

ENR 3.2 国际航路 INTERNATIONAL AIR ROUTES

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
*A 1 ▲BUNTA N16° 50.0′ E109° 23.7′ △LENKO N17° 25.0′ E110° 18.0′ ▲IKELA N18° 39.7′ E112° 14.7′					Sanya ACC
	057° 237° 63NM	2 100FT	28	↓	
	057° 237° 134NM		80	↑	
	*A1 航路 RVSM、RNP10 及横向偏移程序的相关规定见 ENR3.3-5/9/31。 *Relevant rules about RVSM, RNP10 and strategic lateral offset procedures of route A1 see ENR3.3-5/9/31.				
A 202 ▲ASSAD N18° 20.5′ E107° 40.9′ ▲DABUB N19° 31.2′ E109° 11.6′ ▲SAMAS N20° 30.3′ E110° 29.7′ ▲SIKOU N20° 50.6′ E111° 30.0′					Sanya ACC (Above 7 200m) Sanya/Haikou APP (7 200m or below)
	052° 232° 206	1 455	20	↓	
	052° 232° 175				
	072° 252° 111	800		↑	Guangzhou ACC
A 326 ▲APITO N29° 35.0′ E124° 00.0′ ▲MIGOL N30° 45.8′ E123° 41.7′ ▲TONIX N31° 19.9′ E123° 32.6′ ▲AKARA N31° 30.0′ E123° 30.0′ ▲SURAK N31° 46.4′ E123° 29.5′ ▲IKADI N34° 05.5′ E123° 29.0′ ▲DOPNO N35° 00.0′ E123° 24.3′					Shanghai ACC
	353° 173° 134	600		↓	
	353° 173° 65				
	353° 173° 19				
	005° 185° 30			20	
	005° 185° 258				
	005° 185° 101				

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1	2	3	4	5	6
A 326 (con't)					
▲ DOPNO N35° 00.0' E123° 24.3'	005° 185° 204	600	20	↓	Qingdao ACC
▲ MUDAL N36° 49.9' E123° 21.3'	005° 185° 82				Dalian ACC
* △ DONVO N37° 34.0' E123° 20.0'	322° 142° 108				
▲ SANKO N38° 15.0' E122° 27.2'	288° 108° 18				
▲ POVAG N38° 16.7' E122° 15.1'	288° 108° 71				
△ DOBGA N38° 24.8' E121° 27.5'	288° 108° 28				
▲ MAKNO N38° 27.8' E121° 08.9'	288° 108° 53	867			
△ ALARA N38° 33.7' E120° 33.1'	288° 108° 28				
▲ UNSEK N38° 36.8' E120° 14.1'	288° 108° 25				
▲ ANRAT N38° 39.5' E119° 57.4'					

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1	2	3	4	5	6	
A 326 (con't)						
▲ ANRAT N38° 39.5' E119° 57.4'	288° 108° 79	867	20	↓	Beijing ACC	
▲ PAMDA N38° 48.2' E119° 03.7'	288° 108° 52					
▲ KALBA N38° 54.2' E118° 28.2'	288° 108° 96	1 197				
▲ Tianjin NDB (CG) N39° 04.8' E117° 22.5'	287° 107° 33					
▲ LADIX N39° 07.8' E116° 59.5'	287° 107° 18					
▲ DOGAR N39° 09.8' E116° 47.1'	287° 107° 19	867		↑		
* ▲ Dawangzhuang VOR (VYK) N39° 11.7' E116° 34.3'						
* DONVO 至大王庄 VOR 段实施 RNAV5 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需严格按照规定填写飞行计划报编组 10 和编组 18 内容, 空管部门会在起飞前的协同决策阶段给予优先放行; 对不符合 PBN 适航和运行合格审定要求的航空器, 空管部门将配备适当间隔以确保区域飞行的安全和秩序。 * RNAV5 is implemented on segments between DONVO and Dawangzhuang VOR (VYK). When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required, and will be given a higher priority to fly; For aircraft do not meet, appropriate separation will be provided to ensure safety and efficiency of these area.						
* A 343					Almaty FIR	
▲ RULAD(中哈国境点) N43° 30.0' E080° 44.0'	088° 268° 214	4 313		↓	Urumqi ACC	
△ Nalati VOR (NLT) N43° 26.1' E083° 22.9'	094° 274° 212	5 890				
▲ POSOT N43° 11.0' E085° 58.4'						↑
* A343 实施 RNP4 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。 * RNP4 is implemented on A343. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.						

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1	2	3	4	5	6	
A 345					Pyongyang FIR	
▲GOLOT (中朝国境点) N40° 12.5′ E124° 30.5′	294° 114° 20	1 436	20	↓	Shenyang ACC	
▲Dandong VOR (DDG) N40° 15.4′ E124° 17.0′	004° 184° 88	1 900				
▲ANSUK N41° 02.9′ E124° 11.6′	004° 184° 40					
▲BIDIB N41° 24.4′ E124° 09.8′	003° 183° 47					
▲EKVOK N41° 49.4′ E124° 06.6′	003° 183° 90					
▲Kaiyuan VOR (KYU) N42° 37.9′ E124° 00.4′	338° 158° 426	1 992				
▲IKITI N45° 54.9′ E121° 14.1′	353° 173° 45					
▲ELPUN N46° 18.4′ E121° 04.3′	353° 173° 133	2 345			Hailar ACC	
▲ABVAX N47° 27.6′ E120° 35.4′	353° 173° 202					
▲Hailar VOR (HLD) N49° 12.2′ E119° 49.3′	282° 102° 125	1 460				
△KAGAK N49° 16.0′ E118° 06.0′	316° 136° 59	1 609				
△MANLI N49° 35.0′ E117° 27.0′	322° 142° 8					
▲TELOK (中俄国境点) N49° 38.0′ E117° 22.0′				↑		Chita FIR

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1	2	3	4	5	6
<div>*A 364</div> <div>▲ Kashi VOR (KHG) N39° 32.8′ E076° 01.4′</div> <div>▲ Shache VOR (SCH) N38° 25.7′ E077° 14.5′</div>					Urumqi ACC
	136° 316° 163	1 974	20	↓ ↑	
<div>* A364 实施 RNP4 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。</div> <div>* RNP4 is implemented on A364. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.</div>					
<div>*A 368</div> <div>▲ Fukang VOR (FKG) N44° 10.4′ E087° 59.0′</div> <div>△ UGPEL N44° 33.1′ E087° 17.2′</div> <div>△Tacheng VOR (TCH) N46° 40.1′ E083° 20.7′</div> <div>▲ SARIN(中哈国境点) N46° 51.9′ E082° 53.3′</div>					Urumqi ACC
	304° 124° 70	2 350	20	↓	
	304° 124° 387	3 213			
	297° 117° 41	2 762		↑	
<div>* A368 实施 RNP4 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。</div> <div>* RNP4 is implemented on A368. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.</div>					

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1	2	3	4	5	6
* A 460 ▲ RULAD(中哈国境点) N43° 30.0′ E080° 44.0′ ▲ XITUP N42° 41.5′ E081° 44.4′ ▲ Kuqa VOR (KCA) N41° 42.9′ E082° 59.7′					Almaty FIR
	133° 313°	5 503	20	↓	Urumqi ACC
	121 133° 313°				
	150			↑	
航线高度 7 500 米至 12 500 米。 En-route altitude 7 500m—12 500m. * A460 实施 RNP4 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。 * RNP4 is implemented on A460. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.					

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1	2	3	4	5	6		
* A 461 ▲ Dawangzhuang (VYK) N39° 11.7′ E116° 34.3′ ▲ IKENU N38° 45.5′ E116° 18.8′ ▲ Hengshui NDB (HG) N37° 43.0′ E115° 42.3′ ▲ Weixian VOR (WXI) N36° 21.8′ E114° 55.0′ ▲ AKOMA N34° 41.5′ E114° 45.2′ ▲ Zhoukou VOR (ZHO) N33° 39.9′ E114° 39.3′ ▲ OBLIK N32° 19.8′ E114° 31.5′ ▲ Hekou VOR (HOK) N31° 19.5′ E114° 25.8′ ▲ Longkou VOR (LKO) N29° 54.4′ E113° 41.5′ ▲ DAPRO N29° 15.5′ E113° 38.4′ ▲ AKUBA N28° 45.3′ E113° 36.0′ ▲ Liling VOR (LIG) N27° 38.9′ E113° 31.0′ ▲ BUBDA N25° 52.1′ E113° 27.8′					Beijing ACC		
	<div>211° 031° 53</div>	650	20	↓			
	<div>211° 031° 127</div>						
	<div>210° 030° 166</div>					659	
	<div>189° 009° 186</div>	735					
	<div>189° 009° 115</div>						
	<div>189° 009° 149</div>					749	
	<div>189° 009° 112</div>	1 473					
	<div>208° 028° 172</div>						
	<div>187° 007° 72</div>					1 861	
	<div>187° 007° 56</div>	2 215					
	<div>187° 007° 124</div>						
	<div>004° 198</div>					2 642	↑

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1	2	3	4	5	6	
* A 461 (con't) ▲ BUBDA N25° 52.1' E113° 27.8' ▲ Yingde VOR (YIN) N24° 11.4' E113° 24.9' ▲ Shilong VOR (SHL) N23° 05.5' E113° 51.0' ▲ IDUMA N22° 53.8' E113° 57.1' ▲ BEKOL N22° 32.6' E114° 08.0'					Guangzhou ACC	
	004° 186	2 642	20	↑		
	342° 130	1 881				
	337° 24	1 567				
	337° 43					
						Hong Kong FIR
	* A461 实施 RNAV2 运行，申请使用时，已完成相关 PBN 适航和运行合格审定的航空器，需严格按照规定填写飞行计划报编组 10 和编组 18 内容，空管部门会在起飞前的协同决策阶段给予优先放行；对不符合 PBN 适航和运行合格审定要求的航空器，空管部门将配备适当间隔以确保区域飞行的安全和秩序。 * RNAV2 is implemented on A461. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required, and will be given a higher priority to fly; For aircraft do not meet, appropriate separation will be provided to ensure safety and efficiency of these area.					
* A 468 ▲ KAMUD(中吉国境点) N41° 34.0' E078° 50.0' ▲ Kuqa VOR (KCA) N41° 42.9' E082° 59.7'					Urumqi ACC	
	084° 264° 346	6 586	20	↓ ↑		
* A468 实施 RNP4 运行，申请使用时，已完成相关 PBN 适航和运行合格审定的航空器，需按规定填写飞行计划报编组 10 和编组 18 内容；不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器，仍旧按照现行执行。 * RNP4 is implemented on A468. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.						

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1	2	3	4	5	6
A 470					Shanghai ACC
▲Pixian VOR (DPX) N34° 16.7′ E117° 59.9′	<div><div>169°</div><div>349°</div><div>31</div></div>	829	↓		
▲MEXUP N34° 00.6′ E118° 05.8′	<div><div>169°</div><div>349°</div><div>23</div></div>				
▲DALNU N33° 48.8′ E118° 10.1′	<div><div>169°</div><div>349°</div><div>132</div></div>				
▲Bantaji NDB (OF) N32° 40.4′ E118° 34.7′	<div><div>164°</div><div>344°</div><div>101</div></div>	1 069			
▲DOGVI N31° 49.2′ E118° 57.8′	<div><div>164°</div><div>344°</div><div>20</div></div>				
▲Lishui NDB (GS) N31° 39.1′ E119° 02.5′	<div><div>149°</div><div>329°</div><div>60</div></div>	1 470			
▲RANGA N31° 12.6′ E119° 24.6′	<div><div>149°</div><div>329°</div><div>68</div></div>				
▲IGRAT N30° 43.0′ E119° 50.0′	<div><div>149°</div><div>329°</div><div>56</div></div>				
▲Jianqiao NDB (CJ) N30° 18.3′ E120° 10.0′	<div><div>224°</div><div>044°</div><div>77</div></div>	1 846			
▲Tonglu VOR (TOL) N29° 46.0′ E119° 39.6′	<div><div>187°</div><div>007°</div><div>15</div></div>	1 910			
▲UGAGO N29° 37.7′ E119° 39.1′	<div><div>187°</div><div>007°</div><div>61</div></div>				
▲PUGIM N29° 05.0′ E119° 37.0′	<div><div>187°</div><div>007°</div><div>109</div></div>	2 193			
▲Yunhe NDB (BZ) N28° 06.1′ E119° 33.7′	<div><div>184°</div><div>004°</div><div>74</div></div>	2 290			
▲DAGMO N27° 26.2′ E119° 33.4′					

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1	2	3	4	5	6		
A 575 (con't) ▲ Dahushan VOR (DHN) N41° 38.7' E122° 06.9' ▲ Chaoyang VOR (CHG) N41° 32.2' E120° 26.0' ▲ ANDIN N41° 04.7' E118° 42.9' ▲ PIDOX N41° 14.1' E116° 37.5' ▲ SALIS N41° 57.5' E115° 57.1' △ VANVO N42° 37.6' E114° 12.3' △ UKBAD N43° 00.7' E113° 11.4' ▲ Erenhot VOR (LHT) N43° 24.8' E112° 07.6' ▲ ESMEP N43° 32.0' E112° 01.5' ▲ INTIK (中蒙国境点) N43° 40.8' E111° 54.1'					Shenyang ACC		
	273° 093° 141	1 466	20	↓			
	258° 078° 152	2 181					
	282° 102° 176	2 647			Beijing ACC		
	332° 152° 98	2 892					
	303° 123° 162	2 402				Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)	
	303° 123° 93	1 832					
	303° 123° 97						
	334° 154° 15	1 639					
	334° 154° 19						
	* BIDIB 至东羊角 NDB 航段飞行高度 7 200 至 12 500 米; 往返同。 *Segment BIDIB to Dongyangjiao NDB en-route altitudes 7 200m—12 500m; and vice versa.						
A 581 ▲ SAGAG(中老国境点) N21° 11.5' E101° 37.4' ▲ BIDRU N22° 43.1' E100° 57.9' ▲ ELASU N23° 59.2' E101° 47.4' ▲ Xishan VOR (SGM) N25° 04.9' E102° 31.2'					Kunming ACC		
	339° 159° 182	2 605	20	↓			
	032° 212° 164	3 155					
	032° 212° 142	3 434					

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1	2	3	4	5	6		
A 581 (con't) ▲ Xishan VOR (SGM) N25° 04.9′ E102° 31.2′ ▲ Panlong VOR (XFA) N25° 24.1′ E102° 56.0′ ▲ XISLI N25° 58.5′ E103° 54.0′ ▲ Liupanshui VOR(LPS) N26° 38.6′ E105° 01.8′ ▲ Qianxi VOR (QNX) N27° 02.5′ E106° 01.8′ ▲ BIPIP N27° 12.0′ E106° 22.5′ * ▲ AGTIS N27° 22.1′ E106° 45.0′ ▲ MEMAG N27° 28.5′ E106° 59.2′ △ EKADI N27° 34.6′ E107° 12.7′ ▲ TAXOR N27° 49.7′ E107° 46.4′ * ▲ EPGAL N28° 26.8′ E109° 08.7′ ▲ Huayuan VOR (HUY) N28° 34.8′ E109° 27.0′ ▲ Linli VOR (LIN) N29° 21.2′ E111° 38.9′ ▲ GUGAM N30° 13.0′ E113° 11.1′ ▲ Tianhe VOR (WHA) N30° 46.9′ E114° 12.2′					Kunming ACC		
	051° 231° 55	3 596	20	↓			
	058° 238° 116	3 894					
	058° 238° 135	3 466					
	068° 248° 109	2 932					
	065° 245° 38	2 400					
	065° 245° 42	2 200					
	065° 245° 26	1 916					
	065° 245° 25	2 010					
	065° 245° 62	2 100					
	065° 245° 151	2 174					
	065° 245° 33	1 831					
	071° 251° 230	2 117					
	061° 241° 177	1 204					
	061° 241° 116						
					Guangzhou ACC (Above 7 800m) Changsha ACC (7 800m or below)		
					Guangzhou ACC (Above 7 800m) Wuhan ACC (7 800m or below)		
					↑		
	* AGTIS 至 EPGAL 航段飞行高度 8 100 米 (含) 至 12 500 米。						
* Segments between AGTIS and EPGAL, en-route altitude 8 100m—12 500m.							

国际航路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
A 588 ▲ SANKO N38° 15.0′ E122° 27.2′ ▲ * UDETI N38° 41.5′ E122° 09.6′ ▲ VENOS N38° 54.2′ E122° 19.6′ ▲ Changhai VOR(CHI) N39° 16.0′ E122° 37.0′ ▲ NODAL N40° 02.8′ E123° 10.7′ ▲ ISKEM N40° 50.0′ E123° 45.0′ ▲ BIDIB N41° 24.4′ E124° 09.8′ ▲ NUBKI N41° 58.8′ E124° 35.9′ ▲ LEMOT N42° 49.5′ E125° 11.0′ ▲ * Wanchang VOR (LJB) N43° 46.4′ E125° 51.1′ ▲ ISBOP N44° 28.5′ E126° 00.2′ ▲ PABKI N44° 43.9′ E126° 03.6′ ▲ Harbin VOR (HRB) N45° 37.6′ E126° 15.6′ ▲ BUBDI N46° 29.9′ E126° 27.2′ ▲ Heihe VOR (HEK) N50° 10.1′ E127° 18.6′ ▲ SIMLI N50° 17.4′ E127° 22.1′					Dalian ACC		
	340° 160° 55	600		↓			
	039° 219° 28	851	12				
	039° 219° 48						
	037° 217° 99	1 789	12	Shenyang ACC			
	037° 217° 100						
	037° 217° 72						
	038° 218° 73	1 731					
	036° 216° 105						
	036° 216° 118						
	019° 199° 79	1 271		20	Harbin ACC		
	019° 199° 29						
	019° 199° 101						
	020° 200° 98	1 355					
	020° 200° 412						
	029° 209° 14	913	↑				
	* UDETI 至万昌 VOR 航段飞行高度 7 200 至 12 500 米; 往返同。						
	*Segment UDETI to Wanchang VOR en-route altitudes 7 200m—12 500m; and vice versa.						

国际航路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
A 591 ▲ Xuejiadao VOR (XDX) N35° 58.7′ E120° 17.4′ ▲ ABVER N35° 42.7′ E120° 33.4′ ▲ LATUX N35° 29.0′ E120° 47.0′ ▲ NOBOB N35° 49.2′ E121° 24.5′ ▲ MUDAL N36° 49.9′ E123° 21.3′ ▲ AGAVO(中韩国境点) N37° 10.0′ E124° 00.0′					Qingdao ACC		
	147° 327°	1 325		↓			
	38 147° 327°						
	33 064° 244°	600					
	68 064° 244°						
	207 064° 244°		20			↑	
	68						
* A 593 ▲ Dawangzhuang VOR (VYK) N39° 11.7′ E116° 34.3′ ▲ Potou VOR (BTO) N38° 06.3′ E116° 34.6′ ▲ EPGAM N37° 15.2′ E116° 54.0′ ▲ RAXEV N37° 09.8′ E116° 56.1′ △ GOLAL N36° 45.9′ E117° 05.1′ ▲ DALIM N36° 25.1′ E117° 12.8′ ▲ ABTUB N36° 00.0′ E117° 22.1′ ▲ UDINO N34° 49.4′ E117° 48.2′					Beijing ACC		
	186° 006°	627	20	↓			
	121 169° 349°	620					
	99 169° 349°	1 355					
	10 169° 349°						
	47 169° 349°					2 184	
	40 169° 349°						
	48 169° 349°						
	136						↑

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
* A 593(con't)					
▲ UDINO N34° 49.4' E117° 48.2'	169° 349° 63	1 180	20	↓	Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
▲ Pixian VOR (DPX) N34° 16.7' E117° 59.9'	150° 330° 42	829			
▲ OMUDI N33° 58.2' E118° 16.0'	150° 330° 69	928			
▲ LAGAL N33° 28.0' E118° 42.3'	150° 330° 73	804			Shanghai ACC
△ NIXEM N32° 56.5' E119° 09.6'	150° 330° 66				
▲ XUTGU N32° 27.8' E119° 34.5'	150° 330° 30	928			
▲ PIMOL N32° 14.8' E119° 45.7'	150° 330° 69	1 025			
▲ Wuxi VOR (VMB) N31° 44.6' E120° 11.5'	120° 300° 119	1 232			
▲ Nanxiang NDB (PK) N31° 17.0' E121° 19.8'	112° 292° 45				
▲ Pudong VOR (PUD) N31° 10.3' E121° 47.0'	082° 262° 64				
▲ IPRAG N31° 17.8' E122° 26.5'					
				↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
* A 593(con't) ▲ IPRAG N31° 17.8' E122° 26.5' ▲ DUMET N31° 21.7' E122° 46.5' ▲ AKARA N31° 30.0' E123° 30.0' ▲ LAMEN N31° 36.6' E124° 00.0' ▲ SADLI N31° 49.8' E125° 00.0'					Shanghai ACC
	082° 262° 33	600	20	↓	
	082° 262° 70				
	080° 260° 49		93		
	080° 260° 98				
* A593 实施 RNAV2 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需严格按照规定填写飞行计划报编组 10 和编组 18 内容, 空管部门会在起飞前的协同决策阶段给予优先放行; 对不符合 PBN 适航和运行合格审定要求的航空器, 空管部门将配备适当间隔以确保区域飞行的安全和秩序。					
* RNAV2 is implemented on A593. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required, and will be given a higher priority to fly; For aircraft do not meet, appropriate separation will be provided to ensure safety and efficiency of these area.					

