ENR 3.3 区域导航航路 AREA NAVIGATION ROUTES

ENR 3.3.1 区域导航航路 Area navigation routes

Coordinates in italics is WGS-84 coordinates.

航路代号、重要点名称、类型、识别 Route designator/Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(磁) 距离(千米) Track(MAG) DIST(km)	最低飞行高度(米) MNM flight altitude(m)	航路宽度(千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
L642					
✧ EPKAL			N17° 51.5′ E112° 57.3′		
RNP10	218° /--- 64NM	2 100FT	93	↓	Sanya ACC(Above 4 270m)
✧ EGEMU			N17° 00.0′ E112° 17.0′		
RNP10	217° /--- 121NM	2 100FT	93	↓	Sanya ACC(Above 4 270m)
✧ EXOTO			N15° 21.5′ E111° 03.0′		
相关规定见 ENR3.3.2.1、 ENR3.3.2.2、 ENR3.3.2.3。 Relevant rules see ENR3.3.2.1, ENR3.3.2.2, ENR3.3.2.3.					
L888					
✧ BIDRU			N22° 43.1′ E100° 57.9′		
RNP4	346° /166° 161	4 722	56	↓ ↑	Kunming ACC
✧ MAKUL			N24° 07.3′ E100° 33.4′		
RNP4	346° /166° 49	3 853	56	↓ ↑	Kunming ACC
✧ URGAV			N24° 33.0′ E100° 25.8′		
RNP4	346° /166° 57	3 815	56	↓ ↑	Kunming ACC
⟡ DONEN			N25° 02.7′ E100° 17.0′		
RNP4	346° /166° 11	4 722	56	↓ ↑	Kunming ACC
✧ UPGED			N25° 08.3′ E100° 15.4′		
RNP4	346° /166° 99	4 722	56	↓ ↑	Kunming ACC
✧ NIVUX			N26° 00.0′ E100° 00.0′		
RNP4	001° /181° 216	6 196	56	↓ ↑	Kunming ACC
✧ LEVBA			N27° 56.9′ E100° 00.0′		
RNP4	001° /181° 259	6 171	56	↓ ↑	Chengdu ACC
✧ BIGOR			N30° 16.8′ E100° 00.0′		
RNP4	001° /181° 72	5 742	56	↓ ↑	Chengdu ACC

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✧ PEXUN			N30° 55.7′ E100° 00.0′		
RNP4	001° /181° 119	6 592	56	↓ ↑	Chengdu ACC
✧ SANLI			N32° 00.0′ E100° 00.0′		
RNP4	306° /126° 115	6 592	56	↓ ↑	SANLI: Chengdu ACC LUVAR: Lanzhou ACC
⟡ LUVAR			N32° 36.1′ E099° 00.0′		
RNP4	307° /127° 286	6 778	56	↓ ↑	Lanzhou ACC
⟡ MUMAN			N34° 06.5′ E096° 30.0′		
RNP4	306° /126° 257	6 778	56	↓ ↑	Lanzhou ACC
✧ TEMOL			N35° 27.1′ E094° 12.2′		
RNP4	306° /126° 105	6 778	56	↓ ↑	Lanzhou ACC
⟡ LEBAK			N36° 00.0′ E093° 15.5′		
RNP4	305° /125° 336	6 778	56	↓ ↑	Lanzhou ACC
✧ TONAX			N37° 45.5′ E090° 11.3′		
RNP4	304° /124° 158	6 662	56	↓ ↑	TONAX: Lanzhou ACC NOLEP: Urumqi ACC
✧ NOLEP			N38° 34.5′ E088° 42.5′		
RNP4	304° /124° 286	6 662	56	↓ ↑	Urumqi ACC
✧ SADAN			N40° 04.6′ E086° 00.0′		
RNP4	301° /121° 319	2 792	56	↓ ↑	Urumqi ACC
✧ 龟兹 Qiuci VOR/DME(XKC)			N41° 40.6′ E082° 50.6′		
航路高度 9 200 米(含)以上; En-route altitude 9 200m or above. 实施数据链运行，详情参见 ENR3.3.2.4。 Data link service implemented, refer to ENR3.3.2.4 for details.					
M503					
✧ LELIM			N22° 56.4′ E117° 18.7′		
RNAV2	052° /232° 9	651		↓ ↑	Guangzhou ACC
✧ LAPUG			N22° 59.7′ E117° 22.8′		

