang NDB(LH)			N21° 08.1′ E110° 20.0′		

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RNAV2	066° /246° 183	1 937		↓ ↑	湖光 Huguang NDB: Sanya ACC(Above 7 800m) Zhanjiang ACC(7 800m or below) UDUTI: Guangzhou ACC
▲ UDUTI			N21° 51.0'	E111° 56.0'	
RNAV2	068° /248° 184	1 614		↓ ↑	Guangzhou ACC
▲ 南朗 Nanlang VOR/DME(NLG)			N22° 31.9'	E113° 33.7'	
V20					
▲ UDUTI			N21° 51.0'	E111° 56.0'	
RNAV2	201° /021° 33	1 468		↓ ↑	Guangzhou ACC
▲ BIGRO			N21° 34.2'	E111° 49.6'	
V21					
▲ AVPAM			N23° 12.5'	E111° 49.6'	
RNAV2	178° /358° 151	1 739		↓ ↑	Guangzhou ACC
▲ UDUTI			N21° 51.0'	E111° 56.0'	
RNAV2	091° /271° 63	1 363		↓ ↑	Guangzhou ACC
▲ TOMUD			N21° 51.5'	E112° 32.8'	
RNAV2	087° /267° 77	1 382		↓ ↑	Guangzhou ACC
▲ 高栏 Gaolan NDB(UJ)			N21° 55.2'	E113° 17.6'	
V25					
▲ AVPAM			N23° 12.5'	E111° 49.6'	
RNAV2	136° /316° 208	1 685		↓ ↑	Guangzhou ACC
▲ 高栏 Gaolan NDB(UJ)			N21° 55.2'	E113° 17.6'	
V27					
▲ 横沙 Hengsha VOR/DME(HSH)			N31° 22.1'	E121° 50.8'	
RNAV2	283° /103° 70	1 232		↓ ↑	Shanghai ACC
▲ POMOK			N31° 27.0'	E121° 07.0'	
V30					
▲ 济南 Jinan VOR/DME(YQG)			N36° 50.0'	E117° 12.9'	
RNAV2	009° /189° 62	1 020		↓ ↑	Beijing ACC(Above 7 800m) Jinan ACC(7 800m or below)

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△ KAMOM			N37° 23.5′ E117° 15.3′		
RNAV2	009° /189° 188	1 197		↓ ↑	Beijing ACC
▲天津 Tianjin NDB(CG)			N39° 04.8′ E117° 22.5′		
V31					
▲ LADIX			N39° 07.8′ E116° 59.5′		
RNAV2	181° /001° 198	1 197		↓ ↑	Beijing ACC
△ GOTVA			N37° 21.4′ E117° 09.9′		
RNAV2	181° /001° 58	1 020		↓ ↑	Beijing ACC(Above 7 800m) Jinan ACC(7 800m or below)
▲济南 Jinan VOR/DME(YQG)			N36° 50.0′ E117° 12.9′		
V33					
▲ DUBAG			N34° 51.8′ E113° 43.8′		
RNAV2	---/217° 87	1 386		↑	Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below)
▲ LEKUB			N35° 31.4′ E114° 15.0′		
RNAV2	---/217° 111	1 386		↑	Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below)
▲魏县 Weixian VOR/DME(WXI)			N36° 21.8′ E114° 55.0′		
参阅郑州 / 新郑机场标准仪表进场程序。 Refer STAR of ZHENGZHOU/Xinzheng airport.					
V34					
▲祖庵 Zu’ an VOR/DME(ZNX)			N34° 06.7′ E108° 30.2′		
RNAV2	195° /015° 90	3 615		↓ ↑	Xi'an ACC
▲宁陕 Ningshan VOR/DME(NSH)			N33° 19.1′ E108° 18.7′		
参阅西安 / 咸阳机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of XI'AN/Xianyang airport.					
V35					
▲牛岭 Niuling VOR/DME(JCS)			N23° 35.9′ E116° 24.7′		
RNAV2	197° /017° 101	1 885		↓ ↑	Guangzhou ACC
▲ DOTMI			N22° 43.1′ E116° 10.1′		
参阅揭阳 / 潮汕机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of JIEYANG/Chaoshan airport.					
V36					
▲牛岭 Niuling VOR/DME(JCS)			N23° 35.9′ E116° 24.7′		
RNAV2	065° /245° 72	2 097		↓ ↑	Guangzhou ACC