国际航路 International air routes								
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit			
1	2	3	4	5	6			
A 596 ▲ Qingbaikou NDB (CD) N40° 00.8′ E115° 48.3′ ▲ Huailai NDB (KM) N40° 23.3′ E115° 29.8′ ▲ Tianzhen VOR (TZH) N40° 24.5′ E114° 03.1′ ▲ SELGO N40° 28.7′ E113° 05.2′ ▲ AKUKI N40° 30.2′ E112° 44.0′ ▲ Liangcheng NDB (SZ) N40° 31.1′ E112° 29.7′ ▲ DOTOS N40° 31.7′ E111° 56.9′ ▲ REPEP N40° 32.4′ E111° 11.0′ ▲ Baotou VOR (BAV) N40° 33.4′ E109° 59.9′ ▲ Dengkou VOR (DKO) N40° 18.9′ E106° 59.8′ ▲ Yabrai VOR (YBL) N39° 25.3′ E102° 46.5′					Beijing ACC			
	334° 154° 49	2 577		↓				
	277° 097° 122	2 934	20					
	281° 101° 82							
	281° 101° 30							
	281° 101° 20							
	276° 096° 46				2 937			
	276° 096° 65							
	276° 096° 100							
	268° 088° 255	2 950						
	257° 077° 374	2 507						
					↑	Lanzhou ACC		
	A 599 ▲ LINSO(中缅国境点) N23° 22.5′ E098° 55.0′ ▲ Gengma VOR (GMA) N23° 31.7′ E099° 24.5′ ▲ MAKUL N24° 07.3′ E100° 33.4′					Kunming ACC		
		072° 252° 53	3 577	20	↓			
		063° 243° 134	4 030				↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
A 599(con't) ▲ MAKUL N24° 07.3′ E100° 33.4′ ▲ GULOT N24° 37.4′ E101° 33.9′ ▲ Xishan VOR(SGM) N25° 04.9′ E102° 31.2′ ▲ Luxi VOR (LXI) N24° 32.5′ E103° 44.6′ ▲ ADBAG N24° 13.3′ E105° 13.0′ ▲ MEPAN N24° 06.2′ E105° 42.2′ ▲ Bose VOR (BSE) N23° 53.5′ E106° 38.7′ ▲ DUDIT N23° 49.3′ E108° 09.7′ ▲ Laibin VOR (LBN) N23° 45.8′ E109° 08.8′ ▲ BIPOP N23° 21.0′ E111° 08.9′ ▲ AVPAM N23° 12.5′ E111° 49.6′ ▲ Gaoyao VOR (GYA) N23° 04.2′ E112° 29.2′ ▲ Pingzhou VOR (POU) N23° 01.3′ E113° 11.4′					Kunming ACC
	<div>063° 243° 116</div>	3 906	20	↓	
	<div>063° 243° 109</div>	3 434			
	<div>117° 297° 137</div>				
	<div>105° 285° 154</div>	3 201			
	<div>105° 285° 51</div>				
	<div>105° 285° 99</div>	2 185		Nanning ACC	
	<div>095° 275° 154</div>	1 575			
	<div>095° 275° 100</div>	1 396			
	<div>105° 285° 209</div>	1 930			
	<div>105° 285° 71</div>	1 685			Guangzhou ACC
	<div>105° 285° 69</div>				
	<div>097° 277° 72</div>	1 600	10	↑	

国 际 航 路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
A 599(con't) ▲Pingzhou VOR (POU) N23° 01.3' E113° 11.4' ▲Conghua VOR (CON) N23° 35.3' E113° 35.2' ▲NOLON N24° 06.5' E113° 56.8' ▲Wongyuan VOR (WYN) N24° 21.0' E114° 06.7' ▲Nanxiong VOR (NNX) N25° 05.7' E114° 16.4' ▲Panlong VOR (PLT) N25° 48.5' E114° 52.5' ▲Nanfeng NDB (NF) N27° 12.5' E116° 33.5' ▲XUVGI N27° 31.2' E116° 55.3' ▲Shangrao VOR (SHR) N28° 25.0' E117° 58.2' ▲ELNEX N29° 37.9' E119° 29.4' ▲Tonglu VOR (TOL) N29° 46.0' E119° 39.6' ▲KAKIS N30° 29.0' E120° 08.8' ▲Nanxun VOR (NXD) N30° 53.8' E120° 25.8' ▲Jiuting VOR (JTN) N31° 07.4' E121° 20.5' ▲Pudong VOR (PUD) N31° 10.3' E121° 47.0'					Guangzhou ACC	
	035° 215° 75	1 810	8	↓		
	035° 215° 68	1 845				
	035° 215° 32	2 028				
	014° 194° 85					
	040° 220° 100					
	050° 230° 229	2 361	20	Shanghai ACC (Above 7 800m) Nanchang ACC (7 800m or below)		
	050° 230° 50	2 728				
	050° 230° 143	2 122				
	052° 232° 200					
	053° 233° 22					
	035° 215° 92	1 846	10	Shanghai ACC		
	035° 215° 53	1 232				
	079° 259° 90					
	088° 268° 42					
					↑	

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
*B 206 ▲ Fukang VOR (FKG) N44° 10.4′ E087° 59.0′ ▲ OMDAX N44° 34.5′ E087° 59.5′ △ RUROK N44° 47.4′ E087° 59.9′ ▲ Altay VOR (TAI) N47° 44.8′ E088° 05.0′ ▲ GOPTO (中俄国境点) N49° 05.5′ E087° 28.0′					Urumqi ACC	
	358° 178° 45	3 000		↓		
	358° 178° 24					
	358° 178° 328					
	339° 159° 156	4 500		↑		
* B206 实施 RNP4 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。						
* RNP4 is implemented on B206. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.						

国际航路 International air routes					
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1	2	3	4	5	6
B 208 ▲ Luogang VOR (HFE) N31° 46.5′ E117° 18.1′ ▲ PEDNU N32° 11.3′ E116° 43.7′ ▲ BIPIM N32° 33.9′ E116° 11.0′ ▲ Fuyang VOR (FYG) N32° 53.0′ E115° 43.8′ ▲ Zhoukou VOR (ZHO) N33° 39.9′ E114° 39.3′ ▲ Xinzheng VOR (CGO) N34° 31.1′ E113° 50.6′ ▲ DUBAG N34° 51.8′ E113° 43.8′ ▲ NOPIN N35° 26.8′ E113° 28.3′ ▲ TAMIX N35° 36.7′ E113° 23.9′ ▲ PADNO N35° 50.8′ E113° 17.6′ ▲ Changzhi NDB (SQ) N36° 14.4′ E113° 07.0′ ▲ EGEBI N36° 47.6′ E112° 56.2′ ▲ ANPIG N37° 03.3′ E112° 51.0′ ▲ XIVEP N37° 37.9′ E112° 39.5′ ▲ Taiyuan VOR (TYN) N37° 44.9′ E112° 37.2′ ▲ EKETA N37° 52.5′ E112° 35.4′ ▲ TODAM N39° 29.5′ E112° 12.1′					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
	314° 134° 71	989	20	↓	
	314° 134° 66				
	314° 134° 55				
	315° 135° 133	652	8		Beijing ACC (Above 9 800m) Zhengzhou ACC (9 800m or below)
	326° 146° 121	713			
	349° 169° 40	913			
	345° 165° 69	2 391		Beijing ACC (Above 7 800m) Taiyuan ACC (7 800m or below)	
	345° 165° 20				
	345° 165° 28				
	345° 165° 46	2 623			
	350° 170° 64				
	350° 170° 30				
	350° 170° 66	3 205			
	350° 170° 13				
	354° 174° 14				
	354° 174° 183			↑	

国 际 航 路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
B 208(con't) ▲TODAM N39° 29.5′ E112° 12.1′ ▲ISBAM N40° 12.6′ E112° 01.6′ ▲DOTOS N40° 31.7′ E111° 56.9′ ▲*Hohhot VOR (HET) N40° 43.5′ E111° 54.0′ ▲*NIXAL (中蒙国境点) N43° 12.7′ E110° 53.0′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)		
	354° 174° 81	3 205		↓			
	354° 174° 36						
	354° 174° 22	2 816					
	348° 168° 289						
						↑	
	* NIXAL 至呼和浩特 VOR 航段限制飞行高度 8 400 米以上使用, 8 400 米(不含)以下或往返呼和浩特/白塔机场的航空器由 NIXAL 经 G343 土木尔台 VOR、G218 至呼和浩特 VOR; 往返同。 * Segment NIXAL to Hohhot VOR limited to use with en-route altitudes 8 400m or above, aircraft below 8 400m or inbound to/outbound from Hohhot/Baita airport shall fly along NIXAL, G343, Tumurtai VOR, G218 to Hohhot VOR; and vice versa.						
	* B 213 ▲Lhasa VOR (LXA) N29° 17.8′ E090° 59.9′ ▲TAPUN N30° 00.2′ E093° 04.5′ ▲Changdu NDB (RG) N31° 08.8′ E097° 10.6′ ▲PEXUN N30° 55.7′ E100° 00.0′ ▲KAMAX N30° 47.0′ E101° 54.2′ ▲MIKOS N30° 41.9′ E102° 57.5′ ▲Chongzhou VOR (CZH) N30° 38.7′ E103° 41.2′ ▲Shuangliu VOR (CTU) N30° 34.4′ E103° 56.6′					Lhasa ACC	
069° 249° 215		6 886		↓			
072° 252° 413		7 470					
096° 276° 270		6 334					
096° 276° 182							
096° 276° 101							
096° 276° 70		5964					
110° 290° 26		1 372	↑				

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
B 213(con't) ▲ Shuangliu VOR (CTU) N30° 34.4′ E103° 56.6′ ▲ Wufengxi VOR (WFX) N30° 36.4′ E104° 29.5′ ▲ TEBUN N30° 39.7′ E104° 56.9′ ▲ Nanchong VOR (GAO) N30° 48.6′ E106° 11.3′ △ ANSAR N30° 39.4′ E106° 21.4′ ▲ Heliushui NDB (DS) N30° 12.0′ E106° 50.9′ ▲ Fuling VOR (FLG) N29° 42.0′ E107° 22.7′ ▲ BONBO N29° 47.2′ E107° 42.6′ ▲ LOTMO N30° 14.9′ E109° 26.1′ ▲ Enshi VOR (ENH) N30° 17.5′ E109° 36.1′ ▲ Sanxia VOR (YIH) N30° 33.8′ E111° 28.6′ ▲ Tianmen VOR (WTM) N30° 38.3′ E113° 08.6′					Chengdu ACC

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国际航路 International air routes						
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1	2	3	4	5	6	
B 215(con't) ▲ Taiyuan VOR (TYN) N37° 44.9' E112° 37.2' ▲ GODON N37° 46.5' E112° 21.1' ▲ OMKAK N37° 50.1' E111° 43.0' ▲ APOGO N37° 55.8' E110° 39.9' ▲ LUVES N38° 08.8' E108° 18.4' ▲ MIMOK N38° 12.0' E107° 45.0' ▲ Yinchuan VOR (YHD) N38° 20.8' E106° 24.6' ▲ OPULI N38° 44.1' E105° 05.3' * ▲ Yabrai VOR (YBL) N39° 25.3' E102° 46.5' ▲ Jiayuguan VOR (CHW) N39° 51.3' E098° 21.0' ** ▲ NUKTI N41° 51.7' E095° 12.0' ▲ Hami VOR (HMI) N42° 50.1' E093° 38.2' ▲ GURVO N43° 32.7' E090° 38.7' △ DUMAM N43° 57.9' E088° 48.7' ▲ Fukang VOR (FKG) N44° 10.4' E087° 59.0' △ Urumqi VOR (URC) N43° 54.6' E087° 28.5'						
	<div>280° 100° 24</div>	3 430	20	↓	Beijing ACC (Above 7 800m) Taiyuan ACC (7 800m or below)	
	<div>280° 100° 56</div>					
	<div>280° 100° 93</div>					
	<div>280° 100° 208</div>	2 250			Xi'an ACC	
	<div>280° 100° 49</div>	2 200			Lanzhou ACC	
	<div>281° 101° 118</div>					
	<div>294° 114° 123</div>	3 798				
	<div>294° 114° 214</div>	2 469				
	<div>278° 098° 382</div>	2 872				
	<div>310° 130° 346</div>	3 480				
	<div>310° 130° 168</div>	2 983			Urumqi ACC	
	<div>286° 106° 255</div>	4 944				
	<div>286° 106° 154</div>					
	<div>286° 106° 70</div>					
	<div>231° 051° 50</div>	2 400				
					↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
B 215(con't)					
△ Urumqi VOR (URC) N43° 54.6' E087° 28.5'	233° 053° 73	3 979		↓	
▲ KABDO N43° 32.6' E086° 43.0'	233° 053° 50				
△ EPDAG N43° 17.6' E086° 12.1'	233° 053° 22	5 889			
△ POSOT N43° 11.0' E085° 58.4'	233° 053° 194		20		Urumqi ACC
▲ BEBEP N42° 12.6' E084° 00.1'	233° 053° 100				
▲ Kuqa VOR (KCA) N41° 42.9' E082° 59.7'	230° 050° 296	2 600			
△ LESVI N40° 07.2' E080° 10.3'	230° 050° 315	2 287			
▲ Shache VOR (SCH) N38° 25.7' E077° 14.5'	221° 041° 231	7 026		↑	
** ▲ PURPA (中巴国境点) N36° 56.5' E075° 24.5'					Lahore FIR
* 雅不赖 VOR 至 NUKTI 航段需经管制同意后使用。 * Segments Yabrai VOR to NUKTI used by ATC. ** NUKTI 至乌鲁木齐 VOR 段实施 RNAV2 运行, 乌鲁木齐 VOR 段至 PURPA 段实施 RNP4 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。 ** RNAV2 is implemented on segments between NOKTI and Urumqi VOR (URC), RNP4 is implemented on segments between Urumqi VOR (URC) and PURPA. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.					
B 221					
▲ Lianjiang VOR (LJG) N26° 13.2' E119° 32.9'	036° 216° 119	1 975		↓ ↑	Shanghai ACC (Above 7 800m) Xiamen ACC (7 800m or below)
▲ RUPOX N27° 07.6' E120° 11.3'					

国际航路 International air routes									
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit				
1	2	3	4	5	6				
B 221(con't) ▲ RUPOX N27° 07.6' E120° 11.3' ▲ Dongshan VOR (DST) N27° 45.0' E120° 37.8' ▲ REMIM N28° 51.5' E120° 44.4' ▲ Shengzhou VOR (SHZ) N29° 36.0' E120° 49.0' ▲ SUPAR N30° 01.4' E120° 51.5' ▲ OKTUG N30° 05.3' E120° 57.6' ▲ Andong VOR (AND) N30° 15.4' E121° 13.3' ▲ ELAGO N30° 48.0' E122° 11.0' ▲ NINAS N31° 00.0' E122° 15.0' ▲ PINOT N31° 27.0' E122° 27.0' ▲ ALDAP N31° 37.5' E122° 22.2' ▲ IBEGI N31° 49.4' E122° 16.6' ▲ ODULO N33° 15.2' E121° 37.2' ▲ GORPI N33° 40.1' E121° 24.4' ▲ SAGUT N35° 00.0' E120° 46.0' ▲ IDVEL N35° 22.9' E120° 34.9' ▲ Xuejiadao VOR (XDX) N35° 58.7' E120° 17.4'									
	036° 216° 82	1 713		↓	Shanghai ACC				
	010° 190° 124	1 982							
	010° 190° 83	1 612							
	058° 238° 47	1 045							
	058° 238° 31	1 045							
	062° 242° 110	804							
	021° 201° 23								
	026° 206° 53	600							
	344° 164° 21	658							
	344° 164° 24								
	344° 164° 170								
	344° 164° 50	600							
	344° 164° 159								
	344° 164° 46	1 325							
	344° 164° 71								
						↑	Qingdao ACC		

国际航路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
B 330 ▲*MORIT (中蒙国境点) N42° 02.0′ E102° 49.0′ ▲GOBIN N41° 30.0′ E102° 48.5′ ▲*Yabrai VOR (YBL) N39° 25.3′ E102° 46.5′ ▲Jingtai VOR (JTA) N37° 11.8′ E104° 04.8′ ▲XIXAN N36° 16.8′ E104° 07.5′ △IKISI N35° 51.0′ E104° 08.8′ △ELPAN N34° 58.6′ E104° 11.5′ ▲OMBON N33° 21.4′ E104° 16.3′ ▲DOREX N31° 14.8′ E104° 22.5′ ▲Jintang VOR (JTG) N30° 52.3′ E104° 23.4′ ▲Wufengxi VOR (WFX) N30° 36.4′ E104° 29.5′ ▲Ziyang VOR (ZYG) N30° 07.1′ E104° 40.6′ ▲Xuyong VOR (XYO) N28° 10.3′ E105° 25.2′	183° 003° 59	2 507	20	↓	Lanzhou ACC		
	183° 003° 231						
	157° 337° 273	3 600				↑	Chengdu ACC
	180° 360° 102	3 454					
	180° 360° 48	4 207					
	180° 360° 97	4 490					
	180° 360° 180	5 095					
	180° 360° 235	5 094					
	180° 360° 42	1 593					
	164° 344° 31	1 659					
	164° 344° 57						
	163° 343° 228	2 382					

* 为加强对 B330（雅布赖 YBL-MORIT）航段飞行活动的监控，要求沿该段航路飞行的所有具备 FANS 1/FANS A 能力的航空器在预计加入该航段（雅布赖 YBL-MORIT）前 15 分钟人工登录到兰州的 ADS 地面系统（具备 CPDLC 功能），地面系统的登录地址为：ZLLL（兰州 ACC）。要求航空器在离开上述航段时与地面系统脱离。具备 FANS 1/FANS A 能力的航空器的驾驶员同时应当接受适当的培训，以胜任上述工作。
该航路的空中交通管制目前仍是只基于通过 VHF/HF 语音通讯的程序管制服务。CPDLC 仅用于通信试验，不用于实际的管制指挥。

* To strengthen the monitoring to flights on route segment of B330 from Yabrai (YBL) to MORIT (N42° 02.0′ E102° 49.0′), all FANS1/FANS A capable aircraft operating on this route is required to manually LOG ON to the ADS ground system with CPDLC capability in Lanzhou ACC (AFN address, ZLLL) 15 minutes prior to the pilot estimated time of entering the route segment and to LOG OUT when leaving the route segment. The pilot of FANS1/FANS A capable aircraft shall be trained appropriately to be qualified for it.
The air traffic control service provided on this route is procedure control, still based on the VHF/HF voice communication. CPDLC is only used for communication trial at present, not for realistic application in ATC operation.

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
B 330(con't)					
▲ Xuyong VOR (XYO) N28° 10.3' E105° 25.2'	156° 336° 21	2 372		↓	Chengdu ACC
▲ UKEGO N28° 00.0' E105° 30.8'	156° 336° 39	2 648			
▲ IDSEG N27° 40.8' E105° 41.2'	156° 336° 79	2 699			
▲ Qianxi VOR (QNX) N27° 02.5' E106° 01.8'	129° 309° 95	2 400			
▲ Guiyang VOR (KWE) N26° 31.4' E106° 47.7'	109° 289° 26	2 300			Guiyang ACC
▲ KAGRA N26° 27.4' E107° 02.4'	109° 289° 87	2 486			
▲ ESNIB N26° 14.1' E107° 52.8'	109° 289° 54	2 483			
▲ ELKAL N26° 05.8' E108° 23.8'	109° 289° 126	2 156			
▲ Sanjiang VOR (SJG) N25° 46.6' E109° 36.6'	138° 318° 88	2 450		↑	Guangzhou ACC (Above 7 800m) Guilin ACC (7 800m or below)
▲ MAMSI N25° 12.3' E110° 12.7'	138° 318° 82				
▲ Ertang NDB (QP) N24° 40.2' E110° 46.6'	138° 318° 72	1 972			
▲ MUBEL N24° 12.6' E111° 16.2'	138° 318° 177	1 874			
▲ Gaoyao VOR (GYA) N23° 04.2' E112° 29.2'	097° 72	1 600	10	↓	Guangzhou ACC
▲ Pingzhou VOR (POU) N23° 01.3' E113° 11.4'	139° 101	1 535	20		
▲ TAMOT N22° 21.5' E113° 52.0'					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
B 332 ▲ SANKO N38° 15.0' E122° 27.2' ▲ TOMUK N38° 43.0' E124° 00.0'					Dalian ACC
	<div>076° 256° 144</div>	600		<div>↓ ↑</div>	
B 334 ▲ Tanghekou NDB (YV) N40° 44.0' E116° 38.0' ▲ PIDOX N41° 14.1' E116° 37.5' ▲ KAKAT N42° 11.0' E118° 15.3' ▲ LELOG N42° 58.0' E120° 29.3' ▲ Tongliao VOR (TGO) N43° 33.6' E122° 11.8'					Beijing ACC
	<div>006° 186° 56</div>	2 647	20	<div>↓ <</div>	

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
B 345 ▲NONIM (中尼国境点) N27° 50.0′ E087° 26.0′ ▲Rikaze VOR (RKZ) N29° 21.3′ E089° 16.3′ ▲Lhasa VOR (LXA) N29° 17.8′ E090° 59.9′					Lhasa ACC	
	047° 227° 246	7 324		↓		
	092° 272° 167	6 726		↑		
B 451 ▲BISUN(中俄国境点) N43° 14.0′ E131° 11.8′ ▲Wangqing VOR (WQG) N43° 17.6′ E129° 47.1′ ▲ATODO N43° 48.5′ E129° 01.2′ ▲UGABI N44° 07.6′ E128° 33.0′ ▲KETOV N45° 01.8′ E127° 10.6′ ▲Harbin VOR (HRB) N45° 37.6′ E126° 15.6′ ▲ONINA N46° 16.3′ E125° 20.2′ ▲Qiqihar VOR (NDG) N47° 14.7′ E123° 55.2′ ▲TEPOD N47° 48.1′ E122° 46.2′ ▲Hailar VOR (HLD) N49° 12.2′ E119° 49.3′					Shenyang ACC	
	283° 103° 114	2 077		↓		
	323° 143° 84	2 290				
	323° 143° 52					
	323° 143° 148					
	323° 143° 98					
	325° 145° 101	830			Harbin ACC	
	325° 145° 152					
	316° 136° 106	2 080				Hailar ACC
	316° 136° 267					

国际航路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
B 458 ▲ Erenhot VOR (LHT) N43° 24.8′ E112° 07.6′ ▲ Tumurtai VOR (TMR) N41° 50.6′ E113° 09.2′ ▲ Tianzhen VOR (TZH) N40° 24.5′ E114° 03.1′ ▲ LARAD N39° 08.8′ E114° 36.2′ ▲ UBTAB N38° 29.8′ E114° 40.5′ ▲ Zhengding VOR (SJW) N38° 16.8′ E114° 41.9′ △ OLRAP N37° 29.9′ E114° 47.4′ ▲ Weixian VOR (WXI) N36° 21.8′ E114° 55.0′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)		
	160° 340° 195	2360					
	160° 340° 176	2 934					
	167° 347° 148	2 906					
	180°	2 617			↑ ↓		
	72 180°						
	24 180°						
	87 180°	756					Beijing ACC
	127						
				Taibei FIR			
				Shanghai ACC			
005° 185° 229	600		↓ ↑				
297° 117° 71							
*飞行高度 8 400 米（不含）以上；往返同。 *En-route altitudes above 8 400m; and vice versa.							

