

**PART 2. EN-ROUTE (ENR)****ENR 3 ATS ROUTES****ENR 3.1 LOWER ATS ROUTES**

1. Airspace Class designations only apply within the boundaries of the South Sudan FIR. See adjacent FIR AIP's for designations outside of the South Sudan FIR. Airways without significant named points on the South Sudan FIR boundary include a point outside of the South Sudan FIR for reference.

On the South Sudan / Ethiopia boundary, include a point outside of the South Sudan / Ethiopia reference.

| ROUTE DESIGNATOR<br>{RNP Type} |                                                                  | MAG TRACK                             | UPPER LIMITS                                                   | LATERAL<br>LIMITS NM | DIRECTION OF<br>CRUISING<br>LEVELS |      | REMARKS                     |
|--------------------------------|------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------|----------------------|------------------------------------|------|-----------------------------|
| NAME OF SIGNIFICANT POINTS     | COORDINATES                                                      | VOR RDL                               | LOWER LIMITS<br>AIRSPACE<br>CLASSIFICATION                     |                      | ODD                                | EVEN | CONTROLLING<br>UNIT CHANNEL |
| 1                              |                                                                  | 2                                     | 3                                                              | 4                    | 5                                  |      | 6                           |
| A410                           |                                                                  |                                       |                                                                |                      |                                    |      |                             |
| ▲                              | KAFIA<br>08°44'00"N 023°31'00"E                                  | 055°<br>-----<br>235°<br>88 NM        | FL285<br>-----<br>FL075<br>CLASS C*<br>*CLASS E<br>BELOW FL245 | 20                   | ↓                                  | ↑    |                             |
| ▲                              | ALMAM<br>08°44'00"N 023°31'00"E                                  | 055°<br>-----<br>235°<br>161 NM       | FL285<br>-----<br>FL075<br>CLASS C*<br>*CLASS E<br>BELOW FL245 | 20                   | ↓                                  | ↑    |                             |
| △                              | RADAG<br>11°03'40"N 027°00'20"E                                  | 055°<br>-----<br>235°<br>227 NM       | FL285<br>-----<br>FL075<br>CLASS C*<br>*CLASS E<br>BELOW FL245 | 20                   | ↓                                  | ↑    |                             |
| A727                           |                                                                  |                                       |                                                                |                      |                                    |      |                             |
| ▲                              | KENANA VOR-DME<br>( KNA )<br><br>13°01'40.72"N<br>032°54'23.19"E | 161.47°<br>-----<br>342.03°<br>229 NM | FL245<br>-----<br>FL055<br>CLASS E                             | 20                   | ↓                                  | ↑    |                             |
| ▲                              | AVONO<br>09°26'06"N 033°54'18"E                                  | 162.14°<br>-----<br>242.6°<br>167 NM  | FL245<br>-----<br>FL075<br>CLASS E                             | 20                   | ↓                                  | ↑    | TRANSFER<br>POINT           |

|             |                                                               |                                      |                                    |    |   |   |  |
|-------------|---------------------------------------------------------------|--------------------------------------|------------------------------------|----|---|---|--|
| ▲           | EPSIX<br>06°38'08"N 034°40'02"E                               | 162.59°<br>-----<br>342.84°<br>82 NM | FL245<br>-----<br>FL075<br>CLASS E | 20 | ↓ | ↑ |  |
| ▲           | AMATO<br>05°18'36"N 035°01'24"E                               | 163.1°<br>-----<br>343.37°<br>81 NM  | FL245<br>-----<br>FL075<br>CLASS E | 20 | ↓ | ↑ |  |
| ▲           | ANTAX<br>04°00'00"N 035°22'48"E                               |                                      |                                    |    |   |   |  |
| <b>B527</b> |                                                               |                                      |                                    |    |   |   |  |
| ▲           | RABAK<br>13°01'10"N 032°09'57"E                               | 186°<br>-----<br>006°<br>209 NM      | FL245<br>-----<br>FL055<br>CLASS E | 20 | ↓ | ↑ |  |
| ▲           | MALAKAL VOR-DME<br>( MLK )<br>09°33'47.40"N<br>031°39'11.41"E | 180°<br>-----<br>360°<br>279 NM      | FL245<br>-----<br>FL075<br>CLASS E | 20 | ↓ | ↑ |  |
| ▲           | JUBA DVOR-DME<br>( JUB )<br>04°52'34.00"N<br>031°35'59.00"E   | 199°<br>-----<br>019°<br>57 NM       | FL245<br>-----<br>FL075<br>CLASS E | 20 | ↓ | ↑ |  |
| ▲           | OVELA<br>04°00'00"N 031°14'54"E                               |                                      |                                    |    |   |   |  |
| <b>B535</b> |                                                               |                                      |                                    |    |   |   |  |
| ▲           | TAPOS<br>05°54'08"N 033°20'02"E                               | 239°<br>-----<br>059°<br>121 NM      | FL245<br>-----<br>FL075<br>CLASS E | 20 | ↓ | ↑ |  |
| ▲           | JUBA DVOR-DME<br>( JUB )<br>04°52'34.00"N<br>031°35'59.00"E   |                                      |                                    |    |   |   |  |

| G656 |                                                                 |                                    |                                    |    |   |   |  |
|------|-----------------------------------------------------------------|------------------------------------|------------------------------------|----|---|---|--|
| ▲    | JUBA DVOR-DME<br>( JUB )<br><br>04°52'34.00"N<br>031°35'59.00"E | 167°<br>-----<br>347°<br><br>54 NM | FL245<br>-----<br>FL115<br>CLASS E | 20 | ↓ | ↑ |  |
| ▲    | ATUGA<br><br>04°00'00"N 031°48'00"E                             |                                    |                                    |    |   |   |  |

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| <b>ENR 3 ATS ROUTES</b> |
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**ENR 3.2 UPPER ATS ROUTES**

--See Sudan AIP (Khartoum FIR).

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**ENR 3.3 AREA NAVIGATION ROUTES**

-See Sudan AIP (Khartoum FIR).

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| <b>ENR 3.4 HELICOPTER ROUTES</b> |
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-NIL

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| <b>ENR 3.5 OTHER ROUTES</b> |
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-NIL.

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**ENR 3.6 EN-ROUTE HOLDING**

-See Sudan AIP (Khartoum FIR).