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▲ SAPUT			N23° 54.4'	E117° 02.0'	
RNAV2	065° /245° 54	1 762		↓ ↑	Shanghai ACC(Above 7 800m) Xiamen ACC(7 800m or below)
▲ TEBON			N24° 08.3'	E117° 30.1'	
参阅揭阳 / 潮汕机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of JIEYANG/Chaoshan airport.					
V37					
▲ 牛岭 Niuling VOR/DME(JCS)			N23° 35.9'	E116° 24.7'	
RNAV2	119° /299° 40	1 885		↓ ↑	Guangzhou ACC
▲ 汕头 Shantou VOR/DME(SWA)			N23° 26.4'	E116° 46.0'	
参阅揭阳 / 潮汕机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of JIEYANG/Chaoshan airport.					
V38					
▲ 南充 Nanchong VOR/DME(GAO)			N30° 48.6'	E106° 11.3'	
RNAV2	103° /283° 316	2 723		↓ ↑	南充 Nanchong VOR/DME: Chengdu ACC OKTUV: Guangzhou ACC(Above 7 800m) Chengdu ACC
▲ OKTUV			N30° 19.1'	E109° 26.3'	
RNAV2	103° /283° 16	2 600		↓ ↑	Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below)
▲ 恩施 Enshi VOR/DME(ENH)			N30° 17.5'	E109° 36.1'	
V39					
▲ PEDNU			N32° 11.3'	E116° 43.7'	
RNAV2	057° /237° 63	943		↓ ↑	Shanghai ACC(Above 7 800m) Hefei ACC(7 800m or below)
▲ SEGPI			N32° 32.0'	E117° 16.0'	
V41					
▲ RUNEG			N20° 30.0'	E108° 11.1'	
RNAV2	137° /317° 151	894		↓ ↑	Sanya ACC(Above 7 200m) Haikou APP(7 200m or below)
▲ DABUB			N19° 31.2'	E109° 11.6'	
RNAV2	170° /350° 117	2 711		↓ ↑	DABUB: Sanya ACC(Above 7 200m) Haikou APP(7 200m or below) 抱龙 Baolong NDB: Sanya ACC(Above 7 200m) Sanya APP(7 200m or below)
▲ 抱龙 Baolong NDB(WL)			N18° 29.3'	E109° 24.2'	

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V42					
▲ REPOL			N37° 35.5′ E119° 40.7′		
RNAV2	---/246° 92	600		↑	Qingdao ACC
▲ GUMED			N38° 01.0′ E120° 34.3′		
V43					
▲ 大连 Dalian VOR/DME(DBL)			N38° 57.7′ E121° 34.2′		
	283° /--- 18	1 004		↓	Dalian ACC
▲ VABRA			N38° 58.7′ E121° 21.7′		
	193° /--- 19	1 065		↓	Dalian ACC
▲ REDEM			N38° 48.4′ E121° 20.4′		
	134° /--- 98	1 065		↓	Dalian ACC
▲ POVAG			N38° 16.7′ E122° 15.1′		
参阅大连 / 周水子机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V44					
▲ 大连 Dalian VOR/DME(DBL)			N38° 57.7′ E121° 34.2′		
	283° /--- 18	1 004		↓	Dalian ACC
▲ VABRA			N38° 58.7′ E121° 21.7′		
	222° /--- 98	1 065		↓	Dalian ACC
▲ KARPI			N38° 15.0′ E120° 43.0′		
参阅大连 / 周水子机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V45					
▲ ALARA			N38° 33.7′ E120° 33.1′		
	075° /--- 74	1 065		↓	Dalian ACC
▲ REDEM			N38° 48.4′ E121° 20.4′		
	056° /--- 26	1 065		↓	Dalian ACC
▲ 大连 Dalian VOR/DME(DBL)			N38° 57.7′ E121° 34.2′		
参阅大连 / 周水子机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V46					
▲ UNSEK			N38° 36.8′ E120° 14.1′		

