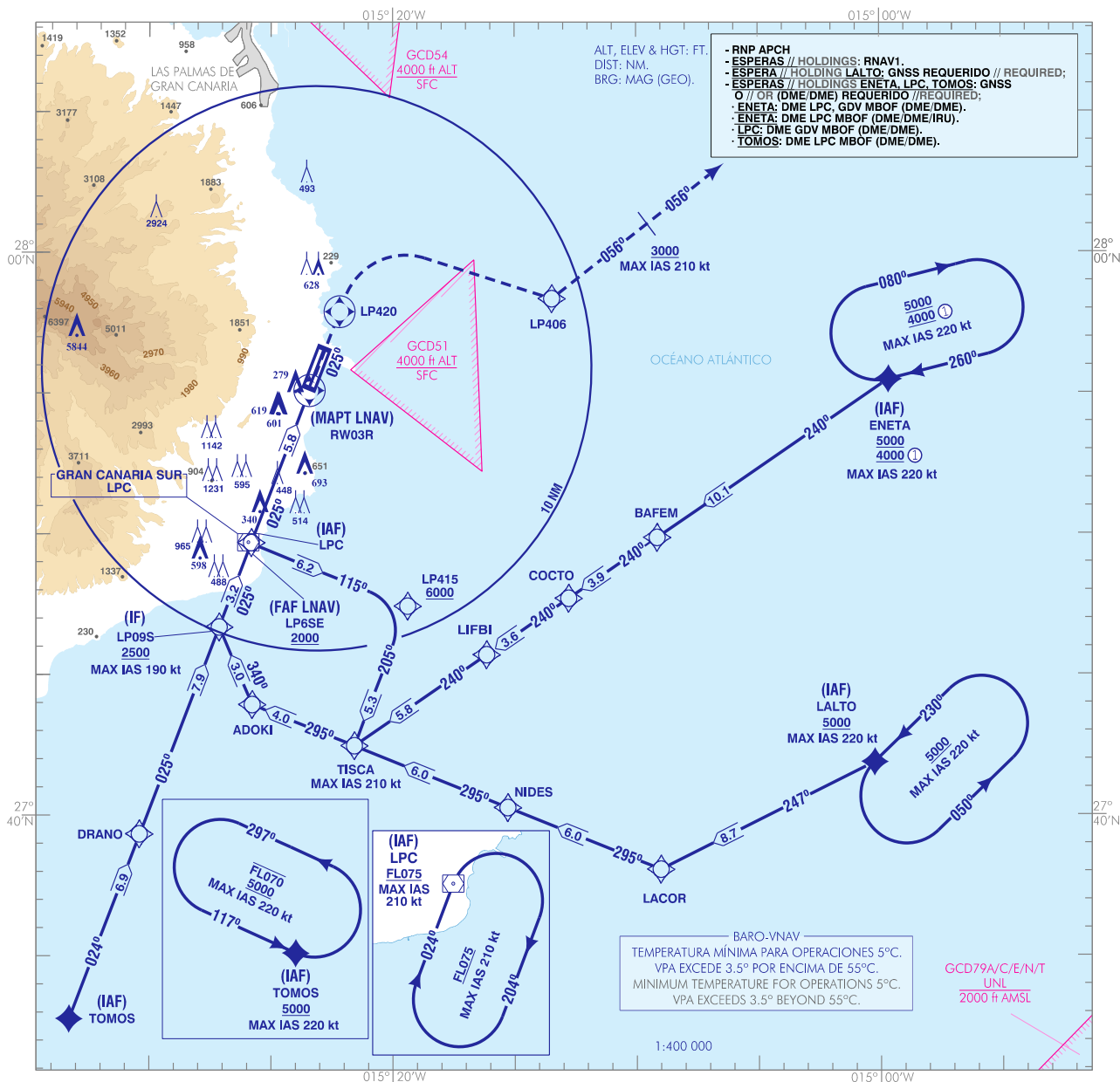


CARTA DE APROXIMACIÓN  
POR INSTRUMENTOS-OACI

ELEV AD  
77 ft  
VAR 3°W (2025)

