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* Odd	Even	*RNP Type*	*Remarks*
1	2	3	4	5		6	7
G652							
▲UDNOR 11°33'55"S 023°56'57"E							
	120° 301° 193 NM	FL245 FL145 Class A FL145 FL075 Class G	10	↓	↑		Two-way radio contact to be maintained with ATC in these airspace Solwezi Approach Freq 123.925Mhz as a relay station. Lusaka Control Frequency 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz
▲NIDOS 13°04'00"S 026°51'06"E							
	149° 329° 85 NM	FL245 FL145 Class A FL145 FL075 Class C	10	↓	↑		Two-way radio contact to be maintained with ATC in these airspace Solwezi Approach Freq 123.925MHz as a relay station. Lusaka Control Frequency 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz
▲AVUPA 14°14'00"S 027°41'00"E							
	151° 332° 78 NM	FL245 FL145 Class A FL145	10	↓	↑		Two-way radio contact to be maintained with Lusaka Approach Control.

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
		FL075 Class C					Lusaka Approach. Frequency: 121.300Mhz SOLWEZI AP-PROACH FREQ 123.925Mhz
▲LUSAKA VOR/DME 'VLS' 15°19'41"S 028°25'15"E							
	143° 322° 25 NM	FL245 FL145 Class A FL145 FL075 Class C	10	↓	↑		Two-way radio contact to be maintained with Lusaka Approach Control. Lusaka Approach. Frequency: 121.300Mhz
▲VLS08 15°37'50"S 028°43'01"E							
	142° 322° 26 NM	FL245 FL145 Class A FL145 FL075 Class C	10	↓	↑		Two-way radio contact to be maintained with Lusaka Approach Control. Lusaka Approach. Frequency: 121.300Mhz
▲GADBA 15°56'03"S 029°00'53"E							