

## ENR 3.2 UPPER ATS ROUTES

| Route designator<br>Name of significant points<br>Coordinates | Track MAG<br>Rev Track MAG<br>Length (NM)        | Upper limit<br>Lower limit<br>Airspace class       | Lateral limits (NM) | Direction of cruising levels |              | RNP Type | Remarks  |
|---|--|--|---------------------|------------------------------|--------------|----------|--|
|   |  |  |                     | Odd                          | Even         |          |  |
| 1   | 2  | 3  | 4                   | 5                            |              | 6        | 7  |
| UG424   |  |  |                     |                              |              |          |  |
| ▲SONPO<br>11°20'00"S<br>028°20'00"E                           |  |  |                     |                              |              |          |  |
|   | <div>073°</div> <div>254°</div> <div>34 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<br>120.500Mhz<br>119.700Mhz<br>8888.000Khz<br>8873.000Khz<br>6586.000Khz |
| ▲MANSA<br>NDB 'MA'<br>11°07'27"S<br>028°51'46"E               |  |  |                     |                              |              |          |  |
|   | <div>071°</div> <div>249°</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. Ndola Approach available as a relay station. Lusaka Control Frequency<br>120.500Mhz<br>119.700Mhz<br>8888.000Khz<br>8873.000Khz<br>6586.000Khz |
| ▲EKBOV<br>10°40'00"S<br>030°00'000"E                          |  |  |                     |                              |              |          |  |
|   | <div>071°</div> <div>251°</div> <div>73 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<br>120.500Mhz<br>119.700Mhz<br>8888.000Khz                               |

| Route designator<br>Name of significant points<br>Coordinates   | Track MAG<br>Rev Track<br>MAG<br>Length (NM)      | Upper limit<br>Lower limit<br>Airspace class       | Later-<br>al lim-<br>its (NM) | Direction of<br>cruising<br>levels |              | RNP<br>Type | Remarks   |
|---|---|--|-------------------------------|------------------------------------|--------------|-------------|---|
|   |   |  |                               | Odd                                | Even         |             |   |
| 1   | 2   | 3  | 4                             | 5                                  |              | 6           | 7   |
|   |   |  |                               |                                    |              |             | 8873.000Khz<br>6586.000Khz  |
| ▲KASAMA<br>NDB 'KS'<br>10°12'30"S<br>031°08'25"E  |   |  |                               |                                    |              |             |   |
|   | <div>071°</div> <div>250°</div> <div>123 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.<br>120.500Mhz<br>8888.000Khz<br>8873.000Khz<br>6952.000Khz |
| ▲GESAT<br>09°26'30"S<br>033°03'47"E   |   |  |                               |                                    |              |             |   |
|   | <div>070°</div> <div>250°</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 Lusaka AREA CTRL FREQ.<br>120.500Mhz<br>8888.000Khz<br>8873.000Khz<br>6952.000Khz |
| ▲IBROP<br>09°19'24"S<br>033°21'16"E   |   |  |                               |                                    |              |             |   |
|   | <div>070°</div> <div>250°</div> <div>8 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.<br>120.500Mhz<br>8888.000Khz<br>8873.000Khz<br>6952.000Khz |
| ▲ITBEX<br>09°16'20"S<br>033°28'47"E   |   |  |                               |                                    |              |             |   |
| Two-way radio contact to be maintained with Area Control.<br>Lusaka Control Freq:-<br>120.500Mhz<br>8888.0Khz<br>6586.0Khz<br>6952.0Khz |   |  |                               |                                    |              |             |   |