APP 124.300 MHz  
TWR 118.300 MHz  
GMC 121.700 MHz  
ATIS 118.600 MHz

GRAN CANARIA  
RNP B



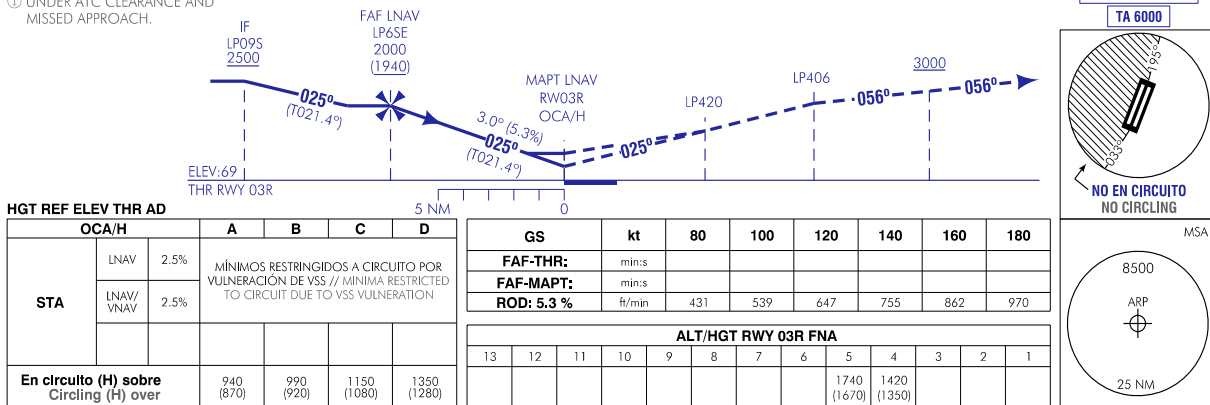
**FRUSTRADA:** SUBIR EN CURSO MAGNÉTICO 025° HASTA LP420. VIRAR A LA DERECHA DIRECTO A LP406. SEGUIR EN CURSO MAGNÉTICO 056° (IAS MAX 210 kt) HASTA ALCANZAR 3000. MANTENER 3000 Y ESPERAR INSTRUCCIONES RADAR.

**FRUSTRADA FALLO DE COMUNICACIONES:** SUBIR EN CURSO MAGNÉTICO 025° HASTA LP420. VIRAR A LA DERECHA DIRECTO A LP406. A SUFEM (IAS MAX 210 kt) A 3000. VIRAR A LA DERECHA A NINGU. A ENETA (IAS MAX 220 kt) ASCENDIENDO A 4000 PARA INTEGRARSE A LA ESPERA.

**MISSED APCH:** CLIMB ON MAGNETIC COURSE 025° UP TO LP420. TURN RIGHT DIRECT TO LP406. FOLLOW ON MAGNETIC COURSE 056° (MAX IAS 210 kt) TO REACH 3000. MAINTAIN 3000 AND WAIT FOR RADAR INSTRUCTIONS.

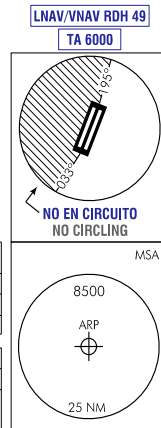
**MISSED APCH COMMUNICATIONS FAILURE:** CLIMB ON MAGNETIC COURSE 025° UP TO LP420. TURN RIGHT DIRECT TO LP406. TO SUFEM (MAX IAS 210 kt) TO 3000. TURN RIGHT TO NINGU. TO ENETA (MAX IAS 220 kt) CLIMBING TO 4000 TO JOIN THE HOLDING.

