ENR 3 ATS ROUTES

ENR 3.1 ATS ROUTES

Route Designator, Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits / Lower Limits Minimum flight Altitude, Airspace Classification	Lateral Limits NM	Direction of Cruising Levels (Odd / Even)	Remarks, Controlling Unit, Frequency
1	2	3	4	5	6
A465					**COLOMBO FIR**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E					Controlling Authority: Colombo ACC FREQ: 124.9MHz
	007⁰ 187⁰ 50NM	FL460 2500FT ALT **A	20	↓	AWY
→ ▲ **ANSUL** 080019N 0795632E	006⁰ 186⁰ 119NM	FL460 10000FT ALT **A		↑	** below FL245 -Class **'C'**
▲ **SAGOR** 100000N 0800454E					**CHENNAI FIR**
G325					**COLOMBO FIR TMA**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E					** below FL245-Class **'C'**
	347⁰ 167⁰ 50NM	FL460 2000FT ALT **A		↓	Controlling Authority: Colombo ACC
→ ▲ **KADBU** 075725N 0793908E	342⁰ 162⁰ 50NM	FL460 10000FT ALT **A		↑	Frequency : 124.9MHz
▲ **IDIBI** 084418N 0792154E					**CHENNAI FIR**
G454					**COLOMBO FIR TMA**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E					** below FL245 - Class **'C'**
	222⁰ 042⁰ 63NM	FL460 2000FT ALT **A		↓	Controlling Authority : Colombo ACC
→ ▲ **NIVAG** 062143N 0791132E	219⁰ 039⁰ 40NM	FL460 10000FT ALT **A		↑	Frequency : 124.9MHz
▲ **SAPTA** 054954N 0784744E	219⁰ 039⁰ 80NM				**INT T310**
▲ **PADLA** 044606N 0780000E					**MALE FIR**
G465					**COLOMBO FIR TMA**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E					**AWY** Controlling Authority: Colombo ACC Frequency:124.9MHz
	247⁰ 067⁰ 54NM	FL460 2000FT ALT **A		↓	
→ ▲ **SUPSA** 064701N 0790308E	245⁰ 065⁰ 104NM	FL460 10000FT ALT **A		↑	** below FL245- class **'C'**
▲ **SEBLO** 060000N 0773000E					**MALE FIR**

ENR 3.1 ATS ROUTES

Route Designator Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits Lower Limits Minimum Flight Altitude, Airspace Classification	Lateral Limits NM	Direction of Cruising levels (Odd / Even)	Remarks, Controlling Unit, Frequency
1	2	3	4	5	6
L645(*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR TMA**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E					
→ ▲ **POMAL** 071330N 0810000E	089⁰/269⁰ 68NM	FL460/FL260 **A**	50NM	↓	Controlling Authority: Colombo ACC Frequency : 124.9 MHz
→ ▲ **BIDAN** 071639N 0820105E	089⁰/269⁰ 61NM				**INT Q110**
▲ **IDUDO** 072631N 0851829E	089⁰/269⁰ 196NM				**INT M300 / Y510**
▲ **ANSAS** 073306N 0863348E	086⁰/266⁰ 75NM				**INT L896**
▲ **SULTO** 073836N 0880154E	087⁰/267⁰ 88NM			↑	
					CHENNAI FIR
L774 (*)					**JAKARTA FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **KETIV** 004200S 0920000E					**INT N628 / L897**
	239⁰/059⁰ 145NM	FL460/FL240 ***A		↓ ↑	**COLOMBO FIR** ***Below FL245-Class **"D"** Controlling Authority: Colombo ACC Frequency : 124.9 MHz
▲ **ELATI** 020000S 0895742E					**INT N640**
					MELBOURNE FIR
L894 (*)					**MELBOURNE FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **DADAR** 020000S 0792706E					**INT N640**
	319⁰/139⁰ 126NM	FL460/FL200 ***A		↓ ↑	**COLOMBO FIR** *** Below FL245-Class **'D'** Controlling Authority: Colombo ACC Frequency : 124.9 MHz
▲ **SUNAN** 002836S 0780000E					**MALE FIR**