国 际 航 路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
G 204 ▲ Huangshan VOR (TXN) N29° 44.3′ E118° 15.2′ ▲ ABVIL N29° 38.5′ E119° 18.9′ ▲ ELNEX N29° 37.9′ E119° 29.4′ ▲ UGAGO N29° 37.7′ E119° 39.1′ ▲ Shengzhou VOR (SHZ) N29° 36.0′ E120° 49.0′ ▲ VEXEX N29° 58.4′ E121° 02.8′ ▲ Andong VOR (AND) N30° 15.4′ E121° 13.3′ ▲ Jiuting VOR (JTN) N31° 07.4′ E121° 20.5′					Shanghai ACC	
	<div>100° 280° 103</div>	2 050		↓		
	<div>098° 278° 17</div>					
	<div>096° 276° 16</div>	1 846				
	<div>096° 276° 112</div>					
	<div>033° 213° 47</div>	1 617				
	<div>033° 213° 36</div>					
	<div>012° 192° 97</div>	1 232				↑

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
* G 212					
▲ ARGUK(中俄国境点) N47° 53.0' E134° 39.5'	042° 2	700			
▲ Haiqing NDB (IJ) N47° 52.1' E134° 38.7'	081° 335	1 099		↑	
▲ Jiamusi VOR (JMU) N46° 50.5' E130° 27.9'	258° 078° 253	1 834		↓	Harbin ACC
▲ IGADO N45° 57.8' E127° 24.7'	258° 078° 97				
▲ Harbin VOR (HRB) N45° 37.6' E126° 15.6'	245° 065° 102		20		
▲ EKADO N45° 06.1' E125° 11.2'	245° 065° 37	890			
▲ Fuyu VOR (FYU) N44° 54.7' E124° 48.2'	243° 063° 87				
▲ OTABO N44° 27.3' E123° 54.9'	243° 063° 170	850			
▲ Tongliao VOR (TGO) N43° 33.6' E122° 11.8'	240° 060° 116	2 490			Shenyang ACC
▲ IKOKO N42° 54.7' E121° 04.6'	240° 060° 173				
△ UPNAT N41° 56.6' E119° 25.5'	240° 060° 93				
▲ DABMA N41° 25.3' E118° 32.7'	237° 057° 145	2 716			
▲ Chedaoyu NDB (CDY) N40° 34.7' E117° 13.4'	242° 062° 49				Beijing ACC
▲ Huairou VOR (HUR) N40° 19.8' E116° 44.9'	252° 072° 87	2 771		↑	
▲ Qingbaikou NDB (CD) N40° 00.8' E115° 48.3'					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
* G 212 (con't)					Beijing ACC
▲ Qingbaikou NDB (CD) N40° 00.8′ E115° 48.3′	<div>233° 053° 42</div>	2 903		↓	
▲ RENOB N39° 45.3′ E115° 26.8′	<div>233° 053° 99</div>				
▲ LARAD N39° 08.8′ E114° 36.2′	<div>233° 053° 79</div>	2 881			
▲ NONIT N38° 40.5′ E113° 55.6′	<div>233° 053° 99</div>	2 404			
▲ EXUMI N38° 05.0′ E113° 04.9′	<div>233° 053° 55</div>				
▲ Taiyuan VOR (TYN) N37° 44.9′ E112° 37.2′	<div>237° 057° 235</div>	2 700	20		
▲ OKVUM N36° 28.4′ E110° 30.6′	<div>237° 057° 128</div>				
▲ NUGLA N35° 46.8′ E109° 22.6′	<div>202° 022° 112</div>	2 332	8		
▲ Mizi VOR (MIZ) N34° 49.2′ E108° 59.7′	<div>199° 019° 26</div>				
▲ Sanyuan NDB (OD) N34° 35.9′ E108° 54.9′	<div>191° 011° 42</div>	2 200			
▲ Yanzhuang NDB (ZS) N34° 13.3′ E108° 51.2′	<div>209° 029° 112</div>	3 615	10		
▲ Ningshan VOR (NSH) N33° 19.1′ E108° 18.7′	<div>236° 056° 186</div>	3 300	20		
▲ SUBUL N32° 19.7′ E106° 42.6′				↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
* G 212 (con't)					Chengdu ACC
▲ SUBUL N32° 19.7′ E106° 42.6′	<div>236° 056° 158</div>	2 689	20	↓	
▲ ARAPA N31° 28.9′ E105° 21.5′	<div>236° 056° 77</div>				
▲ VENON N31° 04.2′ E104° 42.2′	<div>236° 056° 37</div>				
▲ Jintang VOR (JTG) N30° 52.3′ E104° 23.4′	<div>186° 006° 105</div>				
▲ Fujiachang VOR (FJC) N29° 55.7′ E104° 18.2′	<div>182° 002° 138</div>	1 659	10		
▲ KAKMI N28° 41.1′ E104° 17.7′	<div>182° 002° 108</div>				
▲ OMLIP N27° 42.6′ E104° 17.2′	<div>182° 002° 94</div>	3 289	20		
▲ Weining NDB (HX) N26° 51.6′ E104° 16.9′	<div>220° 040° 98</div>				
▲ MEBNA N26° 10.8′ E103° 39.0′	<div>220° 040° 112</div>				
▲ Panlong VOR (XFA) N25° 24.1′ E102° 56.0′					
* G212 实施 RNAV5 运行，申请使用时，已完成相关 PBN 适航和运行合格审定的航空器，需严格按照规定填写飞行计划报编组 10 和编组 18 内容，空管部门会在起飞前的协同决策阶段给予优先放行；对不符合 PBN 适航和运行合格审定要求的航空器，空管部门将配备适当间隔以确保区域飞行的安全和秩序。					
* RNAV5 is implemented on G212. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required, and will be given a higher priority to fly; For aircraft do not meet, appropriate separation will be provided to ensure safety and efficiency of these area.					

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
G 218 ▲ Hohhot VOR (HET) N40° 43.5′ E111° 54.0′ ▲ IGPAS N41° 27.6′ E112° 43.1′ ▲ Tumurtai VOR (TMR) N41° 50.6′ E113° 09.2′ △ UKBAD N43° 00.7′ E113° 11.4′ ▲ POLHO (中蒙国境点) N44° 47.0′ E113° 15.0′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)	
	045° 225° 106	2 806		↓		
	045° 225° 56					
	007° 187° 130	2 378		↑		
	007° 187° 197					
G 221 ▲ BUNTA N16° 50.0′ E109° 23.7′ ▲ SAGSU N17° 30.1′ E109° 09.8′ ▲ KAGUK N17° 40.2′ E109° 09.9′ ▲ Sanya VOR (SYX) N18° 18.6′ E109° 10.4′ ▲ Baolong NDB (WL) N18° 29.3′ E109° 24.2′ ▲ *GIVIL N19° 15.0′ E109° 50.0′ ▲ *Nanyingbindao VOR (NYB) N20° 00.9′ E110° 08.2′ ▲ SAMAS N20° 30.3′ E110° 29.7′ ▲ GIVIV N20° 57.2′ E111° 03.3′ ▲ BIGRO N21° 34.2′ E111° 49.6′					Sanya ACC	
	343° 163° 78	600		↓		
	002° 182° 19					
	002° 182° 71					
	052° 232° 32	1 932	10			Sanya ACC (Above 7 200m) Sanya APP (7 200m or below)
	029° 209° 96	2 482				
	022° 202° 91	2 050				
	036° 216° 66	822				
	051° 231° 77	1 469				Guangzhou ACC
	051° 231° 105					
					↑	
	*C、D 类航空器飞行高度 6 900 米—11 900 米。 *En-route altitudes for aircrafts CAT C and D 6 900m—11 900m.					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
G 327 ▲ Jiuting VOR (JTN) N31° 07.4′ E121° 20.5′ ▲ NINAS N31° 00.0′ E122° 15.0′ ▲ LASAN N31° 00.0′ E122° 25.5′ ▲ BONGI N31° 00.0′ E122° 38.9′ ▲ BOLEX N31° 00.0′ E123° 00.0′ ▲ TONIX N31° 19.9′ E123° 32.6′ ▲ LAMEN N31° 36.6′ E124° 00.0′					Shanghai ACC
	104° 284° 88	1 232		↓ <	

国 际 航 路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
G 332 ▲ GITUM N40° 44.7′ E116° 59.1′ ▲ SABEM N41° 00.0′ E117° 10.0′ ▲ RULOP N41° 14.5′ E118° 37.9′ ▲ Chaoyang VOR (CHG) N41° 32.2′ E120° 26.0′					Beijing ACC		
	<div>215° 32</div>	2 032		↑			
	<div>085° 265° 126</div>	2 490		↓			
	<div>085° 265° 154</div>			↑			
					Shenyang ACC		
G 338 △ KAGAK N49° 16.0′ E118° 06.0′ ▲ SARUL (中蒙国境点) N48° 30.9′ E115° 47.2′					Hailar ACC		
	<div>252° 072° 189</div>	1 611		↓			
				↑			
G 341 ▲ Tongliao VOR(TGO) N43° 33.6′ E122° 11.8′ ▲ BUTET N43° 40.9′ E124° 17.8′ ▲ Wanchang VOR(LJB) N43° 46.4′ E125° 51.1′ ▲ BUTID N43° 37.4′ E127° 17.0′ ▲ KANVU N43° 23.7′ E129° 03.9′ ▲ Wangqing VOR (WQG) N43° 17.6′ E129° 47.1′					Shenyang ACC		
	<div>095° 275° 169</div>	1271		↓			
	<div>095° 275° 125</div>						
	<div>108° 288° 116</div>	1 884					
	<div>110° 290° 146</div>	1 918					
	<div>110° 290° 59</div>			↑			

国际航路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
G 343 ▲ Tumurtai VOR (TMR) N41° 50.6′ E113° 09.2′ △ ASURI N42° 36.2′ E111° 54.0′ ▲ NIXAL (中蒙国境点) N43° 12.7′ E110° 53.0′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)		
	315° 135° 133	2 377		↓			
	315° 135° 107			↑			
G 345 ▲ UNTAN N32° 12.2′ E120° 17.1′ ▲ Benniu NDB (ZJ) N31° 56.5′ E119° 42.6′ ▲ OBLAP N31° 40.8′ E119° 06.5′ ▲ Lishui NDB (GS) N31° 39.1′ E119° 02.5′					Shanghai ACC		
	247° 067° 61	750		↓			
	248° 068° 64	1 058		↑			
	248° 068° 7						
G 455 ▲ Nanxiang NDB (PK) N31° 17.0′ E121° 19.8′ ▲ Hengsha VOR (HSH) N31° 22.1′ E121° 50.8′ ▲ ALDAP N31° 37.5′ E122° 22.2′ ▲ MATNU N31° 39.6′ E122° 38.0′ ▲ EMSAN N31° 40.7′ E122° 46.5′ ▲ SURAK N31° 46.4′ E123° 29.5′ ▲ LAMEN N31° 36.6′ E124° 00.0′					Shanghai ACC		
	084° 264° 50	1 232		↓			
	066° 246° 57						
	087° 267° 25	600					
	087° 267° 14						
	087° 267° 69						
	116° 296° 51						
						↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
G 470 ** ▲ Qitai VOR (QTV) N43° 59.3′ E089° 36.7′ ▲ ESBID N43° 22.4′ E090° 32.1′ △ TAMOX N42° 52.9′ E091° 12.5′ ▲ IPMUN N42° 31.1′ E091° 41.7′ ** ▲ BIKNO N40° 54.9′ E093° 50.9′ ▲ Dunhuang VOR (DNH) N40° 09.9′ E094° 50.1′ ▲ AKTOB N39° 34.9′ E096° 16.0′ △ IGPIT N37° 37.3′ E101° 00.1′ ▲ ELBAD N37° 22.5′ E101° 35.0′ * ▲ Jingtai VOR (JTA) N37° 11.8′ E104° 04.8′ ▲ Jingning VOR (JIG) N35° 31.9′ E105° 43.4′ ▲ VISIN N35° 25.6′ E106° 23.3′ ▲ Changwu NDB (HO) N35° 12.6′ E107° 46.1′					Urumqi ACC
	130° 310°	4248		↓	
	101				
	134° 314°				
	77				
	134° 314°	2 617	20		
	57				
	134° 314°				
	252				
	134° 314°	6 081			
	118				
	119° 299°				
	138				
	119° 299°	5 624			
	466				
	119° 299°	3 617			
58					
097° 277°	3 542	20			
221					
144° 324°					
236					
103° 283°					
61					
103° 283°					
128					
				↑	Xi'an ACC
*奇台 VOR 至景泰 VOR 航段飞行高度 6 000 米至 12 500 米; 往返同。 * Segments Qitai VOR to Jingtai VOR en-route altitudes 6 000m—12 500m; and vice versa. ** 奇台 VOR 至 BIKNO 段实施 RNAV2 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。 ** RNAV2 is implemented on segments between Qitai VOR (QTV) and BIKNO. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
G 471 ▲Pingzhou VOR (POU) N23° 01.3′ E113° 11.4′ ▲Shilong VOR (SHL) N23° 05.5′ E113° 51.0′ ▲Longmen VOR (LMN) N23° 38.9′ E114° 19.6′ ▲XEBUL N24° 17.0′ E114° 51.0′ ▲EGEDA N25° 20.9′ E115° 06.7′ ▲Panlong VOR (PLT) N25° 48.5′ E114° 52.5′					Guangzhou ACC
	085°	1 200		↓	
	70				
	041°	1 881			
	79				
	039°	1 920			
	88				
	015°				
	121	1 785			
338°					
56					
G 586 ▲Yingde VOR (YIN) N24° 11.4′ E113° 24.9′ ▲NODOG N24° 34.6′ E111° 17.7′ ▲Ertang NDB (QP) N24° 40.2′ E110° 46.6′ ▲MAMSI N25° 12.3′ E110° 12.7′ ▲Sanjiang VOR (SJG) N25° 46.6′ E109° 36.6′ ▲LAGEX N26° 25.8′ E109° 01.6′					Guangzhou ACC
	284°	2 446		↓	
	219				
	284°	2 329		Guangzhou ACC (Above 7 800m) Guilin ACC (7 800m or below)	
	53				
	318°	2 450			↓
	138°				
	82				
	318°	1 912			
	138°				
	88				
	324°	1 912	↑		
144°					
94					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
*G 588 ▲ Fukang VOR (FKG) N44° 10.4' E087° 59.0' △ TESAN N47° 01.7' E089° 47.8' ▲ TEBUS(中蒙国境点) N47° 25.1' E090° 27.7'					Urumqi ACC
	021° 201° 347	3 350		↓	
	046° 226° 66	4 500		↑	
* G588 实施 RNP4 运行，申请使用时，已完成相关 PBN 适航和运行合格审定的航空器，需按规定填写飞行计划报编组 10 和编组 18 内容；不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器，仍旧按照现行执行。 * RNP4 is implemented on G588. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
* G 597 ▲ AGAVO N37° 10.0′ E124° 00.0′ △ DONVO N37° 34.0′ E123° 20.0′					Dalian ACC
	314° <u>134°</u> 74	600	20	↓ ↑	
<p>* G597 实施 RNAV5 运行，申请使用时，已完成相关 PBN 适航和运行合格审定的航空器，需严格按照规定填写飞行计划报编组 10 和编组 18 内容，空管部门会在起飞前的协同决策阶段给予优先放行；对不符合 PBN 适航和运行合格审定要求的航空器，空管部门将配备适当间隔以确保区域飞行的安全和秩序。</p> <p>* RNAV5 is implemented on G597. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required, and will be given a higher priority to fly; For aircraft do not meet, appropriate separation will be provided to ensure safety and efficiency of these area.</p>					

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
R 200					Taipei FIR	
▲ * OLDID N23° 00′ 00″ E117° 30′ 00″	270° 090°	1 121		↓	Guangzhou ACC (Above 4 500m) Shantou APP (4 500m or below)	
▲ LAPUG N22° 59.7′ E117° 22.8′	270° 090°					
▲ BEBEM N22° 57.0′ E116° 21.6′	104					
▲ SUMDO N22° 54.0′ E115° 52.9′	266° 086° 49	1 205				
▲ OVGOT N22° 47.0′ E114° 45.0′	266° 086° 117	1 936				
▲ VIPAP N22° 45.7′ E114° 31.9′	266° 086° 22					
▲ Guanlan VOR (GLN) N22° 42.5′ E114° 02.0′	266° 086° 51	1 604				
▲ Lianshengwei VOR (ZUH) N22° 13.3′ E113° 28.0′	229° 049° 80	1 543				
▲ ADBIN N21° 58.1′ E112° 49.3′	249° 069° 72	1 535				
▲ MEPOG N21° 51.5′ E112° 32.8′	249° 069° 31					
▲ BIGRO N21° 34.2′ E111° 49.6′	249° 069° 81					
▲ Huguang NDB (LH) N21° 08.1′ E110° 20.0′	254° 074° 162	1 468			↑	
*飞越 OLDID 高度 8 400 米（不含）以上。 *Altitudes over OLDID above 8 400m.						

国 际 航 路 International air routes					
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1	2	3	4	5	6
R 213 ▲MAGIT(中俄国境点) N47° 41.5′ E131° 09.0′ ▲Jiamusi VOR (JMU) N46° 50.5′ E130° 27.9′					Harbin ACC
	220°	1 088		↓	
	108				
R 224 ▲Yanji VOR (YNJ) N42° 53.0′ E129° 27.1′ ▲VASRO(中朝国境点) N42° 27.8′ E129° 44.4′					Shenyang ACC
	163°	1 947		↓ ↑	
	343° 52				
					Pyongyang FIR
R 339 ▲SIKOU N20° 50.6′ E111° 30.0′ ▲GIVIV N20° 57.2′ E111° 03.3′ ▲Huguang NDB (LH) N21° 08.1′ E110° 20.0′ ▲Nankang VOR (BHY) N21° 35.2′ E109° 25.9′ ▲ALEKI N21° 51.0′ E109° 05.7′ ▲NIKUK N22° 07.0′ E108° 45.1′ ▲Nanning VOR (WUY) N22° 35.1′ E108° 08.9′ ▲UVUNO N23° 01.8′ E107° 38.5′ ▲Bose VOR (BSE) N23° 53.5′ E106° 38.7′					Guangzhou ACC
	287°	833		↓	
	107°				
	48				
	287°	866			
	107°				
	77				
	300°	1 016			
	120°				
	106				
	312°	1 229			
	132°				
	46				
312°	1 779				
132°					
46					
312°					
132°					
81					
315°					
135°					
72					
315°					
135°					
140	↑				

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
R 343					
*▲Nanxiang NDB (PK) N31° 17.0' E121° 19.8'	295° 115° 102	1 232		↓	
▲SASAN N31° 35.4' E120° 19.2'	278° 098° 61				
▲ESBAG N31° 37.2' E119° 40.4'	278° 098° 50	1 058			Shanghai ACC
▲LUPVI N31° 38.7' E119° 08.6'	278° 098° 10		14		
▲Lishui NDB (GS) N31° 39.1' E119° 02.5'	280° 100° 89	1 080			Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
▲MADUK N31° 43.1' E118° 06.3'	280° 100° 76				
▲Luogang VOR (HFE) N31° 46.5' E117° 18.1'	254° 074° 144				
▲MIDOX N31° 19.3' E115° 52.9'	254° 074° 144	2 329			
▲SAGUD N30° 51.9' E114° 27.6'	254° 074° 26				Guangzhou ACC (Above 7 800m) Wuhan ACC (7 800m or below)
*▲Tianhe VOR (WHA) N30° 46.9' E114° 12.2'	211° 031° 109	954			
▲Longkou VOR (LKO) N29° 54.4' E113° 41.5'	218° 038° 75	1 509			
▲GOSMA N29° 21.2' E113° 14.5'	218° 038° 175	1 517	20		Guangzhou ACC (Above 7 800m) Changsha ACC (7 800m or below)
▲Laoliangcang VOR (LLC) N28° 04.1' E112° 12.5'	214° 034° 302	2 741			
▲ONEMI N25° 45.1' E110° 36.5'	214° 034° 25				
▲Darongjiang NDB (VQ) N25° 33.7' E110° 28.6'	216° 036° 48	2 198			Guangzhou ACC (Above 7 800m) Guilin ACC (7 800m or below)
▲MAMSI N25° 12.3' E110° 12.7'	216° 036° 71			↑	
▲ENKUS N24° 40.7' E109° 49.2'					
* 南翔 NDB 至天河 VOR 段实施 RNAV2 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需严格按照规定填写飞行计划报编组 10 和编组 18 内容, 空管部门会在起飞前的协同决策阶段给予优先放行; 对不符合 PBN 适航和运行合格审定要求的航空器, 空管部门将配备适当间隔以确保区域飞行的安全和秩序。 * RNAV2 is implemented on segments between Nanxiang NDB (PK) and Tianhe VOR (WHA). When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required, and will be given a higher priority to fly; For aircraft do not meet, appropriate separation will be provided to ensure safety and efficiency of these area.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
R 343 (con't) ▲ ENKUS N24° 40.7' E109° 49.2' ▲ Laibin VOR (LBN) N23° 45.8' E109° 08.8' ▲ SARUG N23° 14.8' E108° 42.4' ▲ Nanning VOR (WUY) N22° 35.1' E108° 08.9'					Nanning ACC
	216° 036° 122	1 495	20	↓	
	219° 039° 73	1 650		↑	
	219° 039° 93				
R 471 ▲ ADBAG N24° 13.3' E105° 13.0' ▲ KATBO(中越国境点) N23° 21.6' E105° 17.5'					Kunming ACC
	176° 356° 96	2 555		↓ ↑	
R 473 ▲ Liling VOR (LIG) N27° 38.9' E113° 31.0' ▲ BEMAG N26° 01.1' E114° 00.1' ▲ Nanxiong VOR (NNX) N25° 05.7' E114° 16.4' ▲ Wongyuan VOR (WYN) N24° 21.0' E114° 06.7' ▲ NOLON N24° 06.5' E113° 56.8' ▲ Conghua VOR (CON) N23° 35.3' E113° 35.2' ▲ Pingzhou VOR (POU) N23° 01.3' E113° 11.4' ▲ VIBOS N22° 37.5' E113° 19.7' ▲ Lianshengwei VOR (ZUH) N22° 13.3' E113° 28.0' ▲ SIERA N21° 59.1' E113° 33.2'					Guangzhou ACC (Above 7 800m) Changsha ACC (7 800m or below)
	168° 187 168°	2 720 2 661		↓	
	106 194°	2 028			8
	85 215°	1 845			
	32 215°				
	68 215°	1 810			
	75 165° 345° 46	944		↓	
	165° 345° 47	1 181		↑	
	163° 28			↓	