**NOTAS:**  
① BAJO AUTORIZACIÓN ATC Y FRUSTRADA.  
NOTES:  
① UNDER ATC CLEARANCE AND MISSED APPROACH.



| HGT REF ELEV THR AD                     |           |           |                                                                                                               |             |             |
|-----------------------------------------|-----------|-----------|---------------------------------------------------------------------------------------------------------------|-------------|-------------|
| STA                                     | OCA/H     | A         | B                                                                                                             | C           | D           |
|                                         | LNVA/VNAV | 2.5%      | MÍNIMOS RESTRINGIDOS A CIRCUITO POR VULNERACIÓN DE VSS // MINIMA RESTRICTED TO CIRCUIT DUE TO VSS VULNERATION |             |             |
| En circuito (H) sobre Circling (H) over |           | 940 (870) | 990 (920)                                                                                                     | 1150 (1080) | 1350 (1280) |

| GS                  | kt          | 80  | 100 | 120 | 140 | 160 | 180 |
|---------------------|-------------|-----|-----|-----|-----|-----|-----|
| FAF-THR:            | min:s       |     |     |     |     |     |     |
| FAF-MAPT:           | min:s       |     |     |     |     |     |     |
| ROD: 5.3 %          | ft/min      | 431 | 539 | 647 | 755 | 862 | 970 |
| ALT/HGT RWY 03R FNA |             |     |     |     |     |     |     |
| 13                  | 12          | 11  | 10  | 9   | 8   | 7   | 6   |
| 5                   | 4           | 3   | 2   | 1   |     |     |     |
| 1740 (1670)         | 1420 (1350) |     |     |     |     |     |     |



RENUMBERING, PBN BOX UPDATE.

CHANGES:

AERONAUTICAL DATABASE REQUIREMENTS

INSTRUMENT APPROACH PROCEDURES  
RNP B

WAYPOINTS COORDINATES

| WPT                                                         | COORD                |
|-------------------------------------------------------------|----------------------|
| ADOKI                                                       | 274355.9N 0152546.4W |
| BAFEM                                                       | 274951.6N 0150909.0W |
| COCTO                                                       | 274742.2N 0151247.0W |
| DRANO                                                       | 273920.4N 0153024.4W |
| ENETA (IAF)                                                 | 275529.6N 0145938.4W |
| NINGU                                                       | 275912.9N 0150310.6W |
| LACOR                                                       | 273803.7N 0150900.1W |
| LALTO (IAF)                                                 | 274153.2N 0150014.3W |
| LIFBI                                                       | 274542.0N 0151609.1W |
| LP09S (IF)                                                  | 274641.3N 0152707.6W |
| LP406                                                       | 275821.0N 0151328.1W |
| LP415                                                       | 274725.7N 0151923.5W |
| LP420                                                       | 275753.5N 0152211.0W |
| LP6SE (FAF)                                                 | 274941.2N 0152548.4W |
| LPC (IAF)                                                   | 274942.7N 0152556.1W |
| NIDES                                                       | 274016.0N 0151517.2W |
| RW03R (MAPt LNAV)                                           | 275505.5N 0152325.3W |
| SUFEM                                                       | 280255.9N 0150642.7W |
| TISCA                                                       | 274228.1N 0152134.7W |
| TOMOS (IAF)                                                 | 273251.0N 0153311.7W |
| Non-precision final approach (LNAV) - Slope (Descent angle) | 5.32% (3.05°)        |
| APV Baro final approach (LNAV/VNAV) - Slope (Descent angle) | 5.32% (3.05°)        |

CRITICAL DME

| FACILITY (ID)          | FREQ/CH              | COORD                      |
|------------------------|----------------------|----------------------------|
| GRAN CANARIA (GDV)     | 112.90 MHz<br>CH 76X | 280437.6297N 0152542.8144W |
| GRAN CANARIA SUR (LPC) | 115.00 MHz<br>CH 97X | 274943.2149N 0152555.9428W |

NOTES APPLICABLE TO ALL APPROACHES:

- RNP APCH.
- Subject to GCD51 activity.
- Speed control:
  - a. MAX IAS 250 kt to FL100 or below, except military flights on operational or air defence missions or when the operational characteristics do not allow for it.
  - b. If any different instructions are not received by ATC cross:
    - TOMOS, ENETA, BAFEM and LALTO at 220 kt,
    - LPC at 210 kt,
    - TISCA at 210 kt,

- 9.0 NM RW03R at IAS 190 kt, and
- 4.0 NM RW03R at IAS 160 kt.

c. In the event of being unable to comply with it (b), notify it to ATC at the first communication.

PROCEDURE TABULAR DESCRIPTION

| Serial number                                                     | Path Terminator | Waypoint identifier | Fly-over | Course/Track °M (°T) | Magnetic variation | Distance (NM) | Turn direction | Altitude (ft) | Speed (kt) | VPA/TCH (°/ft) | Navigation specification |
|-------------------------------------------------------------------|-----------------|---------------------|----------|----------------------|--------------------|---------------|----------------|---------------|------------|----------------|--------------------------|
| ENETA (IAF)                                                       |                 |                     |          |                      |                    |               |                |               |            |                |                          |
| 001                                                               | IF              | ENETA               | -        | -                    | +3.5               | -             | -              | +5000 (1)     | -220       | -              | RNP APCH                 |
| 002                                                               | TF              | BAFEM               | -        | 240 (236.3)          | +3.5               | 10.1          | -              | -             | -          | -              | RNP APCH                 |
| 003                                                               | TF              | COCTO               | -        | 240 (236.3)          | +3.5               | 3.9           | -              | -             | -          | -              | RNP APCH                 |
| 004                                                               | TF              | LIFBI               | -        | 240 (236.2)          | +3.5               | 3.6           | -              | -             | -          | -              | RNP APCH                 |
| 005                                                               | TF              | TISCA               | -        | 240 (236.2)          | +3.5               | 5.8           | -              | -             | -210       | -              | RNP APCH                 |
| 006                                                               | TF              | ADOKI               | -        | 295 (291.4)          | +3.5               | 4.0           | -              | -             | -          | -              | RNP APCH                 |
| 007                                                               | TF              | LP09S               | -        | 340 (336.4)          | +3.5               | 3.0           | -              | +2500         | -190       | -              | RNP APCH                 |
| 008                                                               | TF              | LP6SE               | -        | 025 (021.4)          | +3.5               | 3.2           | -              | +2000         | -          | -              | RNP APCH                 |
| 009                                                               | TF              | RW03R               | Y        | 025 (021.4)          | +3.5               | 5.8           | -              | +118          | -          | 3.0/49         | RNP APCH                 |
| 010                                                               | CF              | LP420               | Y        | 025 (021.4)          | +3.5               | -             | -              | -             | -          | -              | RNP APCH                 |
| 011                                                               | DF              | LP406               | -        | -                    | +3.5               | -             | R              | -             | -          | -              | RNP APCH                 |
| 012                                                               | CA              | -                   | -        | 056 (052.6)          | +3.5               | -             | -              | +3000         | -210       | -              | RNP APCH                 |
| 013                                                               | VM              | -                   | -        | 056 (052.6)          | +3.5               | -             | -              | @3000         | -          | -              | RNP APCH                 |
| MISSED APCH COMMUNICATIONS FAILURE                                |                 |                     |          |                      |                    |               |                |               |            |                |                          |
| 010                                                               | CF              | LP420               | Y        | 025 (021.4)          | +3.5               | -             | -              | -             | -          | -              | RNP APCH                 |
| 011                                                               | DF              | LP406               | -        | -                    | +3.5               | -             | R              | -             | -          | -              | RNP APCH                 |
| 012                                                               | TF              | SUFEM               | -        | 056 (052.6)          | +3.5               | 7.5           | -              | @3000         | -210       | -              | RNP APCH                 |
| 013                                                               | TF              | NINGU               | -        | 143 (139.8)          | +3.5               | 4.9           | -              | -             | -          | -              | RNP APCH                 |
| 014                                                               | TF              | ENETA               | -        | 143 (139.8)          | +3.5               | 4.9           | -              | @4000         | -220       | -              | RNP APCH                 |
| Minimum altitude 4000 ft under ATC clearance and missed approach. |                 |                     |          |                      |                    |               |                |               |            |                |                          |