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	070° /--- 89	1 065		↓	Dalian ACC
▲ RANBO			N38° 58.8'	E121° 08.6'	
	100° /--- 37	1 004		↓	Dalian ACC
▲ 大连 Dalian VOR/DME(DBL)			N38° 57.7'	E121° 34.2'	
参阅大连 / 周水子机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V47					
▲ 大连 Dalian VOR/DME(DBL)			N38° 57.7'	E121° 34.2'	
	283° /--- 60	1 004		↓	Dalian ACC
▲ VIDUX			N39° 00.9'	E120° 52.6'	
	259° /--- 65	815		↓	Dalian ACC
▲ SARUD			N38° 49.9'	E120° 09.8'	
	230° /--- 26	600		↓	Dalian ACC
▲ ANRAT			N38° 39.5'	E119° 57.4'	
参阅大连 / 周水子机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V48					
▲ 天津 Tianjin NDB(CG)			N39° 04.8'	E117° 22.5'	
RNAV2	064° /--- 53	1 130		↓	Beijing ACC
▲ BIMEG			N39° 20.0'	E117° 54.0'	
V49					
▲ 淮安 Huaian VOR/DME(HUN)			N33° 46.4'	E119° 06.6'	
	183° /003° 93	622		↓ ↑	Shanghai ACC(Above 6 000m)
△ NIXEM			N32° 56.5'	E119° 09.6'	
参阅淮安 / 涟水机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of HUAIAN/Lianshui airport.					
V50					
▲ LAGEX			N26° 25.8'	E109° 01.6'	
RNAV2	324° /144° 89	2 163		↓ ↑	Chengdu ACC(Above 7 800m) Guiyang ACC(7 800m or below)
▲ XONID			N27° 03.4'	E108° 28.0'	

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RNAV2	324° /144° 110	2 403		↓ ↑	Chengdu ACC(Above 7 800m) Guiyang ACC(7 800m or below)
▲ TAXOR			N27° 49.7′ E107° 46.4′		
RNAV2	324° /144° 52	2 135		↓ ↑	Chengdu ACC(Above 7 800m) Guiyang ACC(7 800m or below)
▲ OTLEK			N28° 11.3′ E107° 26.4′		
RNAV2	324° /144° 82	2 606		↓ ↑	Chengdu ACC(Above 7 800m) Guiyang ACC(7 800m or below)
▲ UNRIX			N28° 46.0′ E106° 55.0′		
V53					
▲ 盐城 Yancheng VOR/DME(YCH)			N33° 25.3′ E120° 12.3′		
	166° /346° 148	700		↓ ↑	盐城 Yancheng VOR_DME: Shanghai ACC(Above 6 000m) PIKAS: Shanghai ACC
▲ PIKAS			N32° 10.0′ E120° 44.0′		
V54					
▲ UPDIV			N34° 40.8′ E113° 52.4′		
	030° /--- 209	1 086		↓	Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below)
▲ 魏县 Weixian VOR/DME(WXI)			N36° 21.8′ E114° 55.0′		
参阅郑州 / 新郑机场标准仪表离场程序。 Refer SID of ZHENGZHOU/Xinzheng airport.					
V55					
▲ ENVEN			N25° 20.5′ E118° 55.1′		
RNAV2	251° /071° 40	1 611		↓ ↑	Shanghai ACC(Above 7 800m) Xiamen ACC(7 800m or below)
▲ LAMIM			N25° 12.3′ E118° 32.8′		
RNAV2	231° /051° 54	1 820		↓ ↑	Shanghai ACC(Above 7 800m) Xiamen ACC(7 800m or below)
▲ GORMU			N24° 52.6′ E118° 09.1′		
RNAV2	231° /051° 21	1 874		↓ ↑	Shanghai ACC(Above 7 800m) Xiamen ACC(7 800m or below)
▲ KADUG			N24° 44.9′ E117° 59.9′		
参阅厦门 / 高崎机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of XIAMEN/Gaoqi airport.					
V56					
▲ 东羊角 Dongyangjiao NDB(PU)			N41° 30.4′ E123° 17.5′		