ENR 3.1 ATS ROUTES

Route Designator, Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits / Lower Limits / Minimum Flight Altitude, Airspace Classification	Lateral Limits NM	Direction of Cruising levels (Odd / Even)	Remarks, Controlling Unit, Frequency
1	2	3	4	5	6
L896(*)					**CHENNAI FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **DUGOS** 085306N 0844753E					**INT P762**
	128°/308° 132NM				**COLOMBO FIR**
▲ **ANSAS** 073306N 0863348E					**INT L645**
	129°/309° 109NM	FL460/FL280 **A**	50NM		
▲ **RULKA** 062600N 0880000E					**INT M300**
	131°/311° 188NM				
▲ **SULEN** 042436N 0902354E					**INT P570**
	131°/311° 126NM				Controlling Authority: Colombo ACC Frequency : 124.9MHz
▲ **NISOK** 030254N 0920000E					**INT P756**
					JAKARTA FIR
L897(*)					**COLOMBO FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**TMA**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E					Controlling Authority: Colombo ACC Frequency : 124.9MHz
	126°/306° 42NM	FL460/10500FT ALT ****A**	50NM		****Below FL245-Class ' C'**
→ ▲ **KIMOP** 064610N 0802656E					
	126°/306° 50NM	FL460/10500FT ALT ****A**			
▲ **MATTALA DVOR/DME(MTL)** 061814N 0810839E					
	127°/307° 50NM	FL460/3000FT ALT ****A**			
→ ▲ **DOPLA** 054942N 0814954E					
	124°/304° 108NM	FL460/FL260 ****A**			
▲ **IBADA** 045210N 0832210E					
	125°/305° 158NM	FL460/FL280 **A**			
▲ **LAKIP** 032630N 0853455E					**INT P756**
	125°/305° 221NM				
▲ **MATLU** 012656N 0884025E					**INT P627**
	125°/305° 238NM				
▲ **KETIV** 004200S 0920000E					**INT N628 / L774**
					JAKARTA FIR

ENR 3.1 ATS ROUTES

Route Designator, Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits / Lower Limits / Minimum Flight Altitude, Airspace Classification	Lateral Limits NM	Direction of Cruising levels (Odd / Even)	Remarks, Controlling Unit, Frequency
1	2	3	4	5	6
M300(*)					**JAKARTA FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **TOPIN** 050900N 0920000E	290^0 110^0 251NM	FL460 FL280 **A**		↓	**COLOMBO FIR** 50/50 RHSM applied with DCPC. (Ref ENR 1.1, para 16.2.1)
▲ **RULKA** 062600N 0880000E	293^0 113^0 172NM				**INT L896**
▲ **IDUDO** 072631N 0851829E	290^0 110^0 152NM				**INT L645 / Y510**
▲ **ESPAP** 081342N 0825218E	291^0 111^0 202NM			↑	**INT P762 / Q110** Controlling Authority: Colombo ACC Frequency : 124.9MHz
▲ **ATETA** 091906N 0793855E					**CHENNAI FIR**
M512					**COLOMBO FIR** **TMA** ** Below FL245-Class **"C"** Controlling Authority: Colombo ACC Frequency : 124.9 MHz
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E	233^0 053^0 60NM	FL460 2000FT ALT ****A**		↓	
→ ▲ **OBMAS** 063225N 0790505E	233^0 053^0 83NM	FL460 10000FT ALT ****A**		↑	
▲ **TELIG** 054054N 0780000E					**INT T310** **MALE FIR**
M513(*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR** **AWY** ** Below FL245-Class **"C"** Controlling Authority: Colombo ACC Frequency : 124.9 MHz
▲ **MATTALA DVOR/DME(MTL)** 061814N 0810839E	240^0 060^0 50NM	FL460 6500 ALT ****A**		↓	
→ ▲ **MAMOG** 055142N 0802627E	240^0 060^0 173NM	FL460 11000 ALT ****A**		↑	
▲ **MANRU** 041931N 0780000E					**MALE FIR**

