

## 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
UB530							
▲NDOLA VOR/DME 'VND' 12°59'53"S 028°40'00"E							
	<div>046°</div> <div>224°</div> <div>221 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 120.000Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲KASAMA NDB 'KS' 10°12'59"S 031°08'22"E							
	<div>063°</div> <div>242°</div> <div>110 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		<div>↓</div>	<div>↑</div>		Two-way radio contact to be maintained with Lusaka AREA CTRL FREQ. 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz
▲UTEMA 09°17'49"S 032°45'08"E							
	<div>063°</div> <div>243°</div> <div>48 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		<div>↓</div>	<div>↑</div>		Two-way radio contact to be maintained with Lusaka AREA CTRL FREQ. 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz
▲MBEYA NDB 'MB' 08°55'22"S 033°27'29"E							

<b>Route designator</b> <b>Name of significant points</b> <b>Coordinates</b>	<b>Track MAG</b> <b>Rev Track MAG</b> <b>Length (NM)</b>	<b>Upper limit</b> <b>Lower limit</b> <b>Airspace class</b>	<b>Later- al lim- its (NM)</b>	<b>Direction of cruising levels</b>		<b>RNP Type</b>	<b>Remarks</b>
				<b>Odd</b>	<b>Even</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>		<b>6</b>	<b>7</b>
Two-way radio contact to be maintained with ATS in these airspace Ndola Approach Kasama /Mansa information available as relay stations Lusaka Control Frequency: 120.500Mhz 8888.0Khz 6586.0Khz 6952.0Khz							