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
R 474 ▲ Gaoyao VOR (GYA) N23° 04.2′ E112° 29.2′ ▲ OSIKA N22° 51.3′ E110° 33.2′ ▲ VAPNA N22° 41.7′ E109° 07.3′ ▲ Nanning VOR (WUY) N22° 35.1′ E108° 08.9′ ▲ XEREN N22° 25.6′ E107° 15.3′ ▲ Longzhou VOR (LON) N22° 21.4′ E106° 52.1′ ▲ *TEBAK(中越国境点) N22° 10.5′ E106° 40.5′					Guangzhou ACC	
	265° 085° 199	1 811		↓		
	265° 085° 148	1 875			Nanning ACC	
	265° 085° 100					
	261° 081° 94	1 645	20			
	261° 081° 40					
	226° 046° 28			↑		
					Hanoi FIR	
	*FEET/METERS Transitional area: From TEBAK to the point of 80km in the territory of China.					
	R 596 ▲ Yunhe NDB (BZ) N28° 06.1′ E119° 33.7′ ▲ *Dongshan VOR (DST) N27° 45.0′ E120° 37.8′ ▲ OKATO N27° 35.1′ E121° 34.6′ ▲ *SULEM N27° 26′ 20″ E122° 25′ 19″					Shanghai ACC
114° 294° 112		2 193		↓		
105° 285° 95		1 348				
105° 285° 85		600		↑		
				Taipei FIR		
在东山 VOR 与 SULEM 之间飞行员应全程开启应答机和 TCAS 系统; Pilot shall operate transponder and TCAS between DST and SULEM at all time; OKATO 与 SULEM 以西 5 海里之间为上海飞行情报区公制 RVSM 高度层配备和台北飞行情报区英制 RVSM 高度层配备转换区域; Segment between OKATO and 5NM west of SULEM is transition area between Metric RVSM FLAS in Shanghai FIR and Feet RVSM FLAS in Taipei FIR; 云和 NDB 至 SULEM 使用西向飞行高度层; SULEM 至云和 NDB 使用东向飞行高度层; BZ to SULEM allocated westbound flight level; SULEM to BZ allocated eastbound flight level; 向东飞行的航空器过 SULEM 使用 FL240/280/340 高度层; 向西飞行的航空器过 SULEM 使用 FL250/290/370 高度层。 A/C to eastbound shall use FL240/280/340 over SULEM; A/C to westbound shall use FL250/290/370 over SULEM. *航线高度 6 000 米至 12 500 米。 *En-route altitude 6 000m—12 500m.						

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 1 ▲PIDOX N41° 14.1′ E116° 37.5′ ▲NIKIT N40° 39.2′ E117° 27.0′ ▲Luanxian VOR (LUX) N39° 44.5′ E118° 43.6′ ▲UPSAT N39° 09.0′ E118° 56.5′ ▲PAMDA N38° 48.2′ E119° 03.7′					Beijing ACC Available during time of 1600-2200
	140° 320° 95	2 716		↓	
	140° 320° 148				
	171° 351° 68	952		↑	
	171° 351° 40	603			
V 2 (By ATC) ▲Hengsha VOR (HSH) N31° 22.1′ E121° 50.8′ ▲UDOXI N31° 52.6′ E121° 47.1′ ▲ODULO N33° 15.2′ E121° 37.2′					Shanghai ACC
	360° 180° 57	1 232		↓ ↑	
	360° 180° 154	600			
V 3 (By ATC) ▲Nanxiang NDB (PK) N31° 17.0′ E121° 19.8′ ▲BUNVA N31° 58.4′ E121° 25.9′ ▲ODULO N33° 15.2′ E121° 37.2′					Shanghai ACC
	013° 193° 77	1 232		↓ ↑	
	013° 193° 143	600			

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 5 (By ATC) ▲BEMAG N26° 01.1′ E114° 00.1′ ▲ ATAGA N24° 09.7′ E113° 41.0′ ▲ Conghua VOR (CON) N23° 35.3′ E113° 35.2′					Guangzhou ACC
	191°	2 661		↓	
	209				
	191°	1 818			
	64				
V 8 (By ATC) ▲ Hengsha VOR (HSH) N31° 22.1′ E121° 50.8′ ▲ Nantong VOR(NTG) N32° 05.8′ E120° 58.7′					Shanghai ACC
	320°	1 232		↓ ↑	
	140°				
	115				
V 9 (By ATC) ▲ AMVIK N40° 04.0′ E116° 59.5′ ▲ TONIL N39° 54.0′ E117° 23.3′ ▲ PAMDA N38° 48.2′ E119° 03.7′					Beijing ACC
	125°	1 464		↓	
	39				
	136°				
	188				
V 10 (By ATC) ▲ TONIL N39° 54.0′ E117° 23.3′ ▲ Tianjin NDB (CG) N39° 04.8′ E117° 22.5′ ▲ PANKI N37° 17.8′ E117° 00.0′					Beijing ACC
	187°	1 464		↓	
	91				
	195°	1 197			
	201				

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
*V 11 (By ATC) △ Urumqi VOR (URC) N43° 54.6′ E087° 28.5′ ▲ VARMI N44° 20.1′ E087° 41.1′ ▲ OMDAX N44° 34.5′ E087° 59.5′ ▲ PUBAM N44° 28.7′ E089° 04.1′ ▲ Qitai VOR (QTV) N43° 59.3′ E089° 36.7′					Urumqi ACC
	017°	1 997		↓	
	50				
	039°	1 136			
	36				
	094°	1 190			
	86				
	139°	1 691			
	70				
* V11 实施 RNAV2 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。 * RNAV2 is implemented on V11. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.					
V 12 (By ATC) ▲ Nanyingbindao VOR (NYB) N20° 00.9′ E110° 08.2′ ▲ AGPOR N20° 18.2′ E110° 13.8′					Sanya ACC (Above 7 200m) Haikou APP (7 200m or below)
	018°	870		↓	
	198° 33			↑	
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.					
V 13 (By ATC) ▲ Dongmulantou VOR (MLT) N20° 09.1′ E110° 40.4′ ▲ AGPOR N20° 18.2′ E110° 13.8′					Sanya ACC (Above 7 200m) Haikou APP (7 200m or below)
	291°	822		↓	
	111° 49			↑	
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.					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 14 (By ATC) ▲ PIMOL N32° 14.8′ E119° 45.7′ ▲ AGPUX N32° 10.4′ E119° 29.4′ ▲ Dajiaochang NDB (A) N31° 59.1′ E118° 47.6′					Shanghai ACC
	258° 078° 27	1 049		↓	
	258° 078° 69			↑	
V 15 (By ATC) ▲ LADIX N39° 07.8′ E116° 59.5′ ▲ PANKI N37° 17.8′ E117° 00.0′					Beijing ACC
	186° 204	1 197		↓	
V 17 (By ATC) ▲ Guanlan VOR (GLN) N22° 42.5′ E114° 02.0′ ▲ SULAS N22° 55.0′ E114° 13.3′ ▲ IGAGA N23° 09.9′ E114° 27.2′ ▲ UBDOB N23° 21.7′ E114° 37.5′					Guangzhou ACC
	043° 223° 30	1 918		↓	
	043° 223° 36				
	043° 223° 28			↑	

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 18 (By ATC) ▲UBDOB N23° 21.7' E114° 37.5' ▲XEBUL N24° 17.0' E114° 51.0'					Guangzhou ACC
	<div>015° 195° 105</div>	1 920		<div>↓ ↑</div>	
V 19 (By ATC) ▲Huguang NDB (LH) N21° 08.1' E110° 20.0' ▲UDUTI N21° 51.0' E111° 56.0' ▲Nanlang VOR (NLG) N22° 31.9' E113° 33.7'					Guangzhou ACC
	<div>066° 246° 183</div>	1 937		<div>↓ ↑</div>	
	<div>068° 248° 184</div>	1 614			
V 20 (By ATC) ▲BIGRO N21° 34.2' E111° 49.6' ▲UDUTI N21° 51.0' E111° 56.0'					Guangzhou ACC
	<div>021° 201° 33</div>	1 468		<div>↓ ↑</div>	
V 21 (By ATC) ▲AVPAM N23° 12.5' E111° 49.6' ▲UDUTI N21° 51.0' E111° 56.0' ▲MEPOG N21° 51.5' E112° 32.8' ▲Gaolan NDB (UJ) N21° 55.2' E113° 17.6'					Guangzhou ACC
	<div>178° 358° 151</div>	1 739		<div>↓ ↑</div>	
	<div>091° 271° 63</div>	1 363			
	<div>087° 267° 77</div>	1 382			
V 25 (By ATC) ▲AVPAM N23° 12.5' E111° 49.6' ▲Gaolan NDB (UJ) N21° 55.2' E113° 17.6'					Guangzhou ACC
	<div>136° 316° 208</div>	1 685		<div>↓ ↑</div>	

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 27 (By ATC) ▲ Hengsha VOR (HSH) N31° 22.1′ E121° 50.8′ ▲ POMOK N31° 27.0′ E121° 07.0′					Shanghai ACC
	<div>283° 103° 70</div>	1 232		<div>↓ ↑</div>	
V 30 (By ATC) ▲ Tianjin NDB (CG) N39° 04.8′ E117° 22.5′ △ KAMOM N37° 23.5′ E117° 15.3′ ▲ Jinan VOR (YQG) N36° 50.0′ E117° 12.9′					Beijing ACC
	<div>189° 009° 188</div>	1 197		<div>↓ ↑</div>	
	<div>189° 009° 62</div>	1 020			
V 31 (By ATC) ▲ LADIX N39° 07.8′ E116° 59.5′ △ GOTVA N37° 21.4′ E117° 09.9′ ▲ Jinan VOR (YQG) N36° 50.0′ E117° 12.9′					Beijing ACC
	<div>181° 001° 198</div>	1 197		<div>↓ ↑</div>	
	<div>181° 001° 58</div>	1 020			

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 32 (By ATC) ▲ Xinzheng VOR (CGO) N34° 31.1′ E113° 50.6′ ▲ AKOMA N34° 41.5′ E114° 45.2′					Beijing ACC (Above 9 800m) Zhengzhou ACC (9 800m or below)
	<u>081°</u>	713		↓	
	86				
参阅郑州/新郑机场标准仪表离场程序。 Refer SID of ZHENGZHOU/Xinzheng airport.					
V 33 (By ATC) ▲ Weixian VOR (WXI) N36° 21.8′ E114° 55.0′ ▲ LEKUB N35° 31.4′ E114° 15.0′ ▲ DUBAG N34° 51.8′ E113° 43.8′					Beijing ACC (Above 9 800m) Zhengzhou ACC (9 800m or below)
	<u>217°</u>	832		↓	
	111				
	<u>217°</u>				
	87				
参阅郑州/新郑机场标准仪表进场程序。 Refer STAR of ZHENGZHOU/Xinzheng airport.					
V 34 (By ATC) ▲ Zu'an VOR (ZNX) N34° 06.7′ E108° 30.2′ ▲ NingshanVOR (NSH) N33° 19.1′ E108° 18.7′					Xi'an ACC
	<u>195°</u>	3 615		↓ ↑	
	015°				
	90				
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.					
V 35 (By ATC) ▲ Niuling VOR (JCS) N23° 35.9′ E116° 24.7′ ▲ DOTMI N22° 43.1′ E116° 10.1′					Guangzhou ACC
	<u>197°</u>	1 885		↓ ↑	
	017°				
	101				
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.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 36(By ATC)					Guangzhou ACC
▲ Niuling VOR (JCS) N23° 35.9′ E116° 24.7′	066° 246° 72	2097		↓	
▲ SAPUT N23° 53.5′ E117° 02.7′	066° 246° 56			↑	
▲ TEBON N24° 07.0′ E117° 32.0′					
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.					
V 37 (By ATC)					Guangzhou ACC
▲ Niuling VOR (JCS) N23° 35.9′ E116° 24.7′	119° 299° 40	1 885		↓	
▲ Shantou VOR (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.					
V 38 (By ATC)					Chengdu ACC
▲ Nanchong VOR (GAO) N30° 48.6′ E106° 11.3′	103° 283° 316	2 723		↓	
▲ OKTUV N30° 19.1′ E109° 26.3′	103° 283° 16			↑	
▲ Enshi VOR (ENH) N30° 17.5′ E109° 36.1′					
V 39 (By ATC)					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
▲ PEDNU N32° 11.3′ E116° 43.7′	057° 237° 63	943		↓	
▲ SEGPI N32° 32.0′ E117° 16.0′			↑		

国 际 航 路 International air routes					
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1	2	3	4	5	6
V 40 (By ATC)					Sanya ACC (Above 7 200m) Sanya/Haikou APP (7 200m or below)
▲ RUNEG N20° 30.0′ E108° 11.1′	<div>181° 001° 84</div>	600		↓	
▲ ENSIX N19° 44.9′ E108° 10.9′	<div>181° 001° 54</div>				
▲ XELOV N19° 15.7′ E108° 10.8′	<div>181° 001° 69</div>				
▲ ADKUN N18° 38.5′ E108° 10.6′	<div>181° 001° 64</div>				
▲ URDIN N18° 03.7′ E108° 11.0′	<div>133° 313° 67</div>				
▲ IDLUS N17° 39.7′ E108° 39.1′	<div>090° 270° 54</div>				
▲ KAGUK N17° 40.2′ E109° 09.9′	<div>090° 270° 13</div>				
▲ ATALA N17° 40.3′ E109° 17.3′					
V 41 (By ATC)					
▲ RUNEG N20° 30.0′ E108° 11.1′	<div>137° 317° 151</div>	894		↓	
▲ DABUB N19° 31.2′ E109° 11.6′	<div>170° 350° 117</div>	2 711			
▲ Baolong NDB (WL) N18° 29.3′ E109° 24.2′				↑	

国际航路 International air routes								
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit			
1	2	3	4	5	6			
V 42 (By ATC)	<div>246°</div> <div>600</div>				Qingdao ACC			
▲ GUMED N38° 01.0′ E120° 34.3′								↓
▲ REPOL N37° 35.5′ E119° 40.7′						92		
V 43 (By ATC)	<div>283°</div> <div>18</div> <div>193°</div> <div>19</div> <div>134°</div> <div>98</div>				Dalian ACC			
▲ Dalian VOR (DBL) N38° 57.7′ E121° 34.2′						1 004		↓
▲ VABRA N38° 58.7′ E121° 21.7′						1 065		
▲ REDEM N38° 48.4′ E121° 20.4′								
▲ 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.								
V 44 (By ATC)	<div>283°</div> <div>18</div> <div>222°</div> <div>98</div>				Dalian ACC			
▲ Dalian VOR (DBL) N38° 57.7′ E121° 34.2′						1 004		↓
▲ VABRA N38° 58.7′ E121° 21.7′						1 065		
▲ 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.								
V 45 (By ATC)	<div>075°</div> <div>74</div> <div>056°</div> <div>26</div>				Dalian ACC			
△ ALARA N38° 33.7′ E120° 33.1′						1 065		↓
▲ REDEM N38° 48.4′ E121° 20.4′								
▲ Dalian VOR(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.								

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 46 (By ATC) ▲ UNSEK N38° 36.8' E120° 14.1' ▲ RANBO N38° 58.8' E121° 08.6' ▲ Dalian VOR(DBL) N38° 57.7' E121° 34.2'					Dalian ACC
	<u>070°</u>	1 065		↓	
	89				
	<u>100°</u>	1 004			
	37				
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.					
V 47 (By ATC) ▲ Dalian VOR(DBL) N38° 57.7' E121° 34.2' ▲ VIDUX N39° 00.9' E120° 52.6' ▲ SARUD N38° 49.9' E120° 09.8' ▲ ANRAT N38° 39.5' E119° 57.4'					Dalian ACC
	<u>283°</u>	1 004		↓	
	60				
	<u>259°</u>	815			
	65				
	<u>230°</u>	600			
	26				
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.					
V 48 (By ATC) ▲ Tianjin NDB (CG) N39° 04.8' E117° 22.5' ▲ BIMEG N39° 20.0' E117° 54.0' ▲ UPSAT N39° 09.0' E118° 56.5' ▲ PAMDA N38° 48.2' E119° 03.7'					Beijing ACC
	<u>064°</u>	1 197		↓	
	53				
	<u>109°</u>	617			
	92				
	<u>171°</u>	603			
	40				

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
V 49 (By ATC) ▲ Huaian VOR (HUN) N33° 46.4′ E119° 06.6′ △ NIXEM N32° 56.5′ E119° 09.6′					Shanghai ACC
	<div>183° 003° 93</div>	622		<div>↓ ↑</div>	
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.					
V 50 (By ATC) ▲ LAGEX N26° 25.8′ E109° 01.6′ ▲ XONID N27° 03.4′ E108° 28.0′ ▲ TAXOR N27° 49.7′ E107° 46.4′ ▲ OTLEK N28° 11.3′ E107° 26.4′ ▲ UNRIX N28° 46.0′ E106° 55.0′					Guiyang ACC
	<div>324° 144° 89</div>	2 163		<div>↓ ↑</div>	
	<div>324° 144° 110</div>	2 403			
	<div>324° 144° 52</div>	2 135			
	<div>324° 144° 82</div>	2 606			
V 51 (By ATC) ▲ Nantong VOR(NTG) N32° 05.8′ E120° 58.7′ ▲ ODULO N33° 15.2′ E121° 37.2′					Shanghai ACC
	<div>031° 211° 142</div>	600		<div>↓ ↑</div>	
V 52 (By ATC) ▲ Dajiaochang NDB(A) N31° 59.1′ E118° 47.6′ ▲ XUTGU N32° 27.8′ E119° 34.5′					Shanghai ACC
	<div>059° 239° 91</div>	1 049		<div>↓ ↑</div>	
V 53 (By ATC) ▲ PIKAS N32° 10.0′ E120° 44.0′ ▲ Yancheng VOR(YCH) N33° 25.3′ E120° 12.3′					Shanghai ACC
	<div>346° 166° 148</div>	700		<div>↓ ↑</div>	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 2 ▲ Sanjiang VOR (SJG) N25° 46.6′ E109° 36.6′ ▲ Wutong NDB (PA) N25° 24.3′ E110° 03.6′ ▲ Yongfu NDB (JW) N25° 00.5′ E110° 01.0′ ▲ MOTOM N24° 41.4′ E109° 47.6′ ▲ Laibin VOR (LBN) N23° 45.8′ E109° 08.8′					Guangzhou ACC (Above 7 800m) Guilin ACC (7 800m or below)
	<div>134° 314° 61</div>	2 404	10	↓	
	<div>187° 007° 45</div>	2 450			
	<div>214° 034° 42</div>	1 853			
	<div>214° 034° 122</div>	1 495			
					Nanning ACC
W 3 ▲ Qijiang VOR (QJG) N29° 03.1′ E106° 39.9′ ▲ ENLIL N28° 19.0′ E106° 41.6′ ▲ APUKI N28° 09.6′ E106° 42.2′ ▲ NIKUN N27° 59.4′ E106° 43.1′ ▲ AGTIS N27° 22.1′ E106° 45.0′ ▲ SUMUN N26° 47.2′ E106° 46.8′ ▲ Guiyang VOR (KWE) N26° 31.4′ E106° 47.7′					Chengdu ACC
	<div>180° 360° 82</div>	2 419		↓	
	<div>180° 360° 18</div>				
	<div>180° 360° 19</div>				
	<div>180° 360° 69</div>	2 413			
	<div>180° 360° 65</div>	2 309			
	<div>180° 360° 29</div>	2 296			
					Guiyang ACC

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 4 ▲ TAMIX N35° 36.7′ E113° 23.9′ ▲ Weixian VOR (WXI) N36° 21.8′ E114° 55.0′ ▲ GULEK N36° 33.4′ E115° 24.3′ ▲ RAXEV N37° 09.8′ E116° 56.1′ ▲ NOBUP N37° 21.3′ E117° 25.0′ ▲ BASOV N37° 27.4′ E118° 13.0′ ▲ Dongying VOR (DYN) N37° 31.7′ E118° 47.2′ ▲ REPOL N37° 35.5′ E119° 40.7′ ▲ Huangcheng VOR(HCH) N37° 39.3′ E120° 32.6′ ▲ TEKAM N37° 35.2′ E120° 45.3′ ▲ Tunli NDB (FZ) N37° 27.1′ E121° 10.7′ ▲ KAGIP N37° 40.0′ E122° 00.0′					Beijing ACC (Above 9 800m) Zhengzhou ACC (9 800m or below)
	063° 243° 160	3 013		↓	
	069° 249° 49	661			
	069° 249° 151	657			Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	069° 249° 48				
	087° 267° 72	789			
	087° 267° 51				
	091° 271° 79	1 357			Qingdao ACC
	091° 271° 77				
	119° 299° 20	1 417			
	119° 299° 40				
	079° 259° 76	1 230		↑	