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name, Type, Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
RNAV2	351° /--- 10	878		↓	Shenyang ACC
▲ TX405			N41° 35.8′ E123° 15.3′		
RNAV2	287° /--- 94	899		↓	Shenyang ACC
▲ TX401			N41° 43.6′ E122° 07.9′		
RNAV2	266° /--- 81	1 411		↓	Shenyang ACC
▲ OMDUS			N41° 34.5′ E121° 11.0′		
参阅沈阳 / 桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
V57					
▲ OMDUS			N41° 34.5′ E121° 11.0′		
RNAV2	099° /--- 76	1 411		↓	Shenyang ACC
▲ TX404			N41° 33.6′ E122° 06.0′		
RNAV2	107° /--- 91	860		↓	Shenyang ACC
▲ TX408			N41° 26.2′ E123° 10.7′		
RNAV2	057° /--- 6	860		↓	Shenyang ACC
▲ GUMOD			N41° 28.2′ E123° 13.7′		
参阅沈阳 / 桃仙机场标准仪表进场程序。 Refer STAR of SHENYANG/Taoxian airport.					
V58					
▲ TX410			N40° 54.6′ E123° 54.4′		
RNAV2	331° /--- 84	1 718		↓	Shenyang ACC
▲ 东羊角 Dongyangjiao NDB(PU)			N41° 30.4′ E123° 17.5′		
参阅沈阳 / 桃仙机场标准仪表进场程序。 Refer STAR of SHENYANG/Taoxian airport.					
V59					
▲ 东羊角 Dongyangjiao NDB(PU)			N41° 30.4′ E123° 17.5′		
RNAV2	161° /--- 77	1 731		↓	Shenyang ACC
▲ TX661			N40° 53.2′ E123° 42.8′		
RNAV2	161° /--- 7	1 731		↓	Shenyang ACC
▲ ISKEM			N40° 50.0′ E123° 45.0′		

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
参阅沈阳 / 桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
V60					
▲ 东羊角 Dongyangjiao NDB(PU)			N41° 30.4′ E123° 17.5′		
RNAV2	176° /356° 105	1 731		↓ ↑	Shenyang ACC
▲ TOSID			N40° 34.9′ E123° 34.0′		
参阅沈阳 / 桃仙机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of SHENYANG/Taoxian airport.					
V61					
▲ TX557			N42° 02.0′ E124° 05.0′		
RNAV2	088° /--- 61	1 577		↓	Shenyang ACC
▲ TX560			N42° 08.1′ E124° 48.3′		
参阅沈阳 / 桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
V62					
▲ 沈阳 Shenyang VOR/DME(SEY)			N41° 38.5′ E123° 28.7′		
RNAV2	058° /238° 26	1 018		↓ ↑	Shenyang ACC
▲ TX603			N41° 47.6′ E123° 43.0′		
RNAV2	058° /238° 40	1 236		↓ ↑	Shenyang ACC
▲ TX557			N42° 02.0′ E124° 05.0′		
RNAV2	055° /235° 33	1 309		↓ ↑	Shenyang ACC
▲ TX611			N42° 14.2′ E124° 22.1′		
RNAV2	055° /235° 73	1 577		↓ ↑	Shenyang ACC
▲ TX415			N42° 41.3′ E125° 00.6′		
参阅沈阳 / 桃仙机场标准仪表进场 / 标准仪表离场程序。 Refer STAR/SID of SHENYANG/Taoxian airport.					
V63					
▲ 朝阳 Chaoyang VOR/DME(CHG)			N41° 32.2′ E120° 26.0′		
RNAV2	076° /256° 319	1 478		↓ ↑	Shenyang ACC
▲ 开原 Kaiyuan VOR/DME(KYU)			N42° 37.9′ E124° 00.4′		
飞行高度 1 000 米 (不含) 以上; 往返同。 En-route altitudes above 1 000m; and vice versa.					
V64					