ENR 3.1 ATS ROUTES

Route Designator Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits Lower Limits Minimum Flight Altitude, Airspace Classification	Lateral Limits NM	Direction of Cruising levels (Odd / Even)	Remarks, Controlling Unit, Frequency
1	2	3	4	5	6
M641(*)					**CHENNAI FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **BIKOK** 081706N 0783555E					**COLOMBO FIR (TMA BDRY)**
→ ▲ **MELIN** 074243N 0791432E	134⁰ / 314⁰ 51NM	FL460 10000FT ALT ** A		↓	**(BIKOK-KAT) SECTOR One way east bound diversionary route for R461.**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E	134⁰ / 314⁰ 50NM	FL460 2000FT ALT ** A			Controlling Authority: Colombo ACC Frequency : 124.9 MHz
→ ▲ **UBKAT** 062431N 0803525E	138⁰ / 318⁰ 62NM	FL460 6500FT ALT ** A		↓	** Below FL245-Class **"C"**
▲ **TANUG** 060301N 0805207E	144⁰ / 324⁰ 27NM	FL460 10000FT ALT ** A			***Below FL245-Class "**D**"
▲ **RUXER** 033514N 0830107E	141⁰ / 321⁰ 196NM	FL460 / FL210 ** A			**INT P756 /Q210**
▲ **BAXAM** 010303N 0850806E	142⁰ / 322⁰ 198NM	FL460 / FL210 *** A			**ATS / MET**
▲ **KALOX** 001839S 0862217E	140⁰ / 320⁰ 110NM				**INT P627**
▲ **DOGAR** 020000S 0875100E	141⁰ / 321⁰ 134NM			↑	**ATS / MET**
					MELBOURNE FIR

ENR 3.1 ATS ROUTES

Route Designator Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits Lower Limits Minimum Flight Altitude, Airspace Classification	Lateral Limits NM	Direction of Cruising levels (Odd / Even)	Remarks, Controlling Unit, Frequency
1	2	3	4	5	6
M766(*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR TMA**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E					
	$\frac{118^0}{298^0}$ 57NM	FL460 10500FT ALT ****A**		↓	Controlling Authority Colombo ACC Freq : 124.9 MHz
→ ▲ **ELGAS** 064431N 0804319E					
	$\frac{119^0}{299^0}$ 54NM	FL460 10500FT ALT 11000FT ALT ****A**			** Below FL245-Class **"C"**
▲ **ALGET** 062001N 0813207E					
	$\frac{117^0}{297^0}$ 28NM	FL460 10500FT ALT 11000FT ALT ****A**			
→ ▲ **PEBSA** 060756N 0815739E					**INT Z610**
	$\frac{117^0}{297^0}$ 135NM	FL460 FL200 **** A**			
▲ **GODAV** 051002N 0840006E					
	$\frac{118^0}{298^0}$ 250NM				
Δ **OBDAL** 031850N 0874447 E					**INT P756**
	$\frac{120^0}{300^0}$ 49NM	FL460 FL200			
▲ **UDIVO** 025602N 0882804E					***Below FL245-Class **"D"**
	$\frac{118^0}{298^0}$ 87NM	21000FT ALT *****A**			
▲ **GUTOX** 021721N 0894622E					**INT P627**
	$\frac{117^0}{297^0}$ 149NM			↑	
▲ **SELSU** 011100N 0920000E					**JAKARTA FIR**

