

## ENR 3.2 UPPER ATS ROUTES

Route designator Name of significant points Coordinates	Track MAG Rev Track MAG Length (NM)	Upper limit Lower limit Airspace class	Later- al lim- its (NM)	Direction of cruising levels		RNP Type	Remarks
				Odd	Even		
1	2	3	4	5		6	7
UA409							
▲SOBTO 10°03'54"S 028°56'44"E							
	<div>185°</div> <div>007°</div> <div>64 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		↑	↓		Two-way radio contact to be maintained with ATC in these airspaces. Ndola Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 119.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲MANSA NDB 'MA' 11°07'27"S 028°51'46"E							
	<div>190°</div> <div>009°</div> <div>113 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		↑	↓		Two-way radio contact to be maintained with ATC in these airspaces. Ndola Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 119.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲NDOLA VOR/DME 'VND' 12°59'53"S 028°40'00"E							
	<div>191°</div> <div>012°</div> <div>140 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		↑	↓		Two-way radio contact to be maintained with ATC in these airspaces. Ndola Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 119.700Mhz

Route designator Name of significant points Coordinates	Track MAG Rev Track MAG Length (NM)	Upper limit Lower limit Airspace class	Lateral limits (NM)	Direction of cruising levels		RNP Type	Remarks
				Odd	Even		
1	2	3	4	5		6	7
							8888.0Khz 8873.0Khz 6586.0Khz
▲KENNETH KAUN- DA VOR/DME 'VLS' 15°19'41"S 028°25'15"E							
	200° 021° 70 NM	UNL FL245 Class A		↑	↓		Two-way radio contact to be maintained with ATC in these airspaces. Lusaka Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 121.300Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲ETLUN 16°28'00"S 028°07'00"E							
	203° 023° 24 NM	UNL FL245 Class A		↑	↓		Two-way radio contact to be maintained with ATC in these airspaces. Lusaka Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 121.300Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲ESTAK 16°51'00"S 028°00'00"E							
Two-way radio contact to be maintained with Lusaka Control in these airspaces. Lusaka Control Frequency: 8888.0Khz 120.5.500Mhz 6586.0Khz 6952.0Khz UA409 is a contingency route							