

## ENR 3.1 LOWER ATS ROUTES

Route designator Name of significant points Coordinates	Track MAG Rev Track MAG Length (NM)	Upper limit Lower limit MEA Airspace class	Lateral limits (NM) MOCA	Direction of cruising levels		RNP Type	Remarks
				Odd	Even		
1	2	3	4	5		6	7
A409							
▲SOBTO 10°03'54"S 028°56'44"E							
	189°	FL245	0	↑	↓		Two-way radio contact to be maintained with Area Control Area Control Frequency 120.500Mhz
	008° 63 NM	FL145 Class A FL145 FL075 Class G					
▲MANSA NDB 'MA' 11°07'27"S 028°51'46"E							
	189°	FL245	0	↑	↓		Two-way radio contact to be maintained with Area Control Area Control Frequency 120.500Mhz
	009° 113 NM	FL145 Class A FL145 FL075 Class G					
▲NDOLA VOR/DME 'VND' 12°59'53"S 028°40'00"E							
	189°	FL245	0	↑	↓		Two-way radio contact to be maintained with Area Control Area Control Frequency 120.500Mhz
	010° 58 NM	FL145 Class A FL145 FL075 Class C					
▲AVEKU 13°58'00"S 028°33'54"E							
	190°	FL245	0				Two-way radio contact to be maintained
	011°	FL145					

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				Odd	Even		
1	2	3	4	5		6	7
	82 NM	Class A FL145 FL075 Class C					with NDOLA AP-PROACH FREQ 120.000Mhz
▲KENNETH KAUN-DA VOR/DME 'VLS' 15°19'41"S 028°25'15"E							
	200° 021° 70 NM	FL245 FL145 Class A FL145 FL075 Class C	0	↑	↓		Two-way radio contact to be maintained with NDOLA AP-PROACH FREQ 120.000Mhz  LUSAKA AP-PROACH FREQ 121.300Mhz
▲ETLUN 16°28'00"S 028°07'00"E							
	203° 023° 24 NM	FL245 FL145 Class A FL145 FL075 Class G	0	↑	↓		Two-way radio contact to be maintained with LUSAKA AP-PROACH FREQ 121.300Mhz
▲ESTAK 16°51'00"S 028°00'000"E							
Two-way radio contact to be maintained with Lusaka Control in these airspaces. Lusaka Control Frequency: 8888.0Khz 120.500Mhz 6586.0Khz 6952.0Khz							