| Serial number                      | Path Terminator | Waypoint identifier | Fly-over | Course/Track °M (°T) | Magnetic variation | Distance (NM) | Turn direction | Altitude (ft) | Speed (kt) | VPA/TCH (°/ft) | Navigation specification |
|------------------------------------|-----------------|---------------------|----------|----------------------|--------------------|---------------|----------------|---------------|------------|----------------|--------------------------|
| LALTO (IAF)                        |                 |                     |          |                      |                    |               |                |               |            |                |                          |
| 001                                | IF              | LALTO               | -        | -                    | +3.5               | -             | -              | +5000         | -220       | -              | RNP APCH                 |
| 002                                | TF              | LACOR               | -        | 247 (243.9)          | +3.5               | 8.7           | -              | -             | -          | -              | RNP APCH                 |
| 003                                | TF              | NIDES               | -        | 295 (291.5)          | +3.5               | 6.0           | -              | -             | -          | -              | RNP APCH                 |
| 004                                | TF              | TISCA               | -        | 295 (291.5)          | +3.5               | 6.0           | -              | -             | -210       | -              | RNP APCH                 |
| 005                                | TF              | ADOKI               | -        | 295 (291.4)          | +3.5               | 4.0           | -              | -             | -          | -              | RNP APCH                 |
| 006                                | TF              | LP09S               | -        | 340 (336.4)          | +3.5               | 3.0           | -              | +2500         | -190       | -              | RNP APCH                 |
| 007                                | TF              | LP6SE               | -        | 025 (021.4)          | +3.5               | 3.2           | -              | +2000         | -          | -              | RNP APCH                 |
| 008                                | TF              | RW03R               | Y        | 025 (021.4)          | +3.5               | 5.8           | -              | +118          | -          | 3.0/49         | RNP APCH                 |
| 009                                | CF              | LP420               | Y        | 025 (021.4)          | +3.5               | -             | -              | -             | -          | -              | RNP APCH                 |
| 010                                | DF              | LP406               | -        | -                    | +3.5               | -             | R              | -             | -          | -              | RNP APCH                 |
| 011                                | CA              | -                   | -        | 056 (052.6)          | +3.5               | -             | -              | +3000         | -210       | -              | RNP APCH                 |
| 012                                | VM              | -                   | -        | 056 (052.6)          | +3.5               | -             | -              | @3000         | -          | -              | RNP APCH                 |
| MISSED APCH COMMUNICATIONS FAILURE |                 |                     |          |                      |                    |               |                |               |            |                |                          |
| 009                                | CF              | LP420               | Y        | 025 (021.4)          | +3.5               | -             | -              | -             | -          | -              | RNP APCH                 |
| 010                                | DF              | LP406               | -        | -                    | +3.5               | -             | R              | -             | -          | -              | RNP APCH                 |
| 011                                | TF              | SUFEM               | -        | 056 (052.6)          | +3.5               | 7.5           | -              | @3000         | -210       | -              | RNP APCH                 |
| 012                                | TF              | NINGU               | -        | 143 (139.8)          | +3.5               | 4.9           | -              | -             | -          | -              | RNP APCH                 |
| 013                                | TF              | ENETA               | -        | 143 (139.8)          | +3.5               | 4.9           | -              | @4000         | -220       | -              | RNP APCH                 |