ENR 3.1 ATS ROUTES

Route Designator, Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits Lower Limits Minimum Flight Altitude, Airspace Classification	Lateral Limits NM	Direction of Cruising Levels (Odd / Even)	Remarks, Controlling Unit, Frequency
1	2	3	4	5	6
N628(*)					**JAKARTA FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **KETIV** 004200S 0920000E	266°/086° 185NM	FL460 FL240 ***A		↓	**INT L744/L897**
					COLOMBO FIR
▲ **BASEV** 010121S 0885622E	266°/086° 245NM				**INT N640**
					*** bellow FL245–Class **'D'**
▲ **DABAP** 012639S 0845318E	267°/087° 328NM			↑	**INT P627**
					Controlling Authority Colombo ACC Freq : 124.9 MHz
▲ **DADAR** 020000S 0792706E					**INT L894**
					MELBOURNE FIR
N640 (*)					**CHENNAI FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **BIKOK** 081706N0783555E	134°/314° 51NM	FL460 10000FT ALT **A		↓	**COLOMBO FIR**
					(BIKOK-KAT) Sector one way east bound diversionary route for P570.
→ ▲ **MELIN** 074243N 0791432E	134°/314° 50NM	FL460 2000FT ALT **A			
					** below FL245 - Class **'C'**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E	133°/313° 62NM	FL460 10500FT ALT 11000FT ALT **A		↓	
					Controlling Authority : Colombo ACC Frequency : 124.9MHz
→ ▲ **LAVIT** 062849N 0803837E	133°/313° 33NM	FL460 10500FT ALT 11000FT ALT **A			
▲ **HAMBA** 060701N 0810407E	133°/313° 45NM	FL460 FL210 **A			
→ ▲ **ENSET** 053738N 0813806E	133°/313° 192NM	FL460 FL210 **A			**INT Q210**
▲ **EGODU** 033150N 0840336E	134°/314° 170NM	FL460 FL210 ***A			**INT P756**
					*** bellow FL245 - Class **'D'**
▲ **EKASU** 013733N 0861005E	136°/316° 230NM				
▲ **BASEV** 010121S 0885622E	136°/316° 85NM			↑	**INT N628**
▲ **ELATI** 020000S 0895742E					**ATS/MET INT L774**
					MELBOURNE FIR

RMK : All coordinates given in WGS-84

ENR 3.1 ATS ROUTES

Route Designator, Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits / Lower Limits / Minimum Flight Altitude, Airspace Classification	Lateral Limits NM	Direction of Cruising levels (Odd / Even)	Remarks, Controlling Unit, Frequency
1	2	3	4	5	6
P570 (*)					**JAKARTA FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **NIXUL** 040029N 0920000E					**INT P627**
	285⁰ / 105⁰ 98NM				**COLOMBO FIR**
▲ **SULEN** 042436N 0902354E					**INT L896**
	287⁰ / 107⁰ 149NM				
▲ **POPAK** 050442N 0880000E					Controlling Authority: Colombo ACC Freq: 124.9MHZ
	286⁰ / 106⁰ 247NM				
▲ **TEBIT** 060712N 0840000E		FL460 / FL280 **A**	50NM		**INT Z610**
	286⁰ / 106⁰ 124NM				
▲ **VEVET** 063742N 0820000E					50/50 RHSM applied with DCPC (Ref ENR 1.1, para 16.2.1)
	286⁰ / 106⁰ 62NM				
▲ **TEMAX** 065248N 0810000E					
	286⁰ / 106⁰ 70NM				
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E					
	297⁰ / 117⁰ 50NM	FL460 / FL280 **A**			**(KAT-BASUR)** sector one way west bound only
▲ **IBOTU** 073049N 0790726E					
	295⁰ / 115⁰ 63NM				
▲ **BASUR** 075543N 0780926E					**CHENNAI FIR**
P627 (*)					**JAKARTA FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **NIXUL** 040029N 0920000E					**INT P570**
	233⁰ / 053⁰ 169NM				**COLOMBO FIR**
▲ **GUTOX** 021721N 0894622E					**INT M766**
	235⁰ / 055⁰ 83NM	FL460 / FL240 *** **A** **(See Note)**			*** below FL245-Class **'D'**
▲ **MATLU** 012656N 0884025E					**INT L897**
	235⁰ / 055⁰ 174NM				
▲ **KALOX** 001839S 0862217E					**INT M641**
	235⁰ / 055⁰ 112NM				
▲ **DABAP** 012639S 0845318E					**INT N628**

