

ENR 3. ATS ROUTES

ENR 3.1 ATS ROUTES

Route Designator (RNP type) Name of Significant Points Coordinates	Tracks (Mag) Distance	Upper limit Lower limit MFA Airspace classification	Lateral Limits (NM)	Direction of cruising levels		Remarks/ Controlling Unit & Frequency
				Odd	Even	
B345						
▲ NONIM 275000 N 0872600 E	<u>202°/022°</u> 34 NM	FL 460 FL 240 FL 250 Class C	10 NM	↑	↓	For Kathmandu/Lhasa/ Kathmandu bi-directional International ATS Route Kathmandu ACC Primary Freq. 126.5 MHZ, Sec- ondary Freq. 124.7 MHZ *1. Incoming A/C to Kathmandu may descend to 13,500' af- ter crossing 40DME from 'KTM' *2. Outbound A/C from Kathmandu must reach FL170 at or be- fore 40DME from 'KTM'
▲ TUMLI 271859 E 0871143 E	<u>282°/102°</u> 51 NM	FL 460 FL 160 FL 170* Class C				
▲ KIMTI 272948 N 0861604 E	<u>282°/102°</u> 50 NM					
▲ KATHMANDU VOR (KTM) 274025 N 0852055 E	<u>270°/090°</u> 49 NM					
▲ NARAN 274046 E 0842547 E	<u>259°/079°</u> 54 NM	FL 460 9500 ft 10500 ft Class C				
▲ BHAIRAHAWA VOR (BWA) 273012 N 0832558E	<u>251°/071°</u> 14 NM					
▲ LUMSI 272539 N 0831103 E	<u>252°/072°</u> 130 NM					
▲ LUCKNOW VOR (LLK) 264535 N 0805207 E						
G 598						
▲ LUCKNOW VOR (LLK) 264535 N 0805207 E	<u>084°/264°</u> 204 NM			↓		For International flights, INBOUND ONLY Terminates over SMR: SIMARA-KATHMANDU Follow G-336 Kath- mandu ACC Primary Freq: 126.5 MHZ, Secondary Freq. 124.7 MHZ
▲ PARSА 270822 N 0843954 E	<u>085°/265°</u> 17 NM					
▲ SIMARA VOR (SMR) 270951 N 0845856 E		FL 460 9500 ft 10500 ft Class C				

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G 336						
▲ PATNA VOR (PPT) 253455 N 0850519 E	<u>357°/177°</u> 79 NM	FL 460 10500' 11500' Class C	20 NM			For International Flights INBOUND ONLY (Except Kathmandu- Varanasi) Kathmandu ACC Primary Freq. 126.5 MHZ, Secondary Freq. 124.7MHZ
▲ BIPOB 265355 N 0850030 E	<u>355°/175°</u> 16NM					
▲ SIMARA VOR (SMR) 270951 N 0845856 E	<u>033°/213°</u> 36 NM					
▲ KATHMANDU VOR (KTM) 274025N 0852055 E						
G 335						
▲ KATHMANDU VOR (KTM) 274025 N 0852055 E	<u>103°/283°</u> 6 NM	FL 460 11000' 12000' Class C	10 NM			For international flight, OUT- BOUND ONLY. Kathmandu ACC Primary Freq. Freq: 126.5 MHZ, Secondary Freq. 124.7MHZ
▲ LOCATOR NALINCHOWK (LNC) 273901 N 0852754 E	<u>157°/337°</u> 46 NM					
▲ LALBA 265650 N 0854823 E	<u>156°/336°</u> 15 NM					
▲ SEETA 264244 N 0855518 E	<u>214°/034°</u> 5 NM					
▲ LALEK 263810 N 0855151 E	<u>215°/035°</u> 74 NM					
▲ PATNA VOR (PPT) 253455 N 0850519 E						

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G 463						
▲ MONDA 252100 N 0862600 E	<u>324°/144°</u> 72 NM	F 460 10500' 11500' Class C	10 NM			INBOUND ONLY Terminates over SIMARA For Simara-Kath- mandu Follow G-336 Kathmandu ACC Primary Freq.- 126.5 MHZ Secondary Freq. 124.7 MHZ
▲ IPLAS 261900 N 0853900 E	<u>325°/145°</u> 31 NM					
▲ GOVKO 264446 N 0851852 E	<u>326°/146°</u> 22 NM					
▲ ROMEO 270312 N 0850408 E	<u>326°/146°</u> 8 NM					
▲ SIMARA VOR (SMR) 270951 N 0845856 E						
G 590						
▲ VARANASI VOR (BBN) 252712 N 0825151 E	<u>048°/228°</u> 33 NM	F 460 10500' 11500' Class C	10 NM			FOR BOTHWAY Terminates over SMR. SMR-KTM Follow G 336 Kathmandu ACC Primary Freq. 126.5 MHZ, Secondary Freq. 124.7 MHZ
▲ RISPA 254900 N 0831900 E	<u>048°/228°</u> 106 NM					
▲ OMUPA 270001 N 0844716 E	<u>047°/227°</u> 14 NM					
▲ SIMARA VOR (SMR) 270951 N 0845856 E						