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name, Type, Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
▲ NOBEM			N31° 59.4'	E118° 48.5'	
RNAV2	275° /095° 72	1 068		↓ ↑	Shanghai ACC
▲ LEBIK			N31° 59.0'	E118° 02.6'	
RNAV2	275° /095° 61	992		↓ ↑	Shanghai ACC(Above 7 800m) Hefei ACC(7 800m or below)
▲ TUTKI			N31° 59.2'	E117° 23.7'	
RNAV2	275° /095° 10	986		↓ ↑	Shanghai ACC(Above 7 800m) Hefei ACC(7 800m or below)
▲ AVLOG			N31° 59.0'	E117° 17.5'	
RNAV2	275° /095° 26	986		↓ ↑	Shanghai ACC(Above 7 800m) Hefei ACC(7 800m or below)
▲ MAGLI			N31° 59.0'	E117° 00.8'	
LEBIK 及 MAGLI 之间航线高度 6 000 米 (含) 以上。 Segments between LEBIK and MAGLI, En-route altitude 6 000m or above.					
V65					
▲ LEBIK			N31° 59.0'	E118° 02.6'	
RNAV2	241° /061° 85	992		↓ ↑	Shanghai ACC(Above 7 800m) Hefei ACC(7 800m or below)
▲ VILID			N31° 33.5'	E117° 17.4'	
RNAV2	244° /064° 153	2 339		↓ ↑	Shanghai ACC(Above 7 800m) Hefei ACC(7 800m or below)
▲ IKUBA			N30° 51.3'	E115° 54.1'	
航线高度 6 000 米 (含) 以上。 En-route altitude 6 000m or above.					
V66					
▲ 醴陵 Liling VOR/DME(LIG)			N27° 38.9'	E113° 31.0'	
	200° /--- 225	2 154		↓	Guangzhou ACC(Above 7 800m) Changsha ACC(7 800m or below)
▲ VEMBA			N25° 42.4'	E112° 52.5'	
	184° /--- 157	2 457		↓	Guangzhou ACC
▲ VEROK			N24° 17.9'	E112° 50.1'	
V67					
▲ NUKTI			N41° 51.7'	E095° 12.0'	
RNAV2	130° /310° 346	3 309	20	↓ ↑	Lanzhou ACC
▲ 嘉峪关 Jiayuguan VOR/DME(CHW)			N39° 51.3'	E098° 21.0'	

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
RNAV2	098° /278° 382	2 872	20	↓ ↑	嘉峪关 Jiayuguan VOR/DME: Lanzhou ACC 雅布赖 Yabrai VOR/DME: Xi'an ACC(Above 8 900m) Lanzhou ACC
▲雅布赖 Yabrai VOR/DME(YBL)			N39° 25.3′ E102° 46.5′		
V68					
▲ TEKAM			N37° 35.2′ E120° 45.3′		
RNAV2	041° /221° 111	1 414		↓ ↑	TEKAM: Qingdao ACC(Above 6 600m) DOBGA: Dalian ACC
△ DOBGA			N38° 24.8′ E121° 27.5′		
V69					
▲康定 Kangding VOR/DME(KDJ)			N30° 08.5′ E101° 43.9′		
RNP4	086° /266° 69	6 672		↓ ↑	Chengdu ACC
▲ ATPOG			N30° 12.0′ E102° 26.9′		
RNP4	086° /266° 45	5 808		↓ ↑	Chengdu ACC
▲ ABVIR			N30° 14.3′ E102° 54.9′		
RNP4	086° /266° 75	3 896		↓ ↑	Chengdu ACC
▲回龙 Huilong VOR/DME(HLC)			N30° 18.1′ E103° 41.7′		
RNP4	068° /248° 83	1 659		↓ ↑	Chengdu ACC
▲五凤溪 Wufengxi VOR/DME(WFX)			N30° 36.4′ E104° 29.5′		
V70					
▲ POMOK			N31° 27.0′ E121° 07.0′		
RNAV2	322° /--- 115	934		↓	Shanghai ACC
▲ UNTAN			N32° 12.2′ E120° 17.1′		
V71					
▲笕桥 Jianqiao NDB(CJ)			N30° 18.3′ E120° 10.0′		
RNAV2	175° /355° 20	1 390		↓ ↑	Shanghai ACC
▲闻堰 Wenyan NDB(WY)			N30° 07.3′ E120° 12.1′		
RNAV2	220° /040° 93	1 912		↓ ↑	Shanghai ACC
▲ ENLET			N29° 26.0′ E119° 38.8′		