Contd on page ENR 3.1-17

ENR 3.1 ATS ROUTES

Route Designator, Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits / Lower Limits / Minimum Flight Altitude / Airspace Classification	Lateral limits NM	Direction of Cruising Levels (Odd / Even)	Remarks , Controlling Unit, Frequency
1	2	3	4	5	6
P627(*) Contd. from page ENR 3.1-15	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR**
▲ **DABAP** 012639S 0845318E					*** below FL245-Class"**D'**
					INT N628
	$\frac{236^0}{056^0}$ 55NM	FL460 / FL240 ***A (See Note)		↓ ↑	Controlling Authority: Colombo ACC Freq: 124.9MHz
▲ **KADAP** 020000S 0840936E					**ATS / MET**
					MELBOURNE FIR

Note : 1. Aircraft to maintain the SLOT levels assigned as follows :
a). West bound flights – FL300 and FL400
b). East bound flights – FL290 and FL410
. With no conflicting traffic on ATS routes L896,L897, M641, M766 and N640, aircraft may be assigned other flight levels when required.

2 Longitudinal separation: a). 15 minutes
b). reduced to 10 minutes with **M**ach **N**umber **T**echnique for RNP 10 compatible aircraft

P756(*)					**JAKARTA FIR**
	(*) – RNP 10 OPS (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				
▲ **NISOK** 030254N 0920000E					**INT L896**
	$\frac{274^0}{094^0}$ 256NM	FL460 / FL150 ***A		↓	**COLOMBO FIR**
▲ **OBDAL** 031850N0874447E					**INT M766**
	$\frac{275^0}{095^0}$ 130NM				
▲ **LAKIP** 032630N0853455E					**INT L897**
	$\frac{275^0}{095^0}$ 91NM				***below FL245-Class'**D'**
Δ **EGODU** 033150N 0840336E					**INT N640**
	$\frac{275^0}{095^0}$ 63NM				
▲ **RUXER** 033514N 0830107E					**INT M641 / Q210**
	$\frac{275^0}{095^0}$ 301NM			↑	Controlling Authority: Colombo ACC Freq: 124.9MHz
▲ **UBKIN** 035054N 0780000E					**MALE FIR**

RMK : All coordinates given in WGS-84.

ENR 3.1 ATS ROUTES

Route Designator, Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits / Lower Limits / Minimum Flight Altitude / Airspace Classification	Lateral limits NM	Direction of Cruising Levels (Odd / Even)	Remarks , Controlling Unit, Frequency
1	2	3	4	5	6
P762(*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR** Controlling Authority: Colombo ACC Freq:124.9MHz 50/50 RHSM applied with DCPC. (Ref ENR 1.1, para 16.2.1)
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E	072⁰/252⁰ 72NM	FL460/FL260 **A**		↓	
→ ▲ **BOVTO** 073424N 0810000E	072⁰/252⁰ 118NM				
▲ **ESPAP** 081342N 0825218E	072⁰/252⁰ 121NM			↑	**INT M300 / Q110**
▲ **DUGOS** 085306N 0844753E					**INT L896** **CHENNAI FIR**
Q110(*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR TMA** Controlling Authority: Colombo ACC Freq:124.9MHz **AWY** ** Below FL245 - Class **'C'**
▲ **MATTALA DVOR/DME(MTL)** 061814N 0810839E	044⁰/224⁰ 50NM	FL460 10500FT ALT **A		↓	
→ ▲ **AVKID** 065519N 0814156E	044⁰/224⁰ 29NM	FL460 11000FT ALT **A			
→ ▲ **BIDAN** 071639N 0820105E	044⁰/224⁰ 76NM			↑	**INT L645**
▲ **ESPAP** 081342N 0825218E					**INT M300 / P762**
Q210(*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR AWY** ** Below FL245 - Class **'C'** Controlling Authority: Colombo ACC Freq:124.9MHz
▲ **MATTALA DVOR/DME(MTL)** 061814N 0810839E	146⁰/326⁰ 50NM	FL460 3000FT ALT **A		↓	
→ ▲ **ENSET** 053738N 0813806E	148⁰/328⁰ 147NM	FL460 11000FT ALT **A		↑	**INT N640**
▲ **RUXER** 033514N 0830107E					**INT M641 / P756**