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
W 4 (con't)					Chengdu ACC	
▲ KAGIP N37° 40.0′ E122° 00.0′	103° 283° 29	1 018		↓		
▲ VIKOK N37° 38.5′ E122° 19.4′	103° 283° 57					
▲ TUSGI N37° 35.6′ E122° 58.0′	103° 283° 32			↑	Dalian ACC	
△ DONVO N37° 34.0′ E123° 20.0′						
W 5						
▲ Dalian VOR (DBL) N38° 57.7′ E121° 34.2′	221° 041° 56	1 065		↓	Dalian ACC	
▲ EKULI N38° 32.6′ E121° 13.0′	221° 041° 11					
▲ MAKNO N38° 27.8′ E121° 08.9′	245° 065° 44	802				
▲ KARPI N38° 15.0′ E120° 43.0′	213° 033° 29					
▲ GUMED N38° 01.0′ E120° 34.3′	190° 010° 40	1 357			Qingdao ACC	
▲ Huangcheng VOR(HCH) N37° 39.3′ E120° 32.6′	193° 013° 75	1 417				
▲ BIKOB N36° 59.0′ E120° 26.7′	193° 013° 51					
▲ ATLED N36° 31.9′ E120° 22.7′	188° 008° 27					
▲ Qingdao VOR(TAO) N36° 17.3′ E120° 22.2′						

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 6 ▲ Conghua VOR (CON) N23° 35.3′ E113° 35.2′ ▲ SAREX N22° 52.9′ E113° 29.0′ ▲ *Nanlang VOR (NLG) N22° 31.9′ E113° 33.7′ ▲ *LATOP N22° 16.9′ E113° 38.6′					Guangzhou ACC
	190°	1 818		↓	
	79				
	170°	1 130			
	40				
	166° 346° 29	1 535		↓ ↑	
*参阅澳门机场标准仪表进场/标准仪表离场程序。 *Refer STAR/SID of MACAO airport.					
W 7 ▲ Pingzhou VOR (POU) N23° 01.3′ E113° 11.4′ ▲ SAREX N22° 52.9′ E113° 29.0′ ▲ Lianshengwei VOR (ZUH) N22° 13.3′ E113° 28.0′					Guangzhou ACC
	120°	972		↓	
	34				
	184°	1 181			
	73				
W 8 ▲ NIXEP N38° 15.0′ E120° 59.3′ △ DOBGA N38° 24.8′ E121° 27.5′ ▲ LEGIP N38° 33.5′ E121° 30.7′ ▲ Dalian VOR (DBL) N38° 57.7′ E121° 34.2′					Dalian ACC
	073°	802		↓	
	45				
	023°	600			
	17				
	014°	1 004			
45					
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.					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 11 ▲ Pudong VOR (PUD) N31° 10.3′ E121° 47.0′ ▲ PINOT N31° 27.0′ E122° 27.0′					Shanghai ACC
	069° 249° 71	1 232		↓ ↑	
W 13 ▲ PINOT N31° 27.0′ E122° 27.0′ ▲ IPRAG N31° 17.8′ E122° 26.5′ ▲ LASAN N31° 00.0′ E122° 25.5′ ▲ PONAB N30° 35.3′ E122° 24.1′ ▲ RULMU N30° 15.0′ E122° 23.0′ ▲ Zhoushan VOR (HSN) N29° 55.9′ E122° 21.8′ ▲ TOGUG N29° 12.0′ E122° 32.0′ ▲ BEGMO N28° 00.0′ E121° 50.0′ ▲ *OKATO N27° 35.1′ E121° 34.6′ ▲ *Dongshan VOR (DST) N27° 45.0′ E120° 37.8′					Shanghai ACC En-route altitude 8 400m or above
	188° 008° 17	1 145		↓	
	188° 008° 33				
	188° 008° 46				
	188° 008° 38				
	188° 008° 35				
	173° 353° 83				
	212° 032° 150				
	213° 033° 53	600			
	285° 105° 95	1 348			

*航线高度 6 000 米至 12 500 米。
*En-route altitude 6 000m—12 500m.

国际航路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
W 15 ▲ DADAT N30° 27.0′ E121° 14.8′ ▲ Shuyuan VOR (XSY) N30° 55.9′ E121° 52.4′					Shanghai ACC		
	053° 233° 80	1 232		↓ ↑			
参阅上海/浦东机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHANGHAI/Pudong airport.							
W 18 ▲ Wongyuan VOR (WYN) N24° 21.0′ E114° 06.7′ ▲ SANIP N24° 01.6′ E114° 00.9′ ▲ NOMAR N23° 30.5′ E113° 51.4′ ▲ UBLIM N22° 53.3′ E113° 40.2′ ▲ Nanlang VOR (NLG) N22° 31.9′ E113° 33.7′ ▲ TAMOT N22° 21.5′ E113° 52.0′					Guangzhou ACC		
	198° 37	1 845		↓			
	198° 60						
	198° 72	1 881					
	198° 41	1 130					
	124° 37	1 535					

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
W 19 ▲ Changbei VOR (NCH) N28° 53.1′ E115° 54.7′ ▲ Lijia NDB (RP) N28° 37.1′ E115° 42.5′ ▲ REMAX N28° 22.6′ E115° 31.2′ ▲ OSONO N27° 45.9′ E115° 39.3′ ▲ Panlong VOR (PLT) N25° 48.5′ E114° 52.5′ ▲ MABAG N24° 18.8′ E114° 30.4′ ▲ BILAT N23° 52.1′ E114° 08.8′ ▲ NOMAR N23° 30.5′ E113° 51.4′ ▲ Pingzhou VOR (POU) N23° 01.3′ E113° 11.4′					Shanghai ACC (Above 7 800m) Nanchang ACC (7 800m or below)	
	<div>218° 038° 36</div>	1 441		↓ ↑		
	<div>217° 037° 33</div>					
	<div>172° 352° 69</div>	1 769	20			
	<div>203° 023° 231</div>	1 804				
	<div>195° 170</div>	2 030			↓	
	<div>219° 62</div>					
	<div>219° 50</div>	1 810				
	<div>234° 87</div>					
	W 20 ▲ MABAG N24° 18.8′ E114° 30.4′ ▲ NOLON N24° 06.5′ E113° 56.8′					Guangzhou ACC
		<div>251° 61</div>	2 030		↓	

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
W 21 ▲Guanlan VOR (GLN) N22° 42.5′ E114° 02.0′ ▲MIPAG N22° 55.3′ E113° 44.5′ ▲Cencun VOR (CEN) N23° 09.1′ E113° 25.0′ ▲NUSLA N23° 24.7′ E113° 30.9′					Guangzhou ACC	
	310° 130° 38	1 543		↓ ↑		
	310° 130° 42	1 134				
	021° 201° 30	1 393				
	W 22 ▲*Guanlan VOR (GLN) N22° 42.5′ E114° 02.0′ ▲IDUMA N22° 53.8′ E113° 57.1′ ▲*Shilong VOR (SHL) N23° 05.5′ E113° 51.0′ ▲NUSLA N23° 24.7′ E113° 30.9′ ▲TEPID N23° 32.1′ E113° 23.1′ ▲Yingde VOR (YIN) N24° 11.4′ E113° 24.9′					Guangzhou ACC
340° 160° 22		1 567		↓ ↑		
337° 157° 24						
318° 49		1 600			↓	
318° 19						
005° 73		1 818				
*参阅深圳/宝安机场标准仪表进场/标准仪表离场程序。 *Refer STAR/SID of SHENZHEN/Baoan airport.						

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 23 ▲ Nanlang VOR (NLG) N22° 31.9' E113° 33.7' ▲ Lianshengwei VOR (ZUH) N22° 13.3' E113° 28.0'					Guangzhou ACC
	199°	1 535		↓	
	36				
W 24 ▲ Ziyang VOR (ZYG) N30° 07.1' E104° 40.6' ▲ Yibin VOR (YBN) N28° 47.9' E104° 33.4' ▲ DONLA N27° 42.0' E104° 23.9' ▲ RELUT N27° 27.6' E104° 21.9' ▲ Weining NDB (HX) N26° 51.6' E104° 16.9'					Chengdu ACC
	186°	1 600		↓	
	006°				
	147				
	189°	3 289			
	009°				
	123				
	189°	3 455			Kunming ACC
	009°				
	27				
	189°				
	009°				
	67			↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 25 ▲ Xuyong VOR (XYO) N28° 10.3' E105° 25.2' ▲ Yibin VOR (YBN) N28° 47.9' E104° 33.4' ▲ Fujiachang VOR (FJC) N29° 55.7' E104° 18.2'					Chengdu ACC
	311° ——	2 395		↓	
	110				
	351° ——	1 600			
	128				
W 26 ▲ Jintang VOR (JTG) N30° 52.3' E104° 23.4' ▲ OGOMO N30° 51.1' E105° 00.3' ▲ Nanchong VOR (GAO) N30° 48.6' E106° 11.3'					Chengdu ACC
	094° ——			↓	
	274°				
	58	1 646			
	094° ——			↑	
W 27 ▲ IKITI N45° 54.9' E121° 14.1' ▲ Tongliao VOR (TGO) N43° 33.6' E122° 11.8'					Shenyang ACC
	173° ——	1 992		↓	
	353°			↑	
	273				

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 29 ▲ SUBUL N32° 19.7′ E106° 42.6′ ▲ TOREG N31° 21.5′ E106° 03.8′ ▲ OGOMO N30° 51.1′ E105° 00.3′ ▲ Wufengxi VOR (WFX) N30° 36.4′ E104° 29.5′					Chengdu ACC
	212° 032° 124	2 689		↓ ↑	
	243° 063° 115	1 659			
	243° 063° 56				
W 30 ▲ Heliushui NDB (DS) N30° 12.0′ E106° 50.9′ ▲ Jiangbei VOR (CKG) N29° 44.8′ E106° 39.2′ * ▲ Qijiang VOR (QJG) N29° 03.1′ E106° 39.9′ ▲ SABED N28° 19.8′ E105° 52.4′ ▲ UKEGO N28° 00.0′ E105° 30.8′ * ▲ IDSID N27° 37.8′ E105° 06.7′ ▲ Weining NDB (HX) N26° 51.6′ E104° 16.9′					Chengdu ACC
	202° 022° 54	2 304	8	↓ ↑	
	181° 001° 77	1 954			
	226° 046° 111	2 443	20		
	226° 046° 51				
	226° 046° 57				
	226° 046° 118	3 453			
	* 綦江 VOR 至 IDSID 航段飞行高度 9 200 米(不含)至 12 500 米。 * Segments Between Qijiang VOR and IDSID , en-route altitude 9 200m (exclusive)—12 500m.				

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 32 ▲*INTIK (中蒙国境点) N43° 40.8′ E111° 54.1′ △ ASURI N42° 36.2′ E111° 54.0′ ▲*Hohhot VOR (HET) N40° 43.5′ E111° 54.0′ ▲Liangcheng NDB (SZ) N40° 31.1′ E112° 29.7′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)
	185° 005° 120	2 816		↓	
	185° 005° 208				
	119° 299° 55	2 904		↑	
	*限制飞行高度 8 400 米以上使用。 *Limited to use with en-route altitudes 8 400m or above.				
W 33 ▲POLHO (中蒙国境点) N44° 47.0′ E113° 15.0′ ▲Xilinhot VOR 'HOT' N43° 54.9′ E115° 58.0′ ▲AKPAD N42° 11.1′ E116° 28.5′ ▲PIDOX N41° 14.1′ E116° 37.5′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)
	121° 236	2 078		↓	
	175° 197	2 299			
	180° 106	2 647		Beijing ACC	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 38 ▲ Hengsha VOR (HSH) N31° 22.1′ E121° 50.8′ ▲ PINOT N31° 27.0′ E122° 27.0′					Shanghai ACC
	086° <hr/> 266° 58	1 232		↓ ↑	
W 39 ▲ Mudanjiang VOR (MDJ) N44° 30.9′ E129° 33.8′ ▲ UGABI N44° 07.6′ E128° 33.0′ ▲ SAMAV N43° 47.1′ E128° 47.5′ ▲ KANVU N43° 23.7′ E129° 03.9′ ▲ Yanji VOR (YNJ) N42° 53.0′ E129° 27.1′					Harbin ACC
	252° <hr/> 072° 91	1 860		↓	
	163° <hr/> 343° 43	1 918		↑	Shenyang ACC
	163° <hr/> 343° 49				
	161° <hr/> 341° 65				

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 40 ▲LADIX N39° 07.8′ E116° 59.5′ ▲IDKUP N38° 17.5′ E116° 37.5′ ▲PANKI N37° 17.8′ E117° 00.0′ ▲Jinan VOR (YQG) N36° 50.0′ E117° 12.9′					Beijing ACC
	205° 98	1 197		↓	
	169° 115	700			
	165° 55	1 427			
					Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	W 41 ▲Dawangzhuang VOR (VYK) N39° 11.7′ E116° 34.3′ ▲Chedaoyu NDB (CDY) N40° 34.7′ E117° 13.4′				
026° 206° 164		1 600		↓ ↑	
W 42 ▲Yanji VOR (YNJ) N42° 53.0′ E129° 27.1′ ▲Wangqing VOR (WQG) N43° 17.6′ E129° 47.1′					Shenyang ACC
	041° 221° 53	1 658		↓ ↑	
W 44 ▲MABAG N24° 18.8′ E114° 30.4′ ▲IGONO N23° 58.0′ E114° 03.9′ ▲Conghua VOR (CON) N23° 35.3′ E113° 35.2′					Guangzhou ACC
	232° 59	2 030		↓	
	232° 64	1 845			

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
W 46 ▲ REMAX N28° 22.6′ E115° 31.2′ ▲ ANISA N28° 18.0′ E114° 59.6′ ▲ OVTAN N28° 12.7′ E114° 20.9′ ▲ Datuopu NDB (ZK) N28° 01.1′ E112° 57.8′ ▲ Laoliangcang VOR (LLC) N28° 04.1′ E112° 12.5′					Shanghai ACC (Above 7 800m) Nanchang ACC (7 800m or below)	
	264° 084° 53	1 781	20	↓		
	264° 084° 64					
	264° 084° 137				1 517	↑
	277° 097° 74					
	W 50 ▲ *Tianhe VOR (WHA) N30° 46.9′ E114° 12.2′ ▲ Tianhe NDB (HG) N30° 55.5′ E114° 21.0′ ▲ SAGUD N30° 51.9′ E114° 27.6′ ▲ *Xishui VOR (XSH) N30° 26.1′ E115° 16.0′ ▲ IKUBA N30° 51.3′ E115° 54.1′ ▲ Luogang VOR (HFE) N31° 46.5′ E117° 18.1′					Guangzhou ACC (Above 7 800m) Wuhan ACC (7 800m or below)
		046° 226° 21	1 182		↓	
126° 306° 12		1 200	8			
126° 306° 91						
057° 237° 76		2 355		↑	Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)	
057° 237° 168		2 374				
*参阅武汉/天河机场标准仪表进场/标准仪表离场程序。 *Refer STAR/SID of WUHAN/Tianhe airport.						

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航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 51 ▲ Luogang VOR (HFE) N31° 46.5′ E117° 18.1′ ▲ LEGIV N31° 36.5′ E117° 34.5′ ▲ MADUK N31° 43.1′ E118° 06.3′					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
	<div>130° 310° 32</div>	1 127		↓ ↑	
	<div>080° 260° 52</div>				
参阅合肥/骆岗机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HEFEI/Luogang airport.					
W 53 ▲ Weihai VOR (WEH) N37° 11.0′ E122° 13.6′ ▲ VIKOK N37° 38.5′ E122° 19.4′					Qingdao ACC
	<div>017° 197° 52</div>	1 153		↓ ↑	
参阅威海/大水泊机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of WEIHAI/Dashuipo airport.					
W 58 ▲ Shengzhou VOR (SHZ) N29° 36.0′ E120° 49.0′ ▲ Lishe NDB (BK) N29° 53.7′ E121° 20.0′ ▲ ATRIP N30° 36.8′ E121° 47.0′ ▲ Shuyuan VOR (XSY) N30° 55.9′ E121° 52.4′					Shanghai ACC
	<div>061° 241° 60</div>	1 612		↓	
	<div>033° 213° 91</div>				
	<div>019° 199° 36</div>	600		↑	

国 际 航 路 International air routes					
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1	2	3	4	5	6
W 59 ▲ Hengshui NDB (HG) N37° 43.0′ E115° 42.3′ ▲ AVNIX N38° 43.0′ E116° 04.5′ ▲ Zangangzhen NDB (JB) N39° 02.6′ E116° 11.9′					Beijing ACC
	022° 202°	655		↓ ↑	
	116				
	022° 202° 38				
W 60 ▲ Zangangzhen NDB (JB) N39° 02.6′ E116° 11.9′ ▲ BIVOR N38° 20.0′ E116° 22.0′					Beijing ACC
	355° 80	650		↑	
W 63 ▲ Tianzhen VOR (TZH) N40° 24.5′ E114° 03.1′ ▲ Qingbaikou NDB (CD) N40° 00.8′ E115° 48.3′					Beijing ACC
	112° 292° 155	3 020		↓ ↑	
W 66 ▲ NUKTI N41° 51.7′ E095° 12.0′ ▲ EJINAQI VOR (JNQ) N41° 59.4′ E101° 03.0′ ▲ GOBIN N41° 30.0′ E102° 48.5′ ▲ ATBUG N41° 01.8′ E104° 28.4′ ▲ Dengkou VOR (DKO) N40° 18.9′ E106° 59.8′					Lanzhou ACC
	089° 269° 484	3 340	20	↓ ↑	
	113° 293° 156	2 425			
	113° 293° 149				
	113° 293° 227				
	飞行高度 6 000 米至 12 500 米; 往返同。 En-route altitudes 6 000m—12 500m; and vice versa.				

国际航路 International air routes					
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1	2	3	4	5	6
W 67 ▲ SUPAR N30° 01.4' E120° 51.5' ▲ VEXEX N29° 58.4' E121° 02.8' ▲ Lishe NDB (BK) N29° 53.7' E121° 20.0' ▲ Zhoushan VOR (HSN) N29° 55.9' E122° 21.8'					Shanghai ACC
	<u>111°</u> 291° 19	1 575		↓	
	<u>111°</u> 291° 29				
	<u>093°</u> 273° 99			↑	
W 68 ▲ TAMOT N22° 21.5' E113° 52.0' ▲ IDUMA N22° 53.8' E113° 57.1'					Guangzhou ACC
	<u>011°</u> 60	1 535		↓	
W 70 ▲ Nanyingbindao VOR (NYB) N20° 00.9' E110° 08.2' ▲ LIDLU N20° 30.0' E109° 43.0' ▲ PEGDU N20° 53.0' E109° 23.0' ▲ Nankang VOR (BHY) N21° 35.2' E109° 25.9'					Sanya ACC (Above 7 200m) Haikou APP (7 200m or below)
	<u>322°</u> 142° 70	822		↓	
	<u>322°</u> 142° 55				Guangzhou ACC
	<u>005°</u> 185° 78	866		↑	

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1	2	3	4	5	6
W 73 ▲PUMEV N31° 59.4′ E118° 48.5′ ▲Dajiaochang NDB (A) N31° 59.1′ E118° 47.6′ ▲MADUK N31° 43.1′ E118° 06.3′					Shanghai ACC
	<div>250° 070° 2</div>	1 080		↓ ↑	
	<div>250° 070° 71</div>				
W 74 ▲DABMA N41° 25.3′ E118° 32.7′ ▲SABEM N41° 00.0′ E117° 10.0′					Beijing ACC
	<div>255° 075° 124</div>	2 490		↓ ↑	
W 75 ▲SOSDI N40° 06.8′ E115° 29.5′ ▲BEGRI N40° 06.5′ E114° 30.0′ ▲ANOLO N40° 06.5′ E114° 00.0′ ▲MEGUS N40° 15.1′ E113° 38.7′ ▲SELGO N40° 28.7′ E113° 05.2′					Beijing ACC
	<div>275° 095° 84</div>	3 482		↓	
	<div>275° 095° 42</div>				
	<div>303° 123° 34</div>	3 020		↑	
	<div>303° 123° 54</div>				
					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)
W 76 ▲BEGRI N40° 06.5′ E114° 30.0′ ▲NONIT N38° 40.5′ E113° 55.6′					Beijing ACC
	<div>202° 022° 167</div>	3 658		↓ ↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 77 ▲LADIX N39° 07.8′ E116° 59.5′ ▲Shigezhuang NDB (VM) N39° 17.8′ E116° 54.1′ ▲Dawangzhuang VOR (VYK) N39° 11.7′ E116° 34.3′					Beijing ACC
	343° ———— 163° 20	1 197		↓	
	254° ———— 074° 31	728		↑	
	W 78 ▲Chedaoyu NDB (CDY) N40° 34.7′ E117° 13.4′ ▲ASAVA N40° 20.2′ E116° 19.6′ ▲SOSDI N40° 06.8′ E115° 29.5′				
257° ———— 077° 80		3 020		↓	
257° ———— 077° 75				↑	
W 79 ▲Shigezhuang NDB (VM) N39° 17.8′ E116° 54.1′ ▲IDKUP N38° 17.5′ E116° 37.5′					
	198° ———— 114	1 197		↓	
W 80 ▲Huailai NDB (KM) N40° 23.3′ E115° 29.8′ ▲Huairou VOR (HUR) N40° 19.8′ E116° 44.9′ ▲Dawangzhuang VOR (VYK) N39° 11.7′ E116° 34.3′					Beijing ACC
	100° ———— 280° 106	2 577		↓	
	193° ———— 013° 127	1 600		↑	