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导航规范 Navigation specification	航迹(磁) 距离(千米) Track(MAG) DIST(km)	最低飞行高度(米) MNM flight altitude(m)	航路宽度(千米) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit Remarks
RNAV2	052° /232° 16	651		↓ ↑	Guangzhou ACC
✧ TOLAK			N23° 05.5′ E117° 30.0′		
RNAV2	052° /232° 129	651		↓ ↑	Shanghai ACC(Above 7 800m) Xiamen ACC(7 800m or below)
✧ APAKA			N23° 51.8′ E118° 26.7′		
RNAV2	052° /232° 193	600		↓ ↑	Shanghai ACC(Above 7 800m) Xiamen ACC(7 800m or below)
✧ OBKEL			N25° 00.0′ E119° 53.0′		
RNAV2	041° /221° 87	600		↓ ↑	Shanghai ACC(Above 7 800m) Xiamen ACC(7 800m or below)
✧ PONEN			N25° 37.5′ E120° 24.0′		
RNAV2	033° /213° 142	600		↓ ↑	PONEN: Shanghai ACC(Above 7 800m) Xiamen ACC(7 800m or below) NUDPO: Shanghai ACC
✧ NUDPO			N26° 45.0′ E121° 04.3′		
RNAV2	033° /213° 105	600		↓ ↑	Shanghai ACC
✧ OKATO			N27° 35.1′ E121° 34.6′		
RNAV2	033° /213° 53	600		↓ ↑	Shanghai ACC
✧ BEGMO			N28° 00.0′ E121° 50.0′		
航线高度 8 400 米至 12 500 米。 En-route altitude 8 400m—12 500m.					
M771					
			N14° 34.0′ E111° 55.5′		
RNP10	036° /--- 10NM	2 100FT	93	↓	Ho Chi Minh ACC
✧ DONDA			N14° 42.2′ E112° 01.3′		
RNP10	036° /--- 169NM	2 100FT	93	↓	Sanya ACC(Above 4 270m)
✧ DOSUT			N17° 02.0′ E113° 40.8′		
相关规定见 ENR3.3.2.1、 ENR3.3.2.2、 ENR3.3.2.3。 Relevant rules see ENR3.3.2.1, ENR3.3.2.2, ENR3.3.2.3.					
N892					
✧ MIGUG			N15° 16.4′ E114° 00.0′		
RNP10	217° /--- 57NM		110	↓	Sanya ACC(Above 4 270m)

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✧ MONBO			N14° 30.0′ E113° 25.7′		
相关规定见 ENR3.3.2.1、 ENR3.3.2.2、 ENR3.3.2.3。 Relevant rules see ENR3.3.2.1, ENR3.3.2.2, ENR3.3.2.3. 三亚飞行情报区内 N892 航路上的空中交通服务委托胡志明 ACC 负责提供，该航段上的空中交通情况应通知三亚 ACC。在航空器偏离飞行计划航迹并可能侵犯三亚 ACC 管制的空域的情况下，胡志明或马尼拉 ACC，如可行，必须协调取得进入该空域的许可。如果飞行员在未获许可时要求偏离，必须采用国际民航组织附件和地区补充程序 （Doc7030）里的国际民航组织空域规则。 The responsibility of Air Traffic Services on the portion of ATS route N892 in Sanya FIR is delegated to Ho Chi Minh ACC and air traffic shall be notified to Sanya ACC. In the case of an aircraft which deviates off flight plan track and is likely to infringe the airspace under the control of Sanya ACC, Ho Chi Minh or Manila ACC, as appropriate, shall coordinate a clearance for entry into that airspace. If the pilot is required to deviate without clearance, the ICAO rules of the air provisions incorporated in the ICAO Annexes and Regional Supplementary Procedures (Doc 7030) shall apply. 在 N892 航路上飞行的所有航空器 , 如因天气等原因向航路北侧偏航时 , 需事先征得三亚 ACC 同意 , 并与三亚 ACC 保持无线电联系。 All aircraft operating on route N892, in case of weather and etc., deviate to the north of this route, shall be subject to obtain prior approval of Sanya ACC and maintain communication with Sanya ACC.					
Y1					
✧ SADAN			N40° 04.6′ E086° 00.0′		
RNP4	109° /289° 432	5 390	56	↓ ↑	Urumqi ACC
✧ MAGOD			N38° 41.0′ E090° 42.1′		
RNP4	109° /289° 167	5 390	56	↓ ↑	Lanzhou ACC
✧ DUMIN			N38° 10.0′ E092° 30.0′		
RNP4	116° /296° 294	4 157	56	↓ ↑	Lanzhou ACC
✧ LUSMA			N37° 00.0′ E095° 30.0′		
RNP4	117° /297° 56	4 487	56	↓ ↑	Lanzhou ACC
✧ IRTOL			N36° 46.7′ E096° 03.6′		
RNP4	117° /297° 53	4 487	56	↓ ↑	Lanzhou ACC
✧ AKAGI			N36° 34.0′ E096° 35.5′		
RNP4	117° /297° 104	4 487	56	↓ ↑	Lanzhou ACC
✧ MEPEP			N36° 09.1′ E097° 38.0′		
RNP4	118° /298° 681	5 920	56	↓ ↑	Lanzhou ACC
✧ OMBON			N33° 21.4′ E104° 16.3′		
航路高度 9 200 米 (含) 以上; En-route altitude 9 200m or above. 实施数据链运行，详情参见 ENR3.3.2.4。 Data link service implemented, refer to ENR3.3.2.4 for details.					
Y2					

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⟡ LUVAR			N32° 36.1′ E099° 00.0′		
RNP4	343° /163° 414	6 086	56	↓ ↑	Lanzhou ACC
✧ MEPEP			N36° 09.1′ E097° 38.0′		
航路高度 9 200 米 (含) 以上; En-route altitude 9 200m or above. 实施数据链运行，详情参见 ENR3.3.2.4。 Data link service implemented, refer to ENR3.3.2.4 for details.					