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ENR 3.1 ATS ROUTES

Route Designator, Name of Significant Points. Coordinates	Track MAG(GEO) VOR RDL DIST (COP)	Upper Limits / Lower Limits / Minimum Flight Altitude / Airspace Classification	Lateral limits NM	Direction of Cruising Levels (Odd / Even)	Remarks , Controlling Unit, Frequency
1	2	3	4	5	6
R461					**COLOMBO FIR** **TMA** **AWY**
▲ **KATUNAYAKE DVOR/DME (KAT)** 070941N 0795207E	$\frac{330^0}{150^0}$ 50NM	FL460 2000FT ALT ****A**		↓	Controlling Authority: Colombo ACC Freq:124.9MHz
→ ▲ **JATON** 075119N 0792556E	$\frac{327^0}{147^0}$ 51NM	FL460 10000FT ALT ****A**			****** Below FL245 - Class **'C'** **(KAT – DEMON)** Sector one-way west bound only
▲ **DEMON** 083325N 0785638E					**CHENNAI FIR**
T310 (*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR**
▲ **MATTALA DVOR/DME(MTL)** 061814N 0810839E	$\frac{261^0}{081^0}$ 50NM	FL460 6500FT ALT ****A**		↓	Controlling Authority: Colombo ACC Freq:124.9MHz
→ ▲ **GUKRO** 060836N 0801923E	$\frac{260^0}{080^0}$ 93NM	FL460 11000FT ALT ****A**			****** Below FL245 - Class **'C'**
▲ **SAPTA** 054954N 0784744E	$\frac{261^0}{081^0}$ 48NM	FL460 FL260 ****A**		↑	
▲ **TELIG** 054054N 0780000E					**INT M512** **MALE FIR**
Y510 (*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR** **AWY** **TMA**
▲ **MATTALA DVOR/DME(MTL)** 061814N 0810839E	$\frac{077^0}{257^0}$ 50NM	FL460 10500FT ALT ****A**		↓	****** Below FL245 - Class **'C'**
→ ▲ **BELVA** 063115N 0815650E	$\frac{077^0}{257^0}$ 134NM	FL460 11000FT ALT ****A**			Controlling Authority: Colombo ACC Freq:124.9MHz
▲ **KASGO** 070611N 0840610E	$\frac{076^0}{256^0}$ 75NM	FL460 FL260 ****A**		↑	
▲ **IDUDO** 072631N 0851829E					**INT L645 / M300**

RMK : All coordinates given in WGS-84

ENR 3.1 ATS ROUTES					
Route Designator, Name of Significant Points. Coordinates	**Track MAG(GEO) VOR RDL DIST (COP)**	**Upper Limits Lower Limits Minimum Flight Altitude Airspace Classification**	**Lateral limits NM**	**Direction of Cruising Levels** Odd / Even	**Remarks , Controlling Unit, Frequency**
1	**2**	**3**	**4**	**5**	**6**
Z610 (*)	**(*) – RNP 10 OPS** (RNP 10 requirements specified in AIP Sub section ENR 1.1, para 16 are applicable.)				**COLOMBO FIR** **TMA** **AWY** Controlling Authority: Colombo ACC Freq:124.9MHz
▲ **MATTALA DVOR/DME(MTL)** 061814N 0810839E					
	$\frac{104^0}{284^0}$ 50NM	FL460 3000FT ALT ****A**		↓	
→ ▲ **PEBSA** 060756N 0815739E					**INT M766**
	$\frac{092^0}{272^0}$ 122NM	FL460 11000FT ALT ****A**		↑	****** Below FL245 - Class **'C'**
▲ **TEBIT** 060712N 0840000E					**INT P570**