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(磁) 距离(千米) Track(MAG) DIST(km)	最低飞行 高度(米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
V72					
▲ OVNEV			N29° 54.6′ E121° 43.3′		
RNAV2	034° /--- 43	1 273		↓	Shanghai ACC
▲ ISPUR			N30° 14.9′ E121° 56.0′		
RNAV2	027° /--- 66	1 077		↓	Shanghai ACC
▲ ELAGO			N30° 48.0′ E122° 11.0′		
V73					
▲ MULOV			N29° 36.9′ E120° 14.9′		
RNAV2	057° /--- 74	1 795		↓	Shanghai ACC
▲ SUPAR			N30° 01.4′ E120° 51.5′		
RNAV2	026° /--- 131	1 249		↓	Shanghai ACC
▲ 九亭 Jiuting VOR/DME(JTN)			N31° 07.4′ E121° 20.5′		
V74					
△ PAMVU			N28° 41.5′ E120° 43.3′		
RNAV2	037° /--- 63	1 930		↓	Shanghai ACC
▲ SUSMU			N29° 10.0′ E121° 04.0′		
RNAV2	023° /--- 85	1 691		↓	Shanghai ACC
▲ 柘社 Lishe NDB(BK)			N29° 53.7′ E121° 20.0′		
V75					
▲ OSIKI			N33° 12.7′ E118° 39.9′		
RNAV2	086° /266° 145	799		↓ ↑	Shanghai ACC(Above 6 000m)
▲ 盐城 Yancheng VOR/DME(YCH)			N33° 25.3′ E120° 12.3′		
V76					
▲ 黄山 Huangshan VOR/DME(TXN)			N29° 44.3′ E118° 15.2′		
RNAV2	123° /--- 151	1 995		↓	Shanghai ACC(Above 6 000m)
▲ OSPAM			N29° 05.1′ E119° 37.2′		
V77					
▲ LURMA			N30° 58.5′ E120° 44.9′		
RNAV2	214° /--- 108	1 390		↓	Shanghai ACC
▲ 闻堰 Wenyan NDB(WY)			N30° 07.3′ E120° 12.1′		