国际航路 International air routes					
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1	2	3	4	5	6
W 81 ▲ Hengshui NDB (HG) N37° 43.0' E115° 42.3' ▲ BOBAK N39° 07.6' E116° 24.3'					Beijing ACC
	027° ——	650		↓	
	168				
W 82 ▲ BIVOR N38° 20.0' E116° 22.0' ▲ NIRON N38° 51.2' E116° 37.7' ▲ DOGAR N39° 09.8' E116° 47.1'					Beijing ACC
	027° ——	1 020		↓	
	62				
	027° ——				
	37				
W 83 ▲ Chedaoyu NDB (CDY) N40° 34.7' E117° 13.4' ▲ NIKIT N40° 39.2' E117° 27.0' ▲ ANDIN N41° 04.7' E118° 42.9'					Beijing ACC
	073° 253° 21	2 716		↓	
	073° 253° 116				
				↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	航迹(磁)、 距离(千米) Track(MAG) DIST(km)	最低飞行高 度 MNM flight altitude(m)	航路宽度 (千米) Lateral limits (km)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 86 ▲ Tumurtai VOR (TMR) N41° 50.6′ E113° 09.2′ ▲ POKOR N42° 02.6′ E116° 08.9′ ▲ KAKAT N42° 11.0′ E118° 15.3′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)
	091° 271° 249	2 399		↓	
	091° 271° 174	2 429		↑	Beijing ACC
W 88 ▲ Hekou VOR (HOK) N31° 19.5′ E114° 25.8′ ▲ Tianhe VOR (WHA) N30° 46.9′ E114° 12.2′					Guangzhou ACC (Above 7 800m) Wuhan ACC (7 800m or below)
	203° 023° 64	1 473		↓ ↑	
W 89 ▲ Dongyangjiao NDB (PU) N41° 30.4′ E123° 17.5′ ▲ Wangbingou NDB (KY) N41° 42.3′ E123° 44.8′					Shenyang ACC
	068° 248° 44	1 048		↓ ↑	

国际航路 International air routes					
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1	2	3	4	5	6
W 90 ▲ NOLON N24° 06.5' E113° 56.8' ▲ TEPID N23° 32.1' E113° 23.1' ▲ Pingzhou VOR (POU) N23° 01.3' E113° 11.4'					Guangzhou ACC
	224° 044° 86	1 845		↓	
	201° 021° 60	1 181		↑	
W 91 ▲ BONSA N28° 14.4' E106° 56.8' ▲ APUKI N28° 09.6' E106° 42.2' ▲ MAVRA N27° 58.2' E106° 07.9' ▲ IDSID N27° 37.8' E105° 06.7'					Chengdu ACC
	251° 071° 26	2 419		↓	
	251° 071° 60	2 624		↑	
	251° 071° 107				
W 92 ▲ Taiyuan VOR (TYN) N37° 44.9' E112° 37.2' ▲ MAPMU N37° 02.7' E110° 38.3' ▲ Yan'an VOR (YAV) N36° 41.1' E109° 38.1'					Beijing ACC (Above 7 800m) Taiyuan ACC (7 800m or below)
	250° 070° 192	2 802		↓	
	250° 070° 98	2 021		↑	Xi'an ACC
W 93 ▲ Qingyang VOR (QIY) N35° 47.8' E107° 35.9' ▲ ESGIG N35° 37.9' E106° 26.2' ▲ Jingning VOR (JIG) N35° 31.9' E105° 43.4'					Xi'an ACC
	263° 083° 107	3 542		↓	
	263° 083° 66			↑	Lanzhou ACC

国际航路 International air routes					
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1	2	3	4	5	6
W 94					Xi'an ACC
▲ Changwu NDB (HO) N35° 12.6' E107° 46.1'	350° 170°	2 133		↓	
▲ ADNEN N35° 30.4' E107° 41.2'	34 350°			↑	
▲ Qingyang VOR (QIY) N35° 47.8' E107° 35.9'	170° 33				
W 95					Shanghai ACC
▲ Bantaji NDB (OF) N32° 40.4' E118° 34.7'	169° 349°	1 069		↓	
▲ *PUMEV N31° 59.4' E118° 48.5'	79 169°			↑	
▲ Moling VOR(MLJ) N31° 50.7' E118° 51.3'	349° 17				
▲ *Lukou VOR (NJL) N31° 45.3' E118° 53.2'	169° 349° 10				
*参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 *Refer STAR/SID of NANJING/Lukou airport.					
* W 99					Urumqi ACC
▲ Fukang VOR (FKG) N44° 10.4' E087° 59.0'	096° 276°	4 300		↓	
△ AGOXA N44° 04.5' E088° 50.7'	70 097°			↑	
▲ Qitai VOR (QTV) N43° 59.3' E089° 36.7'	277° 62				
▲ LATOG N43° 40.2' E090° 43.4'	110° 290° 96	3 995			
▲ Hami VOR (HMI) N42° 50.1' E093° 38.2'	110° 290° 254				
* W99 实施 RNAV2 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需按规定填写飞行计划报编组 10 和编组 18 内容; 不具备相应 PBN 相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器, 仍旧按照现行执行。 * RNAV2 is implemented on W99. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.					

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1	2	3	4	5	6	
W 105 ▲*Changbei VOR (NCH) N28° 53.1′ E115° 54.7′ ▲EMRAL N29° 06.0′ E115° 50.0′ ▲*PEXEK N29° 20.0′ E115° 45.1′ ▲LAPEN N29° 35.8′ E115° 38.2′ ▲TULMU N29° 47.5′ E115° 33.1′ ▲Xishui VOR (XSH) N30° 26.1′ E115° 16.0′					Shanghai ACC (Above 7 800m) Nanchang ACC (7 800m or below)	
	<div>346° 166° 25</div>	1525		↓		
	<div>346° 166° 27</div>					
	<div>343° 163° 31</div>	2 074				
	<div>343° 163° 23</div>					
	<div>343° 163° 77</div>	1 521			↑	Guangzhou ACC (Above 7 800m) Wuhan ACC (7 800m or below)
*参阅南昌/昌北机场标准仪表进场/标准仪表离场程序。 *Refer STAR/SID of NANCHANG/Changbei airport.						
W 106 ▲MAKNO N38° 27.8′ E121° 08.9′ ▲UDETI N38° 41.5′ E122° 09.6′					Dalian ACC	
	<div>081° 261° 91</div>	755		↓ ↑		
W 107 ▲Changhai VOR (CHI) N39° 16.0′ E122° 37.0′ ▲SANKO N38° 15.0′ E122° 27.2′					Dalian ACC	
	<div>195° 015° 114</div>	851		↓ ↑		

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1	2	3	4	5	6
W 108 ▲LATUX N35° 29.0′ E120° 47.0′ ▲BINOR N35° 00.0′ E121° 01.3′ ▲SOSMA N33° 43.1′ E121° 38.9′ ▲MATNU N31° 39.6′ E122° 38.0′ ▲DUMET N31° 21.7′ E122° 46.5′					Shanghai ACC
	164° 344°	600		↓	
	58				
	164° 344°				
	154				
	164° 344°				
	247			↑	
	164° 344°				
36					
W 109 ▲Nantong VOR (NTG) N32° 05.8′ E120° 58.7′ ▲PIKAS N32° 10.0′ E120° 44.0′					Shanghai ACC
	294° 114°	707		↓	
	24				
W 111 ▲Xining VOR (XNN) N36° 31.6′ E102° 01.8′ ▲UPVOP N36° 25.8′ E102° 51.4′ ▲XIXAN N36° 16.8′ E104° 07.5′					Lanzhou ACC
	100° 280°	4 584		↓	
	75				
	100° 280°				
	115			↑	
参阅西宁/曹家堡机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XINING/Caojiapu airport.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 112 ▲ Jiayuguan VOR(CHW) N39° 51.3′ E098° 21.0′ ▲ IKAGA N39° 43.2′ E097° 17.1′ ▲ AKTOB N39° 34.9′ E096° 16.0′ ▲ TUSLI N39° 05.0′ E092° 18.0′ * ▲ ADMUX N38° 52.6′ E090° 57.0′ ▲ NOLEP N38° 34.5′ E088° 42.5′ ▲ Qiemo VOR (QIM) N38° 09.1′ E085° 32.2′ ▲ Hotan VOR (HTN) N37° 02.2′ E079° 52.1′ * ▲ PURPA (中巴国境点) N36° 56.5′ E075° 24.5′					Lanzhou ACC

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 114 ▲ DUMET N31° 21.7′ E122° 46.5′ ▲ LASAN N31° 00.0′ E122° 25.5′					Shanghai ACC
	<div>225°</div> <div>045°</div> <div>52</div>	600		<div>↓</div> <div>↑</div>	
W 115 ▲ MATNU N31° 39.6′ E122° 38.0′ ▲ PINOT N31° 27.0′ E122° 27.0′					Shanghai ACC
	<div>222°</div> <div>042°</div> <div>29</div>	600		<div>↓</div> <div>↑</div>	
W 116 ▲ Nanxiang NDB (PK) N31° 17.0′ E121° 19.8′ ▲ Jiuting VOR (JTN) N31° 07.4′ E121° 20.5′					Shanghai ACC
	<div>182°</div> <div>002°</div> <div>18</div>	1 232		<div>↓</div> <div>↑</div>	
W 117 ▲ Dongshan VOR (DST) N27° 45.0′ E120° 37.8′ ▲ BEGMO N28° 00.0′ E121° 50.0′					Shanghai ACC
	<div>081°</div> <div>261°</div> <div>122</div>	1 348		<div>↓</div> <div>↑</div>	

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 121 ▲ Dongshan VOR (DST) N27° 45.0′ E120° 37.8′ ▲ NUDPO N26° 45.0′ E121° 04.3′					Shanghai ACC
	<div>163° 343° 119</div>	1 285		<div>↓ ↑</div>	
W 122 ▲ Fuzhou VOR (FOC) N25° 56.6′ E119° 39.8′ ▲ PONEN N25° 37.5′ E120° 24.0′					Shanghai ACC
	<div>119° 299° 82</div>	1 197		<div>↓ ↑</div>	
W 123 ▲ Xinglin VOR (XLN) N24° 33.9′ E118° 00.9′ ▲ ALADU N24° 19.3′ E118° 00.7′ ▲ APAKA N23° 51.8′ E118° 26.7′					Shanghai ACC
	<div>184° 004° 27</div>	1 509		<div>↓ ↑</div>	
	<div>142° 322° 67</div>	1 136			

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
W 125 ▲ Xuzhou VOR(XUZ) N34° 03.6′ E117° 33.0′ ▲ Yaoji NDB(DO) N34° 04.5′ E117° 48.7′ ▲ MEXUP N34° 00.6′ E118° 05.8′ ▲ OMUDI N33° 58.2′ E118° 16.0′					Shanghai ACC	
	091° 271° 24	828		↓		
	111° 291° 27	805				
	111° 291° 16			↑		
	参阅徐州/观音机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XUZHOU/Guanyin airport.					
W 126 ▲ Yaoji NDB(DO) N34° 04.5′ E117° 48.7′ ▲ Pixian VOR (DPX) N34° 16.7′ E117° 59.9′					Shanghai ACC	
	043° 223° 28	805		↓ ↑		
	参阅徐州/观音机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XUZHOU/Guanyin airport.					
W 127 ▲ Luogang VOR (HFE) N31° 46.5′ E117° 18.1′ ▲ SEGPI N32° 32.0′ E117° 16.0′ ▲ KAGVO N32° 42.8′ E117° 15.5′ ▲ ATVIM N33° 56.9′ E117° 12.3′ ▲ Xuzhou VOR (XUZ) N34° 03.6′ E117° 33.0′					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)	
	003° 183° 84	992		↓		
	003° 183° 20					
	003° 183° 137					
	074° 254° 34	962		↑		
	参阅徐州/观音机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XUZHOU/Guanyin airport.					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 128 ▲ KAMDA N33° 21.9′ E114° 12.2′ ▲ Fuyang VOR (FYG) N32° 53.0′ E115° 43.8′					Beijing ACC (Above 9 800m) Zhengzhou ACC (9 800m or below)
	<div>115° 295° 152</div>	700		<div>↓ ↑</div>	
W 129 ▲ Xinzheng VOR (CGO) N34° 31.1′ E113° 50.6′ ▲ KAMDA N33° 21.9′ E114° 12.2′ ▲ OBLIK N32° 19.8′ E114° 31.5′					Beijing ACC (Above 9 800m) Zhengzhou ACC (9 800m or below)
	<div>170° 350° 132</div>	849		<div>↓ ↑</div>	
	<div>170° 350° 119</div>				
W 130 ▲ LANDA N21° 36.8′ E113° 02.7′ ▲ Gaolan NDB (UJ) N21° 55.2′ E113° 17.6′					Guangzhou ACC
	<div>039° 219° 43</div>	1 018		<div>↓ ↑</div>	
W 131 ▲ GITUM N40° 44.7′ E116° 59.1′ ▲ ASAVA N40° 20.2′ E116° 19.6′ ▲ Qingbaikou NDB (CD) N40° 00.8′ E115° 48.3′					Beijing ACC
	<div>237° 057° 72</div>	2 522		<div>↓ ↑</div>	
	<div>237° 057° 57</div>				

国际航路 International air routes							
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit		
1	2	3	4	5	6		
W 132 ▲ Xingtang NDB (OC) N38° 27.3′ E114° 33.3′ ▲ NIPES N38° 32.7′ E115° 04.8′ △ IBUNO N38° 37.1′ E115° 30.3′ ▲ AVNIX N38° 43.0′ E116° 04.5′ ▲ IKENU N38° 45.5′ E116° 18.8′ ▲ NIRON N38° 51.2′ E116° 37.7′ ▲ Tianjin NDB (CG) N39° 04.8′ E117° 22.5′					Beijing ACC		
	083° 263° 47	807		↓			
	083° 263° 38						
	083° 263° 51						
	083° 263° 21						
	075° 255° 29	1 020					
	075° 255° 69	1 197					
W 133 ▲ AVNIX N38° 43.0′ E116° 04.5′ ▲ BOBAK N39° 07.6′ E116° 24.3′					Beijing ACC		
	038° 218° 54	613		↓ ↑			

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 134 ▲OKVUM N36° 28.4′ E110° 30.6′ ▲XIVEP N37° 37.9′ E112° 39.5′ ▲UBLAT N38° 03.0′ E113° 26.6′					Beijing ACC (Above 7 800m) Taiyuan ACC (7 800m or below)
	060° 240° 230	2 612		↓	
	060° 240° 83			↑	
W 135 ▲NUGLA N35° 46.8′ E109° 22.6′ ▲MAPMU N37° 02.7′ E110° 38.3′ ▲GODON N37° 46.5′ E112° 21.1′ ▲EKETA N37° 52.5′ E112° 35.4′ ▲EXUMI N38° 05.0′ E113° 04.9′					Xi'an ACC
	042° 222° 180	2 163		↓	
	066° 246° 172	2802			
	066° 246° 24				
	066° 246° 49				
W 136 ▲Xingtang NDB (OC) N38° 27.3′ E114° 33.3′ ▲PIGAN N38° 30.3′ E114° 00.1′ ▲TEDIB N38° 25.9′ E113° 50.4′ ▲EXUMI N38° 05.0′ E113° 04.9′					Beijing ACC
	282° 102° 49	1 851		↓	
	245° 065° 16	2 404			
	245° 065° 77				

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 137 ▲ TEDIB N38° 25.9′ E113° 50.4′ ▲ NONIT N38° 40.5′ E113° 55.6′					Beijing ACC (Above 7 800m) Taiyuan ACC (7 800m or below)
	<div>021° 201° 28</div>	2 881		<div>↓ ↑</div>	
W 138 ▲ Zhangjiajie VOR (DYG) N29° 06.4′ E110° 26.2′ ▲ Laoliangcang VOR (LLC) N28° 04.1′ E112° 12.5′					Guangzhou ACC (Above 7 800m) Changsha ACC (7 800m or below)
	<div>127° 307° 208</div>	2 150		<div>↓ ↑</div>	
参阅张家界/荷花机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of ZHANGJIAJIE/Hehua airport.					
W 139 ▲ Zhangjiajie VOR (DYG) N29° 06.4′ E110° 26.2′ ▲ IGPARG N29° 29.3′ E110° 10.1′ ▲ Enshi VOR (ENH) N30° 17.5′ E109° 36.1′					Guangzhou ACC (Above 7 800m) Changsha ACC (7 800m or below)
	<div>331° 151° 50</div>	2 117		↓ ↑	
	<div>331° 151° 105</div>	2 700			Guangzhou ACC (Above 7 800m) Wuhan ACC (7 800m or below)
参阅张家界/荷花机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of ZHANGJIAJIE/Hehua airport.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 140 ▲ Zhangjiajie VOR (DYG) N29° 06.4′ E110° 26.2′ ▲ Huayuan VOR (HUY) N28° 34.8′ E109° 27.0′					Guangzhou ACC (Above 7 800m) Changsha ACC (7 800m or below)
	241° 061° 112	2 118		↓ ↑	
参阅张家界/荷花机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of ZHANGJIAJIE/Hehua airport.					
W 141 ▲ Zhangjiajie VOR (DYG) N29° 06.4′ E110° 26.2′ ▲ KALMU N29° 20.5′ E111° 34.8′ ▲ Linli VOR (LIN) N29° 21.2′ E111° 38.9′					Guangzhou ACC (Above 7 800m) Changsha ACC (7 800m or below)
	080° 260° 114	2 150		↓ ↑	
	080° 260° 7				
参阅张家界/荷花机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of ZHANGJIAJIE/Hehua airport.					
W 142 ▲ Jinan VOR (YQG) N36° 50.0′ E117° 12.9′ ▲ DALIM N36° 25.1′ E117° 12.8′					Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	186° 006° 46	2 184		↓ ↑	
W 143 ▲ Liupanshui VOR(LPS) N26° 38.6′ E105° 01.8′ ▲ KIBES N25° 51.1′ E104° 00.8′ ▲ *Malong VOR (DJT) N25° 31.9′ E103° 36.3′ ▲ *ATOLO N24° 47.4′ E103° 02.0′					Kunming ACC
	050° 134	3 466			
	050° 54				
	036° 100	3 420		↑	
*参阅昆明/长水机场标准仪表离场程序。 *Refer SID of KUNMING/Changshui airport.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 144 ▲*Xishan VOR (SGM) N25° 04.9′ E102° 31.2′ ▲*DADOL N26° 30.1′ E103° 17.7′ ▲Zhaotong VOR (ZAT) N27° 19.4′ E103° 45.3′ ▲ENTOV N27° 44.8′ E103° 55.3′ ▲KAKMI N28° 41.1′ E104° 17.7′					Kunming ACC
	027°	4 950		↓	
	176				
	028°				
	102	3 798			
	021°				
	50				
	021°	110			
*参阅昆明/长水机场标准仪表离场程序。 *Refer SID of KUNMING/Changshui airport.					
W 145 ▲Zhaotong VOR (ZAT) N27° 19.4′ E103° 45.3′ ▲RELUT N27° 27.6′ E104° 21.9′ ▲IDSID N27° 37.8′ E105° 06.7′					Kunming ACC
	077°	3 798		↓	
	62				
	077°				
	76				
W 146 ▲Dali VOR (DAL) N25° 38.6′ E100° 19.4′ ▲ALALA N24° 58.3′ E100° 35.8′ ▲GULOT N24° 37.4′ E101° 33.9′ ▲IDPUG N24° 40.1′ E102° 34.1′ ▲Jinning VOR (XSJ) N24° 41.0′ E102° 48.0′					Kunming ACC
	161°	4 722		↓	
	341° 80				
	113°	3 477			
	293° 105				
	088°	3 420			
	268° 102				
	088°				
268° 24			↑		

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 147 ▲ ELASU N23° 59.2′ E101° 47.4′ ▲ IDPUG N24° 40.1′ E102° 34.1′					Kunming ACC
	047° ————	3 240		↓	
	109				
参阅昆明/长水机场标准仪表进场程序。 Refer STAR of KUNMING/Changshui airport.					
W 148 ▲ Luxi VOR (LXI) N24° 32.5′ E103° 44.6′ ▲ IGRID N24° 33.2′ E103° 11.1′ ▲ Jinning VOR (XSJ) N24° 41.0′ E102° 48.0′					Kunming ACC
	272° ———— 092° 56	3 201		↓	
	291° ———— 111° 41	3 420		↑	
W 149 ▲ Panlong VOR (XFA) N25° 24.1′ E102° 56.0′ ▲ DADOL N26° 30.1′ E103° 17.7′					Kunming ACC
	017° ————	4 950		↓	
	127				
参阅昆明/长水机场标准仪表离场程序。 Refer SID of KUNMING/Changshui airport.					
W 150 ▲ ATOLO N24° 47.4′ E103° 02.0′ ▲ Luxi VOR (LXI) N24° 32.5′ E103° 44.6′					Kunming ACC
	112° ————	3 420		↓	
	77				
参阅昆明/长水机场标准仪表离场程序。 Refer SID of KUNMING/Changshui airport.					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 151 ▲ Xinzheng VOR (CGO) N34° 31.1′ E113° 50.6′ ▲ GOLAK N34° 26.5′ E114° 07.5′ ▲ IDULA N34° 18.1′ E114° 42.9′					Beijing ACC (Above 9 800m) Zhengzhou ACC (9 800m or below)
	112°	713		↓	
	27				
	111°				
	56				
参阅郑州/新郑机场标准仪表离场程序。 Refer SID of ZHENGZHOU/Xinzheng airport.					
W 152 ▲ Kouling VOR (KLX) N34° 15.9′ E109° 14.9′ ▲ UGSUT N33° 45.4′ E109° 34.6′ ▲ PIKEM N33° 30.7′ E108° 51.6′ ▲ Ningshan VOR (NSH) N33° 19.1′ E108° 18.7′					Xi'an ACC
	155°	2 687		↓	
	335°				
	64	3 300		↑	
	251°				
	071°				
	72				
	251°				
	071°				
	55				
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.					
W 153 ▲ Yanzhuang NDB (ZS) N34° 13.3′ E108° 51.2′ ▲ PIKEM N33° 30.7′ E108° 51.6′					Xi'an ACC
	183°	3 615		↓	
	003°				
	79			↑	
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.					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 154 ▲ Changwu NDB (HO) N35° 12.6′ E107° 46.1′ ▲ XODAS N34° 54.8′ E108° 10.7′					Xi'an ACC
	<div>135°</div> <div>315°</div> <div>50</div>	2 074		<div>↓</div> <div>↑</div>	
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.					
W 155 ▲ VETIB N24° 09.6′ E116° 26.2′ ▲ DABER N24° 08.6′ E116° 51.7′ ▲ TEBON N24° 07.0′ E117° 32.0′					Guangzhou ACC
	<div>095°</div> <div>275°</div> <div>43</div>	2 159		↓	
	<div>095°</div> <div>275°</div> <div>68</div>	2 144		↑	
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.					
W 157 ▲ DALIM N36° 25.1′ E117° 12.8′ ▲ TUMLO N37° 13.0′ E116° 47.7′ ▲ BIVOR N38° 20.0′ E116° 22.0′ ▲ Dawangzhuang VOR (VYK) N39° 11.7′ E116° 34.3′					Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	<div>343°</div> <div>96</div> <div>349°</div>	2 124		↓	
	<div>130</div> <div>016°</div>	666			Beijing ACC
	<div>97</div>	627			