| Serial number                      | Path Terminator | Waypoint identifier | Fly-over | Course/Track °M (°T) | Magnetic variation | Distance (NM) | Turn direction | Altitude (ft) | Speed (kt) | VPA/TCH (°/ft) | Navigation specification |
|------------------------------------|-----------------|---------------------|----------|----------------------|--------------------|---------------|----------------|---------------|------------|----------------|--------------------------|
| LPC (IAF)                          |                 |                     |          |                      |                    |               |                |               |            |                |                          |
| 001                                | IF              | LPC                 | -        | -                    | +3.5               | -             | -              | +FL075        | -210       | -              | RNP APCH                 |
| 002                                | TF              | LP415               | -        | 115 (111.4)          | +3.5               | 6.2           | -              | +6000         | -          | -              | RNP APCH                 |
| 003                                | TF              | TISCA               | -        | 205 (201.4)          | +3.5               | 5.3           | -              | -             | -          | -              | RNP APCH                 |
| 004                                | TF              | ADOKI               | -        | 295 (291.4)          | +3.5               | 4.0           | -              | -             | -          | -              | RNP APCH                 |
| 005                                | TF              | LP09S               | -        | 340 (336.4)          | +3.5               | 3.0           | -              | +2500         | -190       | -              | RNP APCH                 |
| 006                                | TF              | LP6SE               | -        | 025 (021.4)          | +3.5               | 3.2           | -              | +2000         | -          | -              | RNP APCH                 |
| 007                                | TF              | RW03R               | Y        | 025 (021.4)          | +3.5               | 5.8           | -              | +118          | -          | 3.0/49         | RNP APCH                 |
| 008                                | CF              | LP420               | Y        | 025 (021.4)          | +3.5               | -             | -              | -             | -          | -              | RNP APCH                 |
| 009                                | DF              | LP406               | -        | -                    | +3.5               | -             | R              | -             | -          | -              | RNP APCH                 |
| 010                                | CA              | -                   | -        | 056 (052.6)          | +3.5               | -             | -              | +3000         | -210       | -              | RNP APCH                 |
| 011                                | VM              | -                   | -        | 056 (052.6)          | +3.5               | -             | -              | @3000         | -          | -              | RNP APCH                 |
| MISSED APCH COMMUNICATIONS FAILURE |                 |                     |          |                      |                    |               |                |               |            |                |                          |
| 008                                | CF              | LP420               | Y        | 025 (021.4)          | +3.5               | -             | -              | -             | -          | -              | RNP APCH                 |
| 009                                | DF              | LP406               | -        | -                    | +3.5               | -             | R              | -             | -          | -              | RNP APCH                 |
| 010                                | TF              | SUFEM               | -        | 056 (052.6)          | +3.5               | 7.5           | -              | @3000         | -210       | -              | RNP APCH                 |
| 011                                | TF              | NINGU               | -        | 143 (139.8)          | +3.5               | 4.9           | -              | -             | -          | -              | RNP APCH                 |
| 012                                | TF              | ENETA               | -        | 143 (139.8)          | +3.5               | 4.9           | -              | @4000         | -220       | -              | RNP APCH                 |

