

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
UM439							
▲LUSAKA VOR/DME 'VLS' 15°19'41"S 028°25'15"E							
	<div>240°</div> <div>061°</div> <div>77 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. Lusaka Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 121.300Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲IBGOT 16°04'42"S 027°19'50"E							
	<div>239°</div> <div>060°</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. Lusaka Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 121.300Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲DURTO 16°47'18"S 026°19'42"E							
	<div>241°</div> <div>062°</div> <div>66 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. Livingstone Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 124.300Mhz 8888.0Khz

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
							8873.0Khz 6586.0Khz
▲IMVES 17°25'17"S 025°23'23"E							
	<div>240°</div> <div>060°</div> <div>22 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. Livingstone Approach available as a relay station. Lusaka Control Frequency 120.500Mhz 124.300Mhz 8888.0Khz 8873.0Khz 6586.0Khz
▲TIKOK 17°38'18"S 025°05'06"E							
Two-way radio contact to be maintained with Area Control. Lusaka Control Freq:- 120.500Mhz 8888.0Khz 6586.0Khz 6952.0Khz							