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				Odd	Even	
R 325						
▲ KATHMANDU VOR 'KTM' 274025 N 0852055 E	<u>103°/283°</u> 6 NM	FL 460 11000' 12000' Class C	10 NM	↓		For International Flights OUTBOUND ONLY Kathmandu ACC Primary Freq. 126.5 MHZ, Secondary Freq. 124.7MHZ
▲ LOCATOR NALINCHOWK (LNC) 273901 N 0852754 E	<u>157°/337°</u> 46 NM					
▲ LALBA 265650 N 0854823 E	<u>156°/336°</u> 15 NM					
▲ SEETA 264244 N 0855518 E	<u>152°/332°</u> 4 NM					
▲ KABEM 263912 N 0855724 E	<u>154°/334°</u> 96 NM					
▲ SALOR 251300 N 0864400 E						
R344						
▲ KATHMANDU VOR (KTM) 274025 N 0852055 E	<u>125°/305°</u> 50 NM	FL 460 10500' 11500' Class C	10 NM	↓		For International Flights OUTBOUND ONLY For INBOUND, prior permission required for International Flights. Kathmandu ACC Primary Freq. 126.5 MHZ, Sec- ondary Freq. 124.7MHZ
▲ AHALE 271148 N 0860705 E	<u>125°/305°</u> 35 NM					
▲ CHURE 265148 N 0863907 E	<u>125°/ 305°</u> 40 NM	FL 460 9500' 10500' Class C				
▲ BIRATNAGAR VOR (BRT) 262858 N 0871458E	<u>164°/344°</u> 8 NM					
▲ BIRAT 262110 N 0871815 E	<u>164°/344°</u> 49 NM					
▲ KATI HAR NDB (KH) 253400 N 0873330 E						

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G348						
▲ KATHMANDU VOR (KTM) 274025 N 0852055 E	$\frac{102^\circ}{282^\circ}$ 50 NM	FL 460 FL160 FL170* Class C	10 NM	↓	↑	Kathmandu ACC Pri- mary Freq. 126.5 MHZ , Secondary Freq. 124.7 MHZ *1. Incoming A/C to Kathmandu may descend to 13,500' after crossing 40DME from 'KTM' *2. Outbound A/C from Kathmandu must reach FL170 at or before 40DME from 'KTM'
▲ KIMTI 272948 N 0861604 E	$\frac{102^\circ}{282^\circ}$ 51 NM					
▲ TUMLI 271859 E 0871143 E	$\frac{122^\circ}{302^\circ}$ 62 NM					
▲ METOM 264605 N 0881055 E	$\frac{122^\circ}{302^\circ}$ 9 NM					
▲ BAGDORA VOR (BBD) 264118 N 0881936 E						
R581						
▲ CALCUTTA VOR (CEA) 224403 N 0882749 E	$\frac{328^\circ}{148^\circ}$ 110 NM				↓	INBOUND ONLY terminates over SIMARA
▲ DUMKA 241100 N 0872100 E	$\frac{325^\circ}{145^\circ}$ 86 NM					
▲ MONDA 252100 N 0862600 E	$\frac{324^\circ}{144^\circ}$ 72 NM					
▲ IPLAS 261900 N 0853900 E	$\frac{325^\circ}{145^\circ}$ 31 NM					
▲ GOVKO 264446 N 0851852 E	$\frac{326^\circ}{146^\circ}$ 22 NM	FL 460 10500' 11500' Class C	20 NM		↓	FOR SIMARA- KATHMANDU. Fol- low G-336 KATH ACC Primary Freq: 126.5 MHZ, Secondary Freq. 124.7 MHZ
▲ ROMEO 270312 N 0850408 E	$\frac{326^\circ}{146^\circ}$ 8 NM					
▲ SIMARA VOR (SMR) 270951 N 0845856 E						

ENR 4.4 NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS

Name Code Designator	Coordinates	ATS route or other route	Name Code Designator	Coordinates	ATS route or other route
1	2	3	1	2	3
AHALE	271148 N * 0860705 E	R 344	CHURE	265148 N * 0863907 E	R 344
HARRE	274330 N 0830000 E	W 19	METOM	264605 N 0881055 E	G348
JULET	274920 N 0834030 E	W 17	NONIM	275000 N 0872600 E	B345
PUTAN	280840 N 0830000 E	W 41	MANKA	280028 N* 0842907 E	W 41
ROMEO	270312 N * 0850408 E	G 336	IGRIS	273632 N* 0853719 E	HP
THARA	275720 N 0830000 E	W 17	DARKE	274441 N* 0850618 E	HP
BARBI	275039 N * 0855243 E	Mountain Flight Route	GURAS	272436 N* 0851346 E	HP
RATAN	271806 N * 0851049 E	G336	LALBA	265650 N* 0854823 E	G 335, R325
KIMTI	272948 N * 0861604 E	G348/ B345	NARAN	274046 N * 0842547 E	B 345/ L626 W17
PALPA	275653 N* 0833216 E	L626	SUKET	283516 N* 0813806 E	L626
MAHEN	285748 N* 0800853 E	L626	ONISA	285808 N* 0800533 E	L626
TUMLI	271859 N* 0871143 E	B345/G348	LUMSI	272539 N* 0831103 E	B345
PARSA	270822 N* 0843954 E	G598	BIPOB	265355 N* 0850030 E	G336
SEETA	264244 N* 0855518 E	G335/R325	LALEK	263811 N* 0855151 E	G335
GOVKO	264446 N* 0851852 E	G463	OMUPA	270001 N* 0844716 E	G590
KABEM	263912 N* 0855724 E	R325	BIRAT	262110 N* 0871815 E	R344
TULSI	280642 N* 0821730 E	W17/W19/W41	LIKHU	271952 N* 0861212 E	R114/D50 KTM