| Serial number                      | Path Terminator | Waypoint identifier | Fly-over | Course/Track °M (°T) | Magnetic variation | Distance (NM) | Turn direction | Altitude (ft) | Speed (kt) | VPA/TCH (°/ft) | Navigation specification |
|------------------------------------|-----------------|---------------------|----------|----------------------|--------------------|---------------|----------------|---------------|------------|----------------|--------------------------|
| TOMOS (IAF)                        |                 |                     |          |                      |                    |               |                |               |            |                |                          |
| 001                                | IF              | TOMOS               | -        | -                    | +3.5               | -             | -              | +5000         | -220       | -              | RNP APCH                 |
| 002                                | TF              | DRANO               | -        | 024 (020.9)          | +3.5               | 6.9           | -              | -             | -          | -              | RNP APCH                 |
| 003                                | TF              | LP09S               | -        | 025 (021.7)          | +3.5               | 7.9           | -              | +2500         | -190       | -              | RNP APCH                 |
| 004                                | TF              | LP6SE               | -        | 025 (021.4)          | +3.5               | 3.2           | -              | +2000         | -          | -              | RNP APCH                 |
| 005                                | TF              | RW03R               | Y        | 025 (021.4)          | +3.5               | 5.8           | -              | +118          | -          | 3.0/49         | RNP APCH                 |
| 006                                | CF              | LP420               | Y        | 025 (021.4)          | +3.5               | -             | -              | -             | -          | -              | RNP APCH                 |
| 007                                | DF              | LP406               | -        | -                    | +3.5               | -             | R              | -             | -          | -              | RNP APCH                 |
| 008                                | CA              | -                   | -        | 056 (052.6)          | +3.5               | -             | -              | +3000         | -210       | -              | RNP APCH                 |
| 009                                | VM              | -                   | -        | 056 (052.6)          | +3.5               | -             | -              | @3000         | -          | -              | RNP APCH                 |
| MISSED APCH COMMUNICATIONS FAILURE |                 |                     |          |                      |                    |               |                |               |            |                |                          |
| 006                                | CF              | LP420               | Y        | 025 (021.4)          | +3.5               | -             | -              | -             | -          | -              | RNP APCH                 |
| 007                                | DF              | LP406               | -        | -                    | +3.5               | -             | R              | -             | -          | -              | RNP APCH                 |
| 008                                | TF              | SUFEM               | -        | 056 (052.6)          | +3.5               | 7.5           | -              | @3000         | -210       | -              | RNP APCH                 |
| 009                                | TF              | NINGU               | -        | 143 (139.8)          | +3.5               | 4.9           | -              | -             | -          | -              | RNP APCH                 |
| 010                                | TF              | ENETA               | -        | 143 (139.8)          | +3.5               | 4.9           | -              | @4000         | -220       | -              | RNP APCH                 |

HOLDING PATTERN

| Path terminator | Waypoint identifier | Course/Track °M (°T) | Magnetic variation | Distance/ Outbound time | Turn direction | MNM altitude (ft) | MAX altitude (ft) | Speed (kt) | Navigation specification |
|-----------------|---------------------|----------------------|--------------------|-------------------------|----------------|-------------------|-------------------|------------|--------------------------|
| HM              | ENETA (1)           | 260 (256.4)          | +3.5               | 1                       | R              | 5000 (2)          | -                 | -220       | RNAV1                    |
| HM              | LALTO (3)           | 230 (226.4)          | +3.5               | 1                       | L              | 5000              | -                 | -220       | RNAV1                    |
| HM              | LPC (4)             | 024 (020.9)          | +3.5               | 1                       | R              | FL075             | -                 | -210       | RNAV1                    |

| Path terminator                                                                                                                                                                                                                                                                                                                                                                                                                                   | Waypoint identifier | Course/Track °M (°T) | Magnetic variation | Distance/ Outbound time | Turn direction | MNM altitude (ft) | MAX altitude (ft) | Speed (kt) | Navigation specification |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|--------------------|-------------------------|----------------|-------------------|-------------------|------------|--------------------------|
| HM                                                                                                                                                                                                                                                                                                                                                                                                                                                | TOMOS (5)           | 117 (114.0)          | +3.5               | 1                       | L              | 5000              | FL070             | -220       | RNAV1                    |
| <div>(1) GNSS or (DME/DME) or (DME/DME/IRU) required;<br/>- DME LPC, GDV must be operational for (DME/DME).<br/>- DME LPC must be operational for (DME/DME/IRU).<br/>(2) Minimum altitude 4000 ft under ATC clearance and missed approach.<br/>(3) GNSS required.<br/>(4) GNSS or (DME/DME) required;<br/>- DME GDV must be operational for (DME/DME).<br/>(5) GNSS or (DME/DME) required;<br/>- DME LPC must be operational for (DME/DME).</div> |                     |                      |                    |                         |                |                   |                   |            |                          |