

## 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
UG656							
▲MBEYA NDB 'MB' 08°55'34"S 033°27'27"E							
	<div>178°</div> <div>358°</div> <div>21 NM</div>	<div>UNL</div> <div>FL145</div> <div>Class A</div>		<div>↓</div>	<div>↑</div>		Two-way radio contact to be maintained with ATC in these airspaces. Mfuwe Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 120.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲ITBEX 09°16'20"S 033°28'47"E							
	<div>178°</div> <div>359°</div> <div>21 NM</div>	<div>UNL</div> <div>FL145</div> <div>Class A</div>		<div>↓</div>	<div>↑</div>		Two-way radio contact to be maintained with ATC in these airspaces. Mfuwe Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 120.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲OVANA 09°37'00"S 033°30'000"E							
	<div>178°</div> <div>359°</div> <div>65 NM</div>	<div>UNL</div> <div>FL145</div> <div>Class A</div>		<div>↓</div>	<div>↑</div>		Two-way radio contact to be maintained with ATC in these airspaces. Mfuwe Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 120.700Mhz 8888.0Khz

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
							8873.0Khz 6586.0Khz
▲MEKRO 10°44'20"S 033°35'00"E							
	182° 360° 43 NM	UNL FL145 Class A		↑	↓		Two-way radio contact to be maintained with ATC in these airspaces. Mfuwe Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 120.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲UTALA 11°22'12"S 033°37'54"E							
	183° 360° 6 NM	UNL FL145 Class A		↑	↓		Two-way radio contact to be maintained with ATC in these airspaces. Mfuwe Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 120.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲ANTOP 11°30'00"S 033°38'30"E							