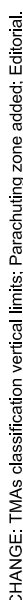


**RNP RWY 31**



## M to/from THR 31

|                                             |         |      |      |      |      |      |      |     |     |
|---------------------------------------------|---------|------|------|------|------|------|------|-----|-----|
| DIST THR / RW31                             | NM      | 8    | 7    | 6    | 5    | 4    | 3    | 2   | 1   |
| Altitude                                    | ft      | 2890 | 2540 | 2220 | 1900 | 1580 | 1260 | 950 | 630 |
| Timing not authorized for defining the MAPt |         |      |      |      |      |      |      |     |     |
| GS                                          | kt      | 80   | 100  | 120  | 140  | 160  | 180  |     |     |
| LEVPA - RW31 (8.5NM)                        | min:sec | 6:23 | 5:06 | 4:15 | 3:39 | 3:11 | 2:50 |     |     |
| Rate of descent (5.2%)                      | ft/min  | 425  | 531  | 637  | 743  | 849  | 955  |     |     |

RNP RWY 31

Coding elements for FAS Data Block

| Input data                          |                                                                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Operation Type                      | 0                                                                                                                                |
| SBAS Provider                       | 1 (EGNOS)                                                                                                                        |
| Airport Identifier                  | LDZD                                                                                                                             |
| Runway                              | 31                                                                                                                               |
| Runway Letter                       | 0 (None)                                                                                                                         |
| Approach Performance Designator     | 0                                                                                                                                |
| Route Indicator                     |                                                                                                                                  |
| Reference Path Data Selector        | 0                                                                                                                                |
| Reference Path Identifier           | E31A                                                                                                                             |
| LTP/FTP Latitude                    | 440601.2885N                                                                                                                     |
| LTP/FTP Longitude                   | 0152126.6465E                                                                                                                    |
| LTP/FTP Ellipsoidal Height (metres) | 121.3                                                                                                                            |
| FPAP Latitude                       | 440659.1180N                                                                                                                     |
| Delta FPAP Latitude (seconds)       | 57.8295                                                                                                                          |
| FPAP Longitude                      | 0152008.3090E                                                                                                                    |
| Delta FPAP Longitude (seconds)      | -78.3375                                                                                                                         |
| Threshold Crossing Height           | 50.0                                                                                                                             |
| TCH Units Selector                  | 0 (feet)                                                                                                                         |
| Glidepath Angle (degrees)           | 3.00                                                                                                                             |
| Course Width (metres)               | 105.00                                                                                                                           |
| Length Offset (metres)              | 0                                                                                                                                |
| HAL (metres)                        | 40.0                                                                                                                             |
| VAL (metres)                        | 50.0                                                                                                                             |
| Output data                         |                                                                                                                                  |
| Data Block                          | 10 04 1A 04 0C 1F 00 00 01 31<br>33 05 91 02 ED 12 ED 36 97 06<br>BD 18 CB C3 01 FD 9B FD F4 01<br>2C 01 64 00 C8 FA 9F E2 2F 84 |
| Calculated CRC Value                | 9FE22F84                                                                                                                         |
| Required Additional Data            |                                                                                                                                  |
| ICAO Code                           | LD                                                                                                                               |
| LTP/FTP Orthometric Height (metres) | 78.8                                                                                                                             |