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 158 ▲ PANKI N37° 17.8′ E117° 00.0′ ▲ Zhangzhuang NDB (AR) N36° 43.4′ E116° 55.0′					Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	192°	1 427		↓	
	64				
W 159 ▲ Zangangzhen NDB (JB) N39° 02.6′ E116° 11.9′ ▲ IDKUP N38° 17.5′ E116° 37.5′					Beijing ACC
	162°	642		↓	
	91				
W 160 ▲ Jinan VOR (YQG) N36° 50.0′ E117° 12.9′ ▲ TUMLO N37° 13.0′ E116° 47.7′					Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	325°	1 427		↓	
	57				
* W 161 ▲ Wuxi VOR (VMB) N31° 44.6′ E120° 11.5′ ▲ SASAN N31° 35.4′ E120° 19.2′					Shanghai ACC
	149° 329°	1 025		↓ ↑	
	21				
* W161 实施 RNAV2 运行, 申请使用时, 已完成相关 PBN 适航和运行合格审定的航空器, 需严格按照规定填写飞行计划报编组 10 和编组 18 内容, 空管部门会在起飞前的协同决策阶段给予优先放行; 对不符合 PBN 适航和运行合格审定要求的航空器, 空管部门将配备适当间隔以确保区域飞行的安全和秩序。 * RNAV2 is implemented on W161. When applying to use, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required, and will be given a higher priority to fly; For aircraft do not meet, appropriate separation will be provided to ensure safety and efficiency of these area.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 162 ▲ Chenghai VOR (CEH) N26° 39.9′ E100° 43.2′ ▲ Dali VOR (DAL) N25° 38.6′ E100° 19.4′ ▲ UPGED N25° 08.3′ E100° 15.4′					Kunming ACC
	$\frac{200^{\circ}}{020^{\circ}}$ 120	4 722		↓	
	$\frac{188^{\circ}}{008^{\circ}}$ 57	4 522		↑	
W 163 ▲ Luogang VOR (HFE) N31° 46.5′ E117° 18.1′ ▲ SUNBO N31° 47.5′ E118° 05.3′ ▲ VEMEX N31° 47.7′ E118° 18.1′					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
	$\frac{093^{\circ}}{273^{\circ}}$ 74	1 080		↓	
	$\frac{093^{\circ}}{273^{\circ}}$ 20			↑	
					Shanghai ACC
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.					
W 164 ▲ LEGIV N31° 36.5′ E117° 34.5′ ▲ OREVO N31° 40.0′ E118° 10.5′					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
	$\frac{088^{\circ}}{268^{\circ}}$ 57	1 127		↓	
				↑	
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.					
W 165 ▲ Taohua VOR (THA) N31° 46.7′ E117° 07.4′ ▲ LEGIV N31° 36.5′ E117° 34.5′					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
	$\frac{118^{\circ}}{298^{\circ}}$ 47	1 127		↓	
				↑	
参阅合肥/新桥机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HEFEI/Xinqiao airport.					
* W 166 ▲ Benniu NDB (ZJ) N31° 56.5′ E119° 42.6′ ▲ DALNU N33° 48.8′ E118° 10.1′					Shanghai ACC
	$\frac{331^{\circ}}{151^{\circ}}$ 253	1 025		↓	
				↑	
*航线高度使用限制, 具体联系 ATC。 *En-route altitude limited, contact ATC for detail..					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 167 * ▲ Benniu NDB (ZJ) N31° 56.5′ E119° 42.6′ * ▲ SASAN N31° 35.4′ E120° 19.2′ ▲ Shuofang VOR(SUF) N31° 29.9′ E120° 25.9′					Shanghai ACC
	<div>129°</div> <div>309° 69</div>	928		↓	
	<div>139°</div> <div>319° 15</div>	941		↑	
*航线高度 3 900 米（含）以上。 *En-route altitude 3 900m or above.					
W 168 * ▲ Jiangbei VOR (CKG) N29° 44.8′ E106° 39.2′ ▲ Changshengqiao VOR (SHC) N29° 25.9′ E106° 43.7′ * ▲ XOLAL N29° 29.6′ E106° 52.9′ ▲ Fuling VOR (FLG) N29° 42.0′ E107° 22.7′					Chengdu ACC
	<div>170°</div> <div>350° 36</div>	1 954		↓	
	<div>067°</div> <div>247° 16</div>	1 550		↑	
	<div>067°</div> <div>247° 53</div>	1 882			
*参阅重庆/江北机场标准仪表进场/标准仪表离场程序。 *Refer STAR/SID of CHONGQING/Jiangbei airport.					
W 169 ▲ Nanning VOR (WUY) N22° 35.1′ E108° 08.9′ ▲ ISGEG N21° 13.0′ E108° 18.3′ ▲ VEXOT N20° 59.3′ E108° 16.0′ ▲ RUNEG N20° 30.0′ E108° 11.1′					Nanning ACC
	<div>175°</div> <div>355° 153</div>	1 990		↓	
	<div>190°</div> <div>010° 26</div>	600		↑	
	<div>190°</div> <div>010° 55</div>				

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
W 170 ▲ VEGDO N18° 11.5′ E109° 17.1′ ▲ ATALA N17° 40.3′ E109° 17.3′ ▲ SAVNO N17° 29.5′ E109° 17.4′				↓ ↑	Sanya ACC	
	<div>181° 001° 58</div>	1 078				
	<div>181° 001° 20</div>	600				
W 171 △ LENKO N17° 25.0′ E110° 18.0′ ▲ SAVNO N17° 29.5′ E109° 17.4′ ▲ SAGSU N17° 30.1′ E109° 09.8′				↓ ↑	Sanya ACC	
	<div>276° 096° 107</div>	600				
	<div>276° 096° 13</div>					
W 172 ▲ ABVER N35° 42.7′ E120° 33.4′ * ▲ URBAD N36° 07.0′ E120° 28.8′ ▲ VEPGI N36° 22.8′ E120° 29.7′ ▲ MUPIK N36° 31.2′ E120° 33.6′ ▲ Laiyang NDB(FD) N36° 55.8′ E120° 37.9′ * ▲ TEKAM N37° 35.2′ E120° 45.3′ ▲ IGDEG N38° 00.4′ E120° 48.3′				↓ ↑	Qingdao ACC	
	<div>358° 178° 46</div>	1 732				
	<div>009° 189° 29</div>					
	<div>027° 207° 17</div>					
	<div>014° 194° 46</div>	925				
	<div>015° 195° 74</div>	1410				
	<div>012° 192° 47</div>					
* URBAD 及 TEKAM 之间航线高度 9 500 米（含）以上。						
* Segments between TEKAM and URBAD, En-route altitude 9 500m or above.						

国 际 航 路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
W 173 ▲ MAKNO N38° 27.8′ E121° 08.9′ ▲ TANIB N38° 22.9′ E121° 05.2′ ▲ NIXEP N38° 15.0′ E120° 59.3′ ▲ IGDEG N38° 00.4′ E120° 48.3′ ▲ Huangcheng VOR(HCH) N37° 39.3′ E120° 32.6′					Dalian ACC	
	217° 037° 11	1 357		↓		
	217° 037° 17					
	217° 037° 31					
	217° 037° 45				↑	Qingdao ACC
W 174 ▲ Laiyang NDB(FD) N36° 55.8′ E120° 37.9′ ▲ XIVID N36° 34.5′ E120° 28.8′ ▲ Qingdao VOR (TAO) N36° 17.3′ E120° 22.2′ ▲ Xuejiadao VOR (XDX) N35° 58.7′ E120° 17.4′					Qingdao ACC	
	205° 025° 42	1 400		↓		
	205° 025° 34					
	198° 018° 35					
						↑
* W 175 ▲ Yuncheng VOR (YCE) N35° 07.1′ E111° 02.0′ ▲ Taiyuan VOR (TYN) N37° 44.9′ E112° 37.2′					Beijing ACC (Above 7 800m) Taiyuan ACC (7 800m or below)	
	030° 324	3 166		↓		
* 航线高度 8 100 米至 12 500 米。 * En-route altitude 8100m-12500m.						

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 176 ▲ Tianjin NDB (CG) N39° 04.8′ E117° 22.5′ * ▲ NOKAK N38° 25.0′ E118° 55.0′ * ▲ ANRAT N38° 39.5′ E119° 57.4′					Beijing ACC
	<div>126°</div> <div>306°</div> <div>153</div>	<div>1 197</div>		↓	
	<div>080°</div> <div>260°</div> <div>94</div>	600		↑	
	* NOKAK 至 ANRAT 段, 5400 米 (含) 以上经管制允许使用。 * Between NOKAK and ANRAT, above 5400m by ATC.				
W 177 ▲ Yancheng VOR (YCH) N33° 25.3′ E120° 12.3′ ▲ Huaian VOR (HUN) N33° 46.4′ E119° 06.6′ ▲ IDKOT N33° 51.3′ E118° 46.0′ ▲ OMUDI N33° 58.2′ E118° 16.0′					Shanghai ACC
	<div>297°</div> <div>117°</div> <div>108</div>	717		↓	
	<div>291°</div> <div>111°</div> <div>33</div>	689			
	<div>291°</div> <div>111°</div> <div>48</div>		↑		
W 178 ▲ LAGAL N33° 28.0′ E118° 42.3′ ▲ Bantaji NDB (OF) N32° 40.4′ E118° 34.7′					Shanghai ACC
	<div>193°</div> <div>013°</div> <div>89</div>	869		↓	
				↑	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 179 ▲ ELKAL N26° 05.8' E108° 23.8' ▲ MASRO N26° 38.0' E107° 08.6' ▲ SUMUN N26° 47.2' E106° 46.8' ▲ BIPIP N27° 12.0' E106° 22.5' ▲ IRVED N27° 43.9' E105° 51.3' ▲ Xuyong VOR (XYO) N28° 10.3' E105° 25.2'					Guiyang ACC
	298°	2 528		↓	
	138				
	298°	2 300			
	40				
	321°	2 204			
	61				Chengdu ACC
	321°	2 587			
	79				
	321°				
	65				

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 180					Chengdu ACC
▲ Heliushui NDB (DS) N30° 12.0' E106° 50.9'	182°	2 215		↓	
▲ Tongjingchang NDB (OS) N29° 51.1' E106° 50.8'	39				
	179°	1 610			
▲ XOLAL N29° 29.6' E106° 52.9'	40				
	179°				
▲ UNRIX N28° 46.0' E106° 55.0'	81	2 606			
	179°				
▲ BONSA N28° 14.4' E106° 56.8'	59				
	179°				
▲ UPKUS N28° 03.7' E106° 57.4'	20	2 413			
	179°				
▲ MEMAG N27° 28.5' E106° 59.2'	66	2 126			
	179°				
▲ IGLIT N26° 56.0' E107° 01.0'	60	2 100			Guiyang ACC
	179°				
▲ LIKRI N26° 49.1' E107° 01.3'	13				
	179°				
▲ XINSU N26° 35.9' E107° 02.0'	24	2 300			
	179°				
▲ KAGRA N26° 27.4' E107° 02.4'	16				
	179°				
▲ ELBAV N26° 17.6' E107° 02.8'	18				

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 181 * ▲ Guiyang VOR (KWE) N26° 31.4' E106° 47.7' ▲ ELBAV N26° 17.6' E107° 02.8' ▲ IDEPO N25° 42.9' E107° 40.7' ** ▲ Libo VOR (GLB) N25° 27.3' E107° 57.8' ▲ XOLON N24° 32.3' E108° 04.5' ** ▲ DUDIT N23° 49.3' E108° 09.7'					Guiyang ACC
	137°	2 300		↓	
	36				Nanning ACC
	137°	2 296			
	90				
	137°	2 184			
	40				
	176°				
W 182 ▲ AGTIS N27° 22.1' E106° 45.0' ▲ IGLIT N26° 56.0' E107° 01.0' ▲ UBDID N26° 46.9' E107° 36.8' ▲ UGUGU N26° 35.0' E108° 22.2' ▲ LAGEX N26° 25.8' E109° 01.6'	103	1 761			Guiyang ACC
	176°				
	80				Guiyang ACC
	153°	2 309		↓	
	333°				
	55				
	108°	2 155			
W 182 ▲ AGTIS N27° 22.1' E106° 45.0' ▲ IGLIT N26° 56.0' E107° 01.0' ▲ UBDID N26° 46.9' E107° 36.8' ▲ UGUGU N26° 35.0' E108° 22.2' ▲ LAGEX N26° 25.8' E109° 01.6'	288°				Guiyang ACC
	62				
	108°	2 600			Guiyang ACC
	288°				
	78				
	108°	2 595			
	288°				
	68			↑	

* 贵阳 VOR 至荔波 VOR 航段飞行高度 8 100 米（含）至 12 500 米。

* Segments between Guiyang VOR(KWE) and Libo VOR(GLB), en-route altitude 8 100m—12 500m.

** 荔波 VOR 至 DUDIT 航段飞行高度 8 900 米（含）至 12 500 米。

** Segments between Libo VOR(GLB) and DUDIT, en-route altitude 8 900m—12 500m.

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 183 ▲ UGUGU N26° 35.0' E108° 22.2' ▲ Tongren VOR (TRN) N27° 52.1' E109° 17.6' ▲ Huayuan VOR (HUY) N28° 34.8' E109° 27.0'					Guiyang ACC
	<div>035° 215° 170</div>	2 595		↓ 	

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 500 ▲ Lhasa VOR (LXA) N29° 17.8′ E090° 59.9′ ▲ Zedang NDB (DM) N29° 15.3′ E091° 45.9′ ▲ OPUNO N29° 30.3′ E092° 11.6′ ▲ TAPUN N30° 00.2′ E093° 04.5′					Lhasa ACC
	094° 274° 75	6 124		↓ ↑	
	057° 237° 50	6 886			
	057° 237° 101				
W 501 ▲ KEVAR N22° 37.5′ E113° 48.6′ ▲ IDUMA N22° 53.8′ E113° 57.1′					Guangzhou ACC
	028° 208° 33	1 397		↓ ↑	
参阅深圳/宝安机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENZHEN/Baoan airport.					
W 503 ▲ Liangxiang NDB (JR) N39° 43.2′ E116° 05.7′ ▲ RENOB N39° 45.3′ E115° 26.8′					Beijing ACC
	280° 56	2 651		↓	
W 504 ▲ VENON N31° 04.2′ E104° 42.2′ ▲ Nanchong VOR (GAO) N30° 48.6′ E106° 11.3′					Chengdu ACC
	103° 283° 145	1 646		↓ ↑	

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 505 ▲ Dangshan VOR (DSH) N30° 08.9′ E120° 30.1′ ▲ SUPAR N30° 01.4′ E120° 51.5′					Shanghai ACC
	117° 297° 37	1 172		↓ ↑	
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W 506 ▲ Hangzhou VOR (HGH) N30° 14.4′ E120° 27.7′ ▲ OKTUG N30° 05.3′ E120° 57.6′					Shanghai ACC
	114° 294° 51	1 172		↓ ↑	
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W 507 ▲ Dangshan VOR (DSH) N30° 08.9′ E120° 30.1′ ▲ MOLGU N29° 51.0′ E119° 58.0′ ▲ UGAGO N29° 37. 7′ E119° 39. 1′					Shanghai ACC
	242° 062° 61	1 846		↓ ↑	
	235° 055° 39				
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W 508 ▲ Wenyan NDB (WY) N30° 07.3′ E120° 12.1′ ▲ DUBGO N29° 51.3′ E119° 39.9′ ▲ Tonglu VOR (TOL) N29° 46.0′ E119° 39.6′					Shanghai ACC
	245° 065° 60	1 846		↓ ↑	
	187° 007° 10				
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 509 ▲ Nanlang VOR (NLG) N22° 31.9′ E113° 33.7′ ▲ KEVAR N22° 37.5′ E113° 48.6′ ▲ Guanlan VOR (GLN) N22° 42.5′ E114° 02.0′					Guangzhou ACC
	070° 250° 27	1 187		↓	
	070° 250° 25	1 543		↑	
	参阅深圳/宝安机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENZHEN/Baoan airport.				
W 511 ▲ Shenyang VOR (SEY) N41° 38.5′ E123° 28.7′ ▲ Dongyangjiao NDB (PU) N41° 30.4′ E123° 17.5′ ▲ Dahushan VOR (DHN) N41° 38.7′ E122° 06.9′					Shenyang ACC
	235° 055° 21	1 048	10	↓	
	287° 107° 99	818		↑	
	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.				
W 512 ▲ Shenyang VOR (SEY) N41° 38.5′ E123° 28.7′ ▲ Wangbingou NDB (KY) N41° 42.3′ E123° 44.8′ ▲ BIDIB N41° 24.4′ E124° 09.8′					Shenyang ACC
	080° 260° 23	1 048	10	↓	
	142° 322° 48	1 632		↑	
	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.				

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 513 ▲ Shenyang VOR (SEY) N41° 38.5' E123° 28.7' ▲ Wangbingou NDB (KY) N41° 42.3' E123° 44.8' ▲ EKVOK N41° 49.4' E124° 06.6' ▲ NUBKI N41° 58.8' E124° 35.9'	 080° 260° 23 075° 255° 33 075° 255° 44	 1 048 1 553	 10	 ↓ ↑	 Shenyang ACC
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.					
W 514 ▲ NUGLA N35° 46.8' E109° 22.6' ▲ Mizi VOR (MIZ) N34° 49.2' E108° 59.7' ▲ Sanyuan NDB (OD) N34° 35.9' E108° 54.9'	 202° 022° 112 199° 019° 26	 2 332		 ↓ ↑	 Xi'an ACC
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.					
W 517 ▲ Tianhe NDB (HG) N30° 55.5' E114° 21.0' ▲ Hekou VOR (HOK) N31° 19.5' E114° 25.8'	 013° 193° 45	 1 473	 8	 ↓ ↑	 Wuhan ACC
参阅武汉/天河机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of WUHAN/Tianhe airport.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 518 ▲ Tianhe NDB (HG) N30° 55.5′ E114° 21.0′ ▲ Xishui VOR (XSH) N30° 26.1′ E115° 16.0′					Wuhan ACC
	<div>126° 306° 103</div>	1 200	8	<div>↓ ↑</div>	
参阅武汉/天河机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of WUHAN/Tianhe airport.					
W 519 ▲ Hebaohu NDB (DA) N30° 41.9′ E113° 58.3′ ▲ Longkou VOR (LKO) N29° 54.4′ E113° 41.5′					Wuhan ACC
	<div>201° 021° 92</div>	954	8	<div>↓ ↑</div>	
参阅武汉/天河机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of WUHAN/Tianhe airport.					
W 520 ▲ Hebaohu NDB (DA) N30° 41.9′ E113° 58.3′ ▲ Tianmen VOR (WTM) N30° 38.3′ E113° 08.6′					Wuhan ACC
	<div>269° 089° 80</div>	954	8	<div>↓ ↑</div>	
参阅武汉/天河机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of WUHAN/Tianhe airport.					
W 521 ▲ Luchong NDB (SV) N28° 13.0′ E113° 20.9′ ▲ Liling VOR (LIG) N27° 38.9′ E113° 31.0′					Changsha ACC
	<div>168° 348° 65</div>	1 411	10	<div>↓ ↑</div>	
参阅长沙/黄花机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHANGSHA/Huanghua airport.					

国际航路 International air routes									
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit				
1	2	3	4	5	6				
W 522					Changsha ACC				
▲ Datuopunanjintai NDB (Z) N28° 02.8′ E112° 57.7′						275° 095° 73	1 517		↓ ↑
▲ Laoliangcang VOR (LLC) N28° 04.1′ E112° 12.5′									
参阅长沙/黄花机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHANGSHA/Huanghua airport.									
W 523					Guilin ACC				
▲ Qifengling NDB (Y) N25° 10.3′ E110° 19.1′						143° 323° 72	2 301	10	↓ ↑
▲ Ertang NDB (QP) N24° 40.2′ E110° 46.6′									
参阅桂林/两江机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of GUILIN/Liangjiang airport.									
W 524					Guilin ACC				
▲ Qifengling NDB (Y) N25° 10.3′ E110° 19.1′						317° 137° 37	2 301	10	↓ ↑
▲ Wutong NDB (PA) N25° 24.3′ E110° 03.6′						314° 134° 61	2 404		
▲ Sanjiang VOR (SJG) N25° 46.6′ E109° 36.6′									
参阅桂林/两江机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of GUILIN/Liangjiang airport.									
W 525					Shanghai ACC				
▲ Huaian VOR (HUN) N33° 46.4′ E119° 06.6′						233° 053° 51	643		↓ ↑
▲ LAGAL N33° 28.0′ E118° 42.3′									
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.									

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 527					Chengdu ACC
▲ Shuangliu VOR (CTU) N30° 34.4′ E103° 56.6′	068°	1 659	8	↓	
▲ OMGUS N30° 38.6′ E104° 07.8′	20 046°				
▲ Jintang VOR (JTG) N30° 52.3′ E104° 23.4′	36				
参阅成都/双流机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHENGDU/Shuangliu airport.					
W 528					Chengdu ACC
▲ LOM 02L of Chengdu (ZW) N30° 30.0′ E103° 54.5′		1 659	8	↑	
▲ Baihesi VOR (BHS) N30° 30.7′ E104° 12.0′					
▲ Wufengxi VOR (WFX) N30° 36.4′ E104° 29.5′	251° 30				
参阅成都/双流机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHENGDU/Shuangliu airport.					
W 529					Chengdu ACC
▲ Baihesi VOR (BHS) N30° 30.7′ E104° 12.0′	136°	1 659	8	↓	
▲ Ziyang VOR (ZYG) N30° 07.1′ E104° 40.6′	63				
参阅成都/双流机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHENGDU/Shuangliu airport.					
W 530					Chengdu ACC
▲ Fujiachang VOR (FJC) N29° 55.7′ E104° 18.2′	336°	1 598	8	↓	
▲ ONIKI N30° 19.1′ E104° 05.2′	48 321°				
▲ LOM 02L of Chengdu (ZW) N30° 30.0′ E103° 54.5′	26				
参阅成都/双流机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHENGDU/Shuangliu airport.					

