

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
UP312							
▲MBEYA NDB 'MB' 08°55'22"S 033°27'29"E							
	<div>196°</div> <div>016°</div> <div>25 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		<div>↑</div>	<div>↓</div>		Two-way radio contact to be maintained with AREA CTRL FREQ and MFUWE APPROACH. 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz 120.700Mhz
▲IBROP 09°19'24"S 033°21'16"E							
	<div>196°</div> <div>017°</div> <div>10 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		<div>↑</div>	<div>↓</div>		Two-way radio contact to be maintained with AREA CTRL FREQ and MFUWE APPROACH. 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz 120.700Mhz
▲APKOL 09°29'16"S 033°18'44"E							
	<div>197°</div> <div>019°</div> <div>167 NM</div>	<div>UNL</div> <div>FL245</div> <div>Class A</div>		<div>↑</div>	<div>↓</div>		Two-way radio contact to be maintained with AREA CTRL FREQ and MFUWE APPROACH. 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz 120.700Mhz
▲ETOLI 12°11'30"S 032°35'18"E							

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				Odd	Even		
1	2	3	4	5		6	7
	196° 017° 73 NM	UNL FL245 Class A		↑	↓		Two-way radio contact to be maintained with AREA CTRL FREQ and MFUWE APPROACH. 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz 120.700Mhz
▲ADMIS 13°22'52"S 032°19'15"E							
	200° 020° 12 NM	UNL FL245 Class A		↑	↓		Two-way radio contact to be maintained with AREA CTRL FREQ and MFUWE APPROACH. 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz 120.700Mhz
▲UDPIX 13°34'42"S 032°16'00"E							
	199° 020° 49 NM	UNL FL245 Class A		↑	↓		Two-way radio contact to be maintained with AREA CTRL FREQ and MFUWE APPROACH. 120.500Mhz 8888.0Khz 8873.0Khz 6952.0Khz 120.700Mhz
▲TEVAS 14°22'18"S 032°03'30"E							
UP312 is also a contingency route							