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
V78					
▲ TUTKI			N31° 59.2′ E117° 23.7′		
RNAV2	315° /--- 149	865		↓	Shanghai ACC(Above 7 800m) Hefei ACC(7 800m or below)
▲ ISNEB			N32° 50.8′ E116° 10.5′		
RNAV2	280° /--- 42	807		↓	Shanghai ACC(Above 7 800m) Hefei ACC(7 800m or below)
▲ 阜阳 Fuyang VOR/DME(FYG)			N32° 53.0′ E115° 43.8′		
V79					
▲ 正定 Zhengding VOR/DME(SJW)			N38° 16.8′ E114° 41.9′		
RNAV2	154° /334° 20	816		↓ ↑	Beijing ACC
▲ VEMOT			N38° 07.6′ E114° 49.3′		
RNAV2	142° /322° 63	759		↓ ↑	Beijing ACC
▲ ATKEV			N37° 42.9′ E115° 18.5′		
RNAV2	095° /275° 35	640		↓ ↑	Beijing ACC
▲ 衡水 Hengshui NDB(HG)			N37° 43.0′ E115° 42.3′		
V80					
▲ ATKEV			N37° 42.9′ E115° 18.5′		
RNAV2	143° /323° 34	640		↓ ↑	Beijing ACC
▲ DOVSU			N37° 29.3′ E115° 34.3′		
V81					
▲ BUBDI			N46° 29.9′ E126° 27.2′		
	161° /341° 25	825		↓ ↑	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ SULTI			N46° 18.3′ E126° 36.8′		
	199° /019° 51	1 079		↓ ↑	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ GUXEN			N45° 50.9′ E126° 31.0′		
	229° /049° 32	1 079		↓ ↑	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ 哈尔滨 Harbin VOR/DME(HRB)			N45° 37.6′ E126° 15.6′		
参阅哈尔滨 / 太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name, Type, Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
V82					
▲ IGADO			N45° 57.8′ E127° 24.7′		
	296° /116° 25	972		↓ ↑	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ TOGEP			N46° 01.3′ E127° 06.3′		
	258° /078° 49	1 079		↓ ↑	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ GUXEN			N45° 50.9′ E126° 31.0′		
参阅哈尔滨 / 太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V83					
▲ VETEX			N45° 34.8′ E126° 36.8′		
	077° /--- 54	1 250		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ SAREV			N45° 46.5′ E127° 15.2′		
	041° /--- 24	1 250		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ IGADO			N45° 57.8′ E127° 24.7′		
参阅哈尔滨 / 太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V84					
▲ 哈尔滨 Harbin VOR/DME(HRB)			N45° 37.6′ E126° 15.6′		
	111° /--- 28	1 079		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ VETEX			N45° 34.8′ E126° 36.8′		
	144° /--- 53	1 250		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ NOKUV			N45° 15.0′ E127° 06.5′		
	178° /--- 25	1 250		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ KETOV			N45° 01.8′ E127° 10.6′		
参阅哈尔滨 / 太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V85					
▲ 哈尔滨 Harbin VOR/DME(HRB)			N45° 37.6′ E126° 15.6′		

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(磁) 距离(千米) Track(MAG) DIST(km)	最低飞行 高度(米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
	191° /--- 19	864		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ ATVOM			N45° 27.5′ E126° 15.3′		
	145° /--- 22	857		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ IDIMO			N45° 19.1′ E126° 27.4′		
	143° /--- 43	1 166		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ UKDIN			N45° 03.2′ E126° 51.9′		
	107° /--- 25	1 166		↓	Shenyang ACC(9 800m or above) Harbin ACC(Below 9 800m)
▲ KETOV			N45° 01.8′ E127° 10.6′		
参阅哈尔滨 / 太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V91					
▲ TODAM			N39° 29.5′ E112° 12.1′		
	211° /--- 304	3 388		↓	Beijing ACC(Above 7 800m) Taiyuan ACC(7 800m or below)
▲ MAPMU			N37° 02.7′ E110° 38.3′		
V92					
▲ 张家口 Zhangjiakou VOR/DME(HAR)			N40° 43.7′ E114° 57.8′		
	074° /254° 150	2 779		↓ ↑	
▲ PIDOX			N41° 14.1′ E116° 37.5′		
V93					
▲ EXUMI			N38° 05.0′ E113° 04.9′		
	190° /--- 144	2 388		↓	Beijing ACC(Above 7 800m) Taiyuan ACC(7 800m or below)
▲ EGEBI			N36° 47.6′ E112° 56.2′		
V94					
▲ 魏县 Weixian VOR/DME(WXI)			N36° 21.8′ E114° 55.0′		