国 际 航 路 International air routes									
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit				
1	2	3	4	5	6				
W 531	Chengdu ACC				Chengdu ACC				
▲ LOM 02L of Chengdu (ZW) N30° 30.0' E103° 54.5'						309° 129° 27	1 372	8	↓ ↑
▲ Chongzhou VOR (CZH) N30° 38.7' E103° 41.2'									
参阅成都/双流机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHENGDU/Shuangliu airport.									
W 535	Kunming ACC				Kunming ACC				
▲ Lijiang VOR (LJA) N26° 46.4' E100° 16.4'						106° 286° 46	4 553		↓ ↑
▲ Chenghai VOR (CEH) N26° 39.9' E100° 43.2'									
参阅丽江/三义机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of LIJIANG/Sanyi airport.									
W 536	Shanghai ACC				Shanghai ACC				
▲ PUGIM N29° 05.0' E119° 37.0'						060° 240° 49	1 910		↓ ↑
▲ Yiwu VOR (YEU) N29° 20.3' E120° 01.9'						074° 254° 81	1 795		
▲ Shengzhou VOR (SHZ) N29° 36.0' E120° 49.0'									
参阅义乌/义乌机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YIWU/Yiwu airport.									
W 537	Shanghai ACC				Shanghai ACC				
▲ Yiwu VOR (YEU) N29° 20.3' E120° 01.9'						316° 136° 49	1 846		↓ ↑
▲ UGAGO N29° 37.7' E119° 39.1'									
参阅义乌/义乌机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YIWU/Yiwu airport.									

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 538 ▲Manzhouli VOR (MZL) N49° 19.7' E117° 38.7' △KAGAK N49° 16.0' E118° 06.0'					Hailar ACC
	<div>111° 291° 34</div>	1 609		<div>↓ ↑</div>	
参阅满洲里/西郊机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of MANZHOU LI/Xijiao airport.					
W 539 ▲Manzhouli VOR (MZL) N49° 19.7' E117° 38.7' △MANLI N49° 35.0' E117° 27.0'					Hailar ACC
	<div>342° 162° 32</div>	1 609		<div>↓ ↑</div>	
参阅满洲里/西郊机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of MANZHOU LI/Xijiao airport.					
W 540 ▲Longzaocun VOR (LCZ) N34° 27.1' E108° 47.6' ▲DOVOP N34° 45.4' E108° 42.5' ▲LOVRA N35° 50.8' E109° 08.4' ▲Yan'an VOR (YAV) N36° 41.1' E109° 38.1'					Xi'an ACC
	<div>350° 170° 35</div>	2 214		<div>↓ </div>	

国 际 航 路 International air routes								
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit			
1	2	3	4	5	6			
W 541	<div></div>				Xi'an ACC			
▲ DOVOP N34° 45.4' E108° 42.5'						<div>315° 135° 99</div>	2 454	<div>↓</div>
▲ TEBIB N35° 21.1' E107° 53.9'						<div>315° 135° 26</div>		
▲ ADNEN N35° 30.4' E107° 41.2'								
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.								
W 543	<div></div>				Shanghai ACC			
▲ Bantaji NDB (OF) N32° 40.4' E118° 34.7'						<div>198° 018° 20</div>	1 049	<div>↓</div>
▲ AKSIG N32° 30.0' E118° 32.0'						<div>174° 354° 78</div>		
△ XOGAX N31° 48.7' E118° 41.2'						<div>174° 354° 16</div>		
▲ Xiaodanyang NDB (ID) N31° 40.0' E118° 43.0'								<div>↑</div>
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.								
W 545	<div></div>				Shanghai ACC			
▲ ESBAG N31° 37.2' E119° 40.4'						<div>293° 113° 81</div>	1 058	<div>↓</div>
▲ Moling VOR(MLJ) N31° 50.7' E118° 51.3'						<div>268° 088° 53</div>		
▲ VEMEX N31° 47.7' E118° 18.1'								
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.								

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 546	<div><div>095° 275° 51</div><div>092° 272° 24</div><div>124° 304° 28</div></div>				Shanghai ACC
▲OREVO N31° 40.0′ E118° 10.5′					
▲Xiaodanyang NDB (ID) N31° 40.0′ E118° 43.0′					
▲Shiqiu VOR(SNQ) N31° 40.8′ E118° 58.1′					
▲GOSRO N31° 33.4′ E119° 13.3′					
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.					
W 547	<div><div>248° 068° 64</div></div>				Shanghai ACC (Above 7 800m) Xiamen ACC (7 800m or below)
▲Jinjiang VOR (JNJ) N24° 48.1′ E118° 35.8′					
▲Xinglin VOR (XLN) N24° 33.9′ E118° 00.9′					
参阅泉州/晋江机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of QUANZHOU/Jinjiang airport.					
W 548	<div><div>007° 187° 32</div></div>				Shanghai ACC (Above 7 800m) Xiamen ACC (7 800m or below)
▲Jinjiang VOR (JNJ) N24° 48.1′ E118° 35.8′					
▲ATSAB N25° 05.6′ E118° 37.1′					
参阅泉州/晋江机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of QUANZHOU/Jinjiang airport.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 549 ▲ Tongjingchang NDB (OS) N29° 51.1′ E106° 50.8′ ▲ ALDEL N30° 08.3′ E107° 11.5′ ▲ BONBO N29° 47.2′ E107° 42.6′					Chengdu ACC
	048°	1 700		↓	
	46				
	131°	2 513			
参阅重庆/江北机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHONGQING/Jiangbei airport.					
W 550 ▲ ALDEL N30° 08.3′ E107° 11.5′ ▲ SULEP N30° 32.6′ E107° 00.4′ ▲ EKELA N30° 44.3′ E106° 24.7′ ▲ Nanchong VOR (GAO) N30° 48.6′ E106° 11.3′					Chengdu ACC
	341°	1 790		↓	
	161°				
	48				
	293°				
	113°				
61					
293°			↑		
113°					
23					
参阅重庆/江北机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHONGQING/Jiangbei airport.					
W 551 ▲ BONBO N29° 47.2′ E107° 42.6′ ▲ Tongjingchang NDB (OS) N29° 51.1′ E106° 50.8′					Chengdu ACC
	277°	2 600		↓	
	097°			↑	
参阅重庆/江北机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHONGQING/Jiangbei airport.					

国 际 航 路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 552 ▲ BIGRO N21° 34.2′ E111° 49.6′ ▲ Gaolan NDB(UJ) N21° 55.2′ E113° 17.6′ ▲ ROMEO N21° 51.8′ E113° 26.9′					Guangzhou ACC
	<u>077°</u>	1 468		↓	
	156	1 081			
	<u>114°</u>				
	17				
参阅深圳/宝安和澳门机场标准仪表进场程序。 Refer STAR of SHENZHEN/Baoan and MACAO/Macao airport.					
W 553 ▲ Gaolan NDB(UJ) N21° 55.2′ E113° 17.6′ ▲ Lianshengwei VOR (ZUH) N22° 13.3′ E113° 28.0′					Guangzhou ACC
	<u>030°</u>	1 181		↓	
	38				
参阅深圳/宝安机场标准仪表进场程序。 Refer STAR of SHENZHEN/Baoan airport.					

国际航路 International air routes						
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit	
1	2	3	4	5	6	
W 554					Shanghai ACC	
▲ *Hangzhou VOR (HGH) N30° 14.4′ E120° 27.7′	306° 126° 22	1 061		↓		
▲ ADBAS N30° 20.6′ E120° 16.0′	328° 148° 19	1 345				
▲ KAKIS N30° 29.0′ E120° 08.8′	328° 148° 38					
▲ NIVIK N30° 45.7′ E119° 54.7′	328° 148° 62					
▲ TAPEN N31° 12.4′ E119° 31.6′	328° 148° 48					
▲ GOSRO N31° 33.4′ E119° 13.3′	328° 148° 12	1 049				
▲ *LUPVI N31° 38.7′ E119° 08.6′	323° 143° 5					
▲ OBLAP N31° 40.8′ E119° 06.5′	323° 143° 21					
▲ DOGVI N31° 49.2′ E118° 57.8′	323° 143° 24			↑		
▲ Dajiaochang NDB (A) N31° 59.1′ E118° 47.6′						
*参阅杭州/萧山, 南京/禄口机场标准仪表进场/标准仪表离场程序。 *Refer STAR/SID of HANGZHOU/Xiaoshan and NANJING/Lukou airport.						
W 555						Shanghai ACC
▲ Jianqiao NDB (CJ) N30° 18.3′ E120° 10.0′	360° 180° 20	1 118		↓		
▲ KAKIS N30° 29.0′ E120° 08.8′				↑		
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.						

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 557 ▲ EGEBI N36° 47.6′ E112° 56.2′ ▲ *EMVUG N37° 02.2′ E112° 43.9′ ▲ *MULUR N37° 24.9′ E112° 24.7′					Beijing ACC (Above 7 800m) Taiyuan ACC (7 800m or below)
	<div>331° 151° 33</div>	2 623		↓	
	<div>331° 151° 51</div>			↑	
*参阅太原/武宿机场标准仪表进场/标准仪表离场程序。 *Refer STAR/SID of TAIYUAN/Wusu airport.					
W 558 ▲ Liangcheng NDB (SZ) N40° 31.1′ E112° 29.7′ ▲ NIXUR N41° 02.0′ E112° 14.2′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)
	<div>344° 164° 61</div>	2 905		↓	
				↑	
参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HOHHOT/Baita airport.					
W 559 ▲ TODAM N39° 29.5′ E112° 12.1′ ▲ EGANA N40° 31.7′ E112° 10.0′ ▲ Hohhot VOR (HET) N40° 43.5′ E111° 54.0′					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)
	<div>004° 184° 115</div>	2 905		↓	
	<div>319° 139° 32</div>			↑	
参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HOHHOT/Baita airport.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 560					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)
▲ TODAM N39° 29.5′ E112° 12.1′	<u>350°</u> 170° 120	2 905		↓	
▲ IRVAG N40° 32.1′ E111° 51.0′	<u>016°</u> 196° 22	2 816		↑	
▲ Hohhot VOR (HET) N40° 43.5′ E111° 54.0′					
参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HOHHOT/Baita airport.					
W 561					Beijing ACC (Above 7 800m) Hohhot ACC (7 800m or below)
▲ PADSA N40° 56.8′ E111° 53.9′	<u>045°</u> 225° 130	2 816		↓	
▲ BUTPO N41° 50.2′ E112° 54.3′	<u>093°</u> 273° 21	2 378		↑	
▲ Tumurtai VOR (TMR) N41° 50.6′ E113° 09.2′					
参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HOHHOT/Baita airport.					
W 562					Beijing ACC
▲ SAKOD N38° 40.4′ E115° 09.8′	<u>212°</u> 032° 16	673		↓	
▲ NIPES N38° 32.7′ E115° 04.8′	<u>212°</u> 032° 37			↑	
▲ Wuji NDB (FL) N38° 14.9′ E114° 53.3′					
参阅石家庄/正定机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHIJIAZHUANG/Zhengding airport.					
W 563					Guangzhou ACC
▲ Niuling VOR (JCS) N23° 35.9′ E116° 24.7′	<u>005°</u> 185° 63	2 159		↓	
▲ VETIB N24° 09.6′ E116° 26.2′				↑	
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.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 564 ▲ Lanzhou VOR (ZGC) N36° 30.9′ E103° 37.5′ ▲ Jingtai VOR (JTA) N37° 11.8′ E104° 04.8′					Lanzhou ACC
	030° 210° 86	3 915	20	↓ ↑	
参阅兰州/中川机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of LANZHOU/Zhongchuan airport.					
W 565 ▲ Lanzhou VOR (ZGC) N36° 30.9′ E103° 37.5′ ▲ XIXAN N36° 16.8′ E104° 07.5′					Lanzhou ACC
	122° 302° 52	3 094	14	↓ ↑	
参阅兰州/中川机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of LANZHOU/Zhongchuan airport.					
W 567 ▲ Jinan VOR (YQG) N36° 50.0′ E117° 12.9′ ▲ OLRED N37° 07.1′ E116° 49.2′					Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	318° 138° 47	900		↓ ↑	
参阅济南/遥墙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JINAN/Yaoqiang airport.					
W 568 ▲ Jinan VOR (YQG) N36° 50.0′ E117° 12.9′ ▲ Dangjiazhuang NDB (DP) N36° 46.4′ E117° 22.2′ ▲ ABTUB N36° 00.0′ E117° 22.1′					Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	121° 301° 15	1 426		↓	
	185° 005° 86	2 124		↑	
参阅济南/遥墙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JINAN/Yaoqiang airport.					

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航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 569 ▲ Jinan VOR (YQG) N36° 50.0' E117° 12.9' ▲ NOBUP N37° 21.3' E117° 25.0'					Beijing ACC (Above 7 800m) Jinan ACC (7 800m or below)
	<div>023° 203° 61</div>	900		<div>↓ ↑</div>	
参阅济南/遥墙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JINAN/Yaoqiang airport.					
W 570 ▲ PEDNU N32° 11.3' E116° 43.7' ▲ Cha'an VOR (HFC) N32° 04.8' E116° 46.1' ▲ UXALO N31° 41.1' E117° 00.5' ▲ KIKEG N31° 36.9' E117° 03.1'					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
	<div>168° 348° 12</div>	654		↓	
	<div>157° 337° 50</div>	1 197			
	<div>157° 337° 9</div>			↑	
参阅合肥/新桥机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HEFEI/Xinqiao airport.					
W 571 ▲ SEGPI N32° 32.0' E117° 16.0' △ AKAMI N32° 15.0' E116° 57.2' ▲ NOKUL N32° 09.8' E116° 51.4' ▲ Cha'an VOR (HFC) N32° 04.8' E116° 46.1'					Shanghai ACC (Above 7 800m) Hefei ACC (7 800m or below)
	<div>228° 048° 43</div>	943		↓	
	<div>228° 048° 13</div>				
	<div>228° 048° 12</div>			↑	
参阅合肥/新桥机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HEFEI/Xinqiao airport.					

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 573 ▲ VENOS N38° 54.2′ E122° 19.6′ ▲ Dalian VOR(DBL) N38° 57.7′ E121° 34.2′					Dalian ACC
	<div>283° 103° 66</div>	1 263		<div>↓ ↑</div>	
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.					
W 574 △ DOBGA N38° 24.8′ E121° 27.5′ ▲ OGIPO N38° 51.1′ E121° 49.5′					Dalian ACC
	<div>040° 58</div>	860		<div>↓</div>	
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.					
W 575 ▲ ANRAT N38° 39.5′ E119° 57.4′ ▲ LOTGO N38° 32.0′ E120° 09.5′ ▲ XONIG N38° 31.0′ E120° 16.0′ ▲ INTIV N38° 28.5′ E120° 31.2′ ▲ TANIB N38° 22.9′ E121° 05.2′ ▲ LEGIP N38° 33.5′ E121° 30.7′					Dalian ACC
	<div>135° 22</div>	600		↓	
	<div>109° 10</div>	802			
	<div>109° 22</div>				
	<div>109° 50</div>				
	<div>069° 42</div>	755			
	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.				

国际航路 International air routes					
航路代号、重要点名称、坐标 Route designator Name of significant points Coordinates	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)	巡航高度层 方向 Direction of cruising levels	备注、管制单位 Remarks, Controlling unit
1	2	3	4	5	6
W 576 ▲ EKULI N38° 32.6′ E121° 13.0′ ▲ BUBLO N38° 38.9′ E120° 35.2′ ▲ ORAVA N38° 42.6′ E120° 12.4′ ▲ ANRAT N38° 39.5′ E119° 57.4′					Dalian ACC
	<u>289°</u>	1 065		↓	
	56				
	<u>289°</u>				
	34	600			
	<u>262°</u>				
22					
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.					
W 577 ▲ Dalian VOR(DBL) N38° 57.7′ E121° 34.2′ ▲ POVAG N38° 16.7′ E122° 15.1′					Dalian ACC
	<u>149°</u>	1 004		↓	
	96				
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.					
W 578 ▲ Dalian VOR(DBL) N38° 57.7′ E121° 34.2′ ▲ EKULI N38° 32.6′ E121° 13.0′ ▲ KARPI N38° 15.0′ E120° 43.0′					Dalian ACC
	<u>221°</u>	1 065		↓	
	56				
	<u>240°</u>				
	54				
	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.				

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1	2	3	4	5	6		
W 579					Dalian ACC		
▲ SANKO N38° 15.0′ E122° 27.2′	<u>356°</u>	600		↓			
▲ RUPID N38° 24.5′ E122° 24.7′	18						
	<u>333°</u>						
▲ UDETI N38° 41.5′ E122° 09.6′	38	1 263					
	<u>309°</u>						
▲ OGIPO N38° 51.1′ E121° 49.5′	34						
	<u>307°</u>						
▲ Dalian VOR(DBL) N38° 57.7′ E121° 34.2′	25						
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.							
W 580					Shanghai ACC		
▲ Shiqiu VOR(SNQ) N31° 40.8′ E118° 58.1′	<u>148°</u>	1 470		↓			
△ SAPIN N31° 33.9′ E119° 04.0′	16						
	<u>148°</u>						
▲ TESIG N31° 11.8′ E119° 23.3′	51						
	<u>148°</u>						
▲ Jianqiao NDB (CJ) N30° 18.3′ E120° 10.0′	124						
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.							
W 581					Shanghai ACC		
▲ Shiqiu VOR(SNQ) N31° 40.8′ E118° 58.1′	<u>101°</u>	1 058		↓			
	281°						
▲ ESBAG N31° 37.2′ E119° 40.4′	67						
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.							

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1	2	3	4	5	6
W 582 ▲ Benniu NDB (ZJ) N31° 56.5′ E119° 42.6′ ▲ XUTGU N32° 27.8′ E119° 34.5′					Shanghai ACC
	<div>353°</div> <div>173° 60</div>	900		<div>↓</div> <div>↑</div>	
参阅常州/奔牛机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHANGZHOU/Benniu airport.					
W 583 ▲ Shuofang VOR(SUF) N31° 29.9′ E120° 25.9′ ▲ Jiuting VOR (JTN) N31° 07.4′ E121° 20.5′					Shanghai ACC
	<div>121°</div> <div>301° 96</div>	1 232		<div>↓</div> <div>↑</div>	
参阅无锡/硕放机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of WUXI/Shuofang airport.					
W 584 ▲ Huangping VOR(KHP) N26° 58.4′ E107° 59.5′ ▲ LIKRI N26° 49.1′ E107° 01.3′ ▲ Guiyang VOR(KWE) N26° 31.4′ E106° 47.7′					Guiyang ACC
	<div>262°</div> <div>98</div>	2 155		↓	
	<div>217°</div> <div>40</div>	2 300			
参阅贵阳/龙洞堡机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of GUIYANG/Longdongbao airport.					
W 585 ▲ Guiyang VOR(KWE) N26° 31.4′ E106° 47.7′ ▲ UGUGU N26° 35.0′ E108° 22.2′					Guiyang ACC
	<div>090°</div> <div>157</div>	2 600		↓	
参阅贵阳/龙洞堡机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of GUIYANG/Longdongbao airport.					
W 586 ▲ Tongren VOR(TRN) N27° 52.1′ E109° 17.6′ ▲ Huangping VOR(KHP) N26° 58.4′ E107° 59.5′					Guiyang ACC
	<div>235°</div> <div>163</div>	2 149		↓	

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1	2	3	4	5	6
W 587 ▲ Penglai VOR(YCS) N37° 40.7′ E121° 00.0′ ▲ IGDEG N38° 00.4′ E120° 48.3′					Qingdao ACC
	<div>342°</div> <div>162° 40</div>	1 099		<div>↓</div> <div>↑</div>	
参阅烟台/蓬莱机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANTAI/Penglai airport.					
W 588 ▲ Penglai VOR(YCS) N37° 40.7′ E121° 00.0′ ▲ GUMED N38° 01.0′ E120° 34.3′					Qingdao ACC
	<div>323°</div> <div>143° 53</div>	1 099		<div>↓</div> <div>↑</div>	
参阅烟台/蓬莱机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANTAI/Penglai airport.					
W 589 ▲ Penglai VOR(YCS) N37° 40.7′ E121° 00.0′ ▲ Huangcheng VOR(HCH) N37° 39.3′ E120° 32.6′					Qingdao ACC
	<div>274°</div> <div>094° 40</div>	1 427		<div>↓</div> <div>↑</div>	
参阅烟台/蓬莱机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANTAI/Penglai airport.					
W 590 ▲ Penglai VOR(YCS) N37° 40.7′ E121° 00.0′ ▲ Tunli NDB (FZ) N37° 27.1′ E121° 10.7′					Qingdao ACC
	<div>156°</div> <div>336° 30</div>	1 253		<div>↓</div> <div>↑</div>	
参阅烟台/蓬莱机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANTAI/Penglai airport.					

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1	2	3	4	5	6
W 591 ▲ Nantong VOR(NTG) N32° 05.8′ E120° 58.7′ ▲ XIREM N31° 44.7′ E120° 57.5′					Shanghai ACC
	<div>188° 008° 39</div>	707		<div>↓ ↑</div>	
参阅南通/兴东机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANTONG/Xingdong airport.					
W 592 ▲ Yangzhou VOR(SJD) N32° 32.7′ E119° 43.6′ △ NIXEM N32° 56.5′ E119° 09.6′					Shanghai ACC
	<div>315° 135° 69</div>	627		<div>↓ ↑</div>	
参阅扬州/泰州机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANGZHOU/Taizhou airport.					
W 593 ▲ Yangzhou VOR(SJD) N32° 32.7′ E119° 43.6′ ▲ PIMOL N32° 14.8′ E119° 45.7′					Shanghai ACC
	<div>180° 360° 33</div>	858		<div>↓ ↑</div>	
参阅扬州/泰州机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANGZHOU/Taizhou airport.					