

## 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	Lateral limits (NM)	Direction of cruising levels		RNP Type	Remarks
				Odd	Even		
1	2	3	4	5		6	7
UG424							
▲SONPO 11°20'00"S 028°20'00"E							
	<div>073°</div> <div>254°</div> <div>34 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		<div>↓</div>	<div>↑</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 8888.000Khz 8873.000Khz 6586.000Khz
▲MANSA NDB 'MA' 11°07'27"S 028°51'46"E							
	<div>071°</div> <div>249°</div> <div>72 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		<div>↓</div>	<div>↑</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 8888.000Khz 8873.000Khz 6586.000Khz
▲EKBOV 10°40'00"S 030°00'000"E							
	<div>071°</div> <div>251°</div> <div>73 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		<div>↓</div>	<div>↑</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 8888.000Khz

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
							8873.000Khz 6586.000Khz
▲ KASAMA NDB 'KS' 10°12'59"S 031°08'22"E							
	<div>071° 250° 123 NM</div>	<div>UNL FL245  Class A</div>		↓	↑		Two-way radio contact to be maintained with Lusaka AREA CTRL FREQ. 120.500Mhz 8888.000Khz 8873.000Khz 6952.000Khz
▲ GESAT 09°26'30"S 033°03'47"E							
	<div>070° 250° 19 NM</div>	<div>UNL FL245  Class A</div>		↓	↑		Two-way radio contact to be maintained with Lusaka AREA CTRL FREQ. 120.500Mhz 8888.000Khz 8873.000Khz 6952.000Khz
▲ IBROP 09°19'24"S 033°21'16"E							
	<div>070° 250° 8 NM</div>	<div>UNL FL245  Class A</div>		↓	↑		Two-way radio contact to be maintained with Lusaka AREA CTRL FREQ. 120.500Mhz 8888.000Khz 8873.000Khz 6952.000Khz
▲ ITBEX 09°16'20"S 033°28'47"E							
Two-way radio contact to be maintained with Area Control. Lusaka Control Freq:- 120.500Mhz 8888.0Khz 6586.0Khz 6952.0Khz UG424 is a contingency route							