

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 |
| UR779 | | | | | | | |
| ▲MBEYA NDB 'MB' 08°55'22"S 033°27'29"E | | | | | | | |
| | <div>219°</div> <div>039°</div> <div>39 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. Kasama/ Mfuwe available as a relays stations. Lusaka Control Frequency. 120.500Mhz 8888.0Khz 8873.0Khz 6586.0Khz |
| ▲GESAT 09°26'30"S 033°03'47"E | | | | | | | |
| | <div>219°</div> <div>040°</div> <div>106 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 Control Frequency. 120.500Mhz 8888.0Khz 8873.0Khz 6586.0Khz |
| ▲ITKAN 10°50'48"S 031°58'36"E | | | | | | | |
| | <div>220°</div> <div>040°</div> <div>19 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. Mfuwe available HJ as a relays stations. Lusaka Control Frequency. 120.500Mhz 120.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz |
| ▲APGEL 11°05'42"S | | | | | | | |

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|---|--|--|---------------------|------------------------------|------|----------|---|
| | | | | Odd | Even | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 031°47'00"E | | | | | | | |
| | 220° 042° 139 NM | UNL FL245 Class A | | ↑ | ↓ | | Two-way radio contact to be maintained with ATC in these airspaces. Mfuwe available HJ as a relays stations. Lusaka Control Frequency. 120.500Mhz 120.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz |
| ▲GEPET 12°56'30"S 030°20'00"E | | | | | | | |
| | 222° 042° 33 NM | UNL FL245 Class A | | ↑ | ↓ | | Two-way radio contact to be maintained with ATC in these airspaces. Mfuwe available HJ as a relays stations. Lusaka Control Frequency. 120.500Mhz 120.700Mhz 8888.0Khz 8873.0Khz 6586.0Khz |
| ▲AVEKA 13°22'36"S 029°59'18"E | | | | | | | |
| | 222° 044° 148 NM | UNL FL245 Class A | | ↑ | ↓ | | Two-way radio contact to be maintained with AREA CTRL FREQ and Lusaka APPROACH. 121.300Mhz 8888.0Khz 8873.0Khz 6952.0Khz |
| ▲KENNETH KAUNDA VOR/DME 'VLS' 15°19'41"S 028°25'15"E | | | | | | | |
| | 231° 052° | UNL FL245 | | ↑ | ↓ | | Two-way radio contact to be maintained |

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|---|--|--|---------------------|------------------------------|------|----------|--|
| | | | | Odd | Even | | |
| 1 | 2 | 3 | 4 | 5 | | 6 | 7 |
| | 161 NM | Class A | | | | | with AREA CTRL FREQ and Lusaka APPROACH. 121.300Mhz 8888.0Khz 8873.0Khz 6952.0Khz |
| ▲ AVOMU 17°13'58"S 026°26'53"E | | | | | | | |
| | 233° 054° 50 NM | UNL FL245 Class A | | ↑ | ↓ | | Two-way radio contact to be maintained with ATC in these airspaces. Livingstone Approach 124.300Mhz available HJ as a relay station. Lusaka Control Frequency. 120.500Mhz 8888.0Khz 8873.0Khz 6586.0Khz |
| ▲ HARRY MWAANGA NKUMBULA VOR/DME 'VLI' 17°48'45"S 025°49'12"E | | | | | | | |

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