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name, Type, Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
	312° /132° 256	2 700		↓ ↑	魏县 Weixian VOR/DME: Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below) 太原 Taiyuan VOR/DME: Beijing ACC(Above 7 800m) Taiyuan ACC(7 800m or below)
▲太原 Taiyuan VOR/DME(TYN)			N37° 44.9′ E112° 37.2′		
V97					
▲ UGSUT			N33° 45.4′ E109° 34.6′		
	159° /--- 47	2 690		↓	Xi'an ACC
▲ TOGOG			N33° 22.6′ E109° 47.3′		
V99					
▲ 安康 Ankang NDB(UF)			N32° 43.8′ E108° 49.4′		
	055° /--- 115	2 958		↓	Xi'an ACC
▲ TOGOG			N33° 22.6′ E109° 47.3′		
V104					
▲ IDULA			N34° 18.1′ E114° 42.9′		
	154° /--- 184	779		↓	Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below)
▲ 阜阳 Fuyang VOR/DME(FYG)			N32° 53.0′ E115° 43.8′		
V105					
▲ 新郑 Xinzheng VOR/DME(CGO)			N34° 31.1′ E113° 50.6′		
	011° /--- 41	1 086		↓	Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below)
▲ PUBOV			N34° 53.2′ E113° 53.7′		
	345° /--- 95	2 330		↓	Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below)
▲ IGPIIL			N35° 41.4′ E113° 32.5′		
	313° /--- 28	2 416		↓	Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below)
▲ PADNO			N35° 50.8′ E113° 17.6′		
V106					
▲ IKUBA			N30° 51.3′ E115° 54.1′		

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
	262° /--- 166	2 307		↓	Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below)
▲ ESKAM			N30° 32.6′ E114° 11.9′		
	253° /--- 104	1 058		↓	Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below)
▲ GUGAM			N30° 13.0′ E113° 11.1′		
V107					
▲ 沙市 Shashi NDB(UK)			N30° 17.4′ E112° 16.4′		
	273° /--- 256	2 878		↓	Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below)
▲ 恩施 Enshi VOR/DME(ENH)			N30° 17.5′ E109° 36.1′		
V108					
▲ 天河 Tianhe NDB(HG)			N30° 55.5′ E114° 21.0′		
	142° /--- 171	1 528		↓	Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below)
▲ TULMU			N29° 47.5′ E115° 33.1′		
V109					
▲ KAMDA			N33° 21.9′ E114° 12.2′		
	191° /--- 387	1 480		↓	KAMDA: Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below) 龙口 Longkou VOR/DME: Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below)
▲ 龙口 Longkou VOR/DME(LKO)			N29° 54.4′ E113° 41.5′		
V110					
▲ 浠水 Xishui VOR/DME(XSH)			N30° 26.1′ E115° 16.0′		
	325° /145° 127	1 584		↓ ↑	Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below)
▲ 河口 Hekou VOR/DME(HOK)			N31° 19.5′ E114° 25.8′		
V111					
▲ 武当山 Wudangshan VOR/DME(DSY)			N32° 34.3′ E110° 56.1′		

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹 (磁) 距离 (千米) Track(MAG) DIST(km)	最低飞行 高度 (米) MNM flight altitude(m)	航路宽度 (千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
	313° /133° 139	2 504		↓ ↑	武当山 Wudangshan VOR/DME: Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below) TOGOG: Xi'an ACC
▲ TOGOG			N33° 22.6′ E109° 47.3′		
V112					
▲ IKEKA			N36° 49.9′ E123° 21.3′		
RNAV2	244° /064° 176	600		↓ ↑	Qingdao ACC
△ GUSEV			N35° 58.4′ E121° 41.8′		
RNAV2	244° /064° 31	600		↓ ↑	Qingdao ACC
▲ NOBOB			N35° 49.2′ E121° 24.5′		
RNAV2	244° /064° 68	600		↓ ↑	Qingdao ACC
▲ LATUX			N35° 29.0′ E120° 47.0′		
V115					
▲ BESMI			N35° 46.6′ E104° 09.1′		
	333° /--- 97	4 207		↓	Xi'an ACC(Above 8 900m) Lanzhou ACC(8 900m or below)
▲ 兰州 LanzhouVOR/DME(DNC)			N36° 32.5′ E103° 37.1′		