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

RNP RWY 31

| LDZD RNP RWY31                                                                    |                 |                        |                       |                  |                       |                       |                          |                    |               |            |                |                                          |          |
|-----------------------------------------------------------------------------------|-----------------|------------------------|-----------------------|------------------|-----------------------|-----------------------|--------------------------|--------------------|---------------|------------|----------------|------------------------------------------|----------|
| Proposed tabular description for navigation database coding - APPROACH TRANSITION |                 |                        |                       |                  |                       |                       |                          |                    |               |            |                |                                          |          |
| Serial Number                                                                     | Fix             | Path descriptor        | Waypoint name         | Flyover          | Course °M (°T)        | Magnetic Variation    | Distance (NM)            | Turn direction     | Altitude (ft) | Speed (kt) | VPA/TCH (°/ft) | Remarks                                  | NAV SPEC |
| 010                                                                               | IAF             | IF                     | BEPTU                 | -                | -                     | 4°E                   | -                        | -                  | +6000         | -          | -              | IAF on ATC authorization only            | RNP APCH |
| 020                                                                               | IF              | TF                     | RODGO                 | -                | 222° (225.9° T)       | 4°E                   | 7.0                      | -                  | +4000         | -          | -              | -                                        |          |
| 010                                                                               | IAF/IF          | IF                     | RODGO                 | -                | -                     | 4°E                   | -                        | -                  | +4000         | -          | -              |                                          | RNP APCH |
| 010                                                                               | IAF             | IF                     | ANAKO                 | -                | -                     | 4°E                   | -                        | -                  | +5000         | -          | -              | IAF on ATC authorization only            | RNP APCH |
| 020                                                                               | IF              | TF                     | RODGO                 | -                | 042° (045.8° T)       | 4°E                   | 7.0                      | -                  | +4000         | -          | -              | -                                        |          |
| Proposed tabular description for navigation database coding - FINAL TRANSITION    |                 |                        |                       |                  |                       |                       |                          |                    |               |            |                |                                          |          |
| Serial Number                                                                     | Fix             | Path descriptor        | Waypoint name         | Flyover          | Course °M (°T)        | Magnetic Variation    | Distance (NM)            | Turn direction     | Altitude (ft) | Speed (kt) | VPA/TCH (°/ft) | Remarks                                  | NAV SPEC |
| 010                                                                               | IF              | IF                     | RODGO                 | -                | -                     | 4°E                   | -                        | -                  | +4000         | -          | -              | -                                        | RNP APCH |
| 020                                                                               | FAF             | TF                     | LEVPA                 | -                | 312° (315.9°T)        | 4°E                   | 5.0                      | -                  | +3000         | -          | -              | -                                        |          |
| 030                                                                               | MAPt            | TF                     | RW31                  | Y                | 312° (315.8°T)        | 4°E                   | 8.5                      | -                  | -             | -          | 3.0 / 50.0     | -                                        |          |
| 040                                                                               | -               | TF                     | BO                    | Y                | 312° (315.7°T)        | 4°E                   | 5.8                      | -                  | +1300         | -          | -              | -                                        |          |
| 050                                                                               | -               | CF                     | SAL                   | -                | 179° (183.5° T)       | 4°E                   | -                        | L                  | -             | -210       | -              | True course 183.48° T                    |          |
| 060                                                                               | MAHF            | TF                     | SOGRA                 | -                | 218° (222.1°T)        | 4°E                   | 3.3                      | -                  | 3000          | -          | -              | -                                        |          |
| 070                                                                               | MAHF            | HM                     | SOGRA                 | -                | 037° (041.5°T)        | 4°E                   | 1 MIN                    | R                  | 3000          | -210       | -              | Holding above 3000 on ATC clearance only | RNAV 1   |
| RNAV HOLDING tabular description                                                  |                 |                        |                       |                  |                       |                       |                          |                    |               |            |                |                                          |          |
| Waypoint name                                                                     | Path Terminator | Inbound course °M (°T) | Leg time/ distance NM | Turn direction   | Minimum altitude (ft) | Maximum altitude (ft) | Speed limit MAX IAS (kt) | Magnetic variation | Remarks       | NAV SPEC   |                |                                          |          |
| RODGO                                                                             | HM              | 312° (315.9°T)         | 1MIN / -              | R                | 4000                  | -                     | 210                      | 4°E                | -             | RNAV 1     |                |                                          |          |
| SOGRA                                                                             | HM              | 037° (041.5°T)         | 1MIN / -              | R                | 3000                  | -                     | 210                      | 4°E                | -             |            |                |                                          |          |
| Waypoint coordinates                                                              |                 |                        |                       |                  |                       |                       |                          |                    |               |            |                |                                          |          |
| Waypoint name                                                                     |                 | WGS-84 latitude        |                       | WGS-84 longitude |                       |                       |                          |                    |               |            |                |                                          |          |
| BO                                                                                |                 | 441009.29N             |                       | 0151550.41E      |                       |                       |                          |                    |               |            |                |                                          |          |
| SAL                                                                               |                 | 435616.30N             |                       | 0151005.20E      |                       |                       |                          |                    |               |            |                |                                          |          |
| ANAKO                                                                             |                 | 435129.8N              |                       | 0152730.2E       |                       |                       |                          |                    |               |            |                |                                          |          |
| BEPTU                                                                             |                 | 440115.0N              |                       | 0154124.7E       |                       |                       |                          |                    |               |            |                |                                          |          |
| LEVPA                                                                             |                 | 435957.9N              |                       | 0152937.4E       |                       |                       |                          |                    |               |            |                |                                          |          |
| RODGO                                                                             |                 | 435622.6N              |                       | 0153426.9E       |                       |                       |                          |                    |               |            |                |                                          |          |
| SOGRA                                                                             |                 | 435350.2N              |                       | 0150702.6E       |                       |                       |                          |                    |               |            |                |                                          |          |
| RW31                                                                              |                 | 440601.29N             |                       | 0152126.65E      |                       |                       |                          |                    |               |            |                |                                          |          |

CHANGE: TMA's classification vertical limits; Parachuting zone added; Editorial.

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