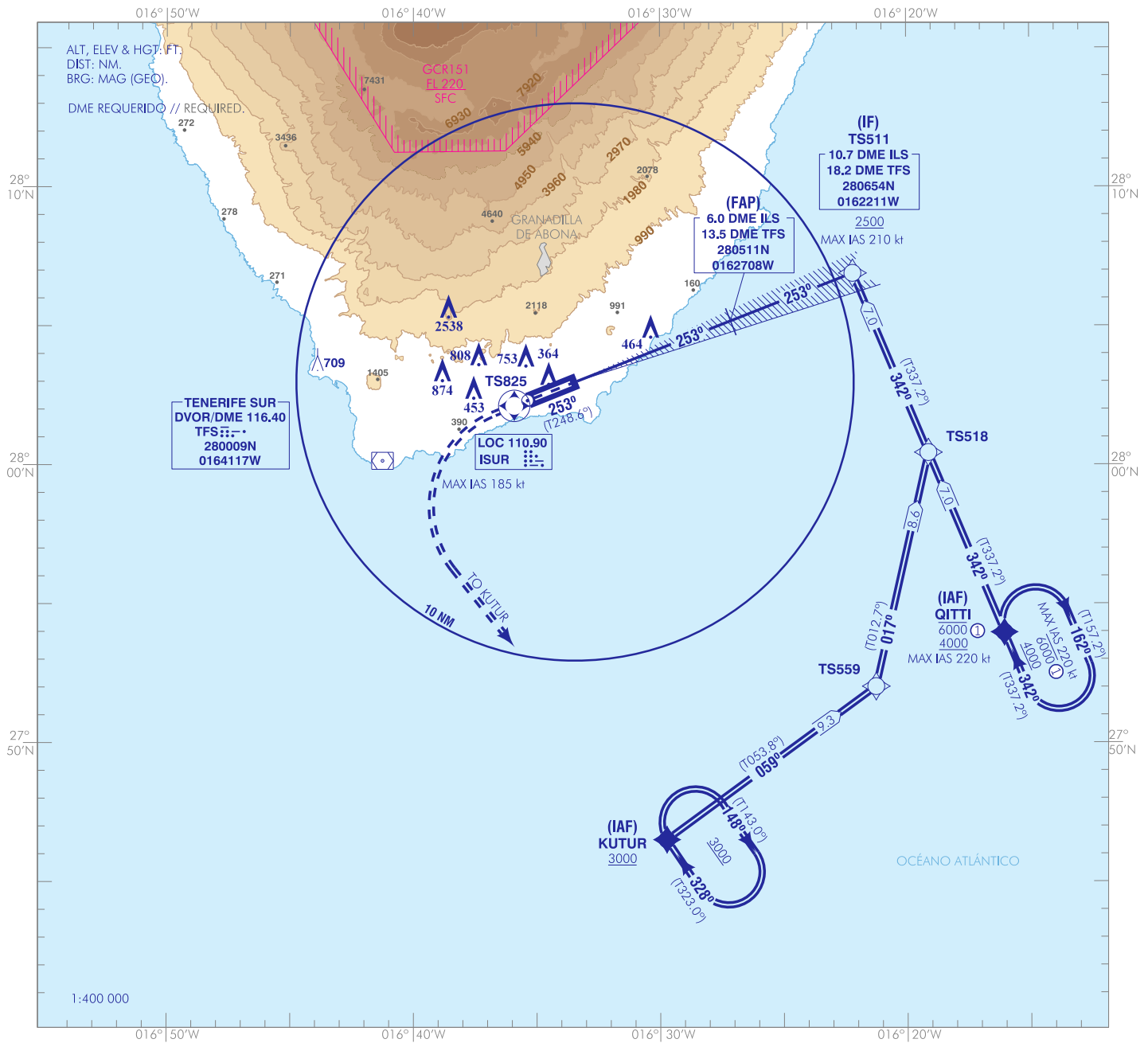


## CARTA DE APROXIMACIÓN POR INSTRUMENTOS-OACI

ELEV AD  
209  
VAR 5°W (2020)

APP 127.700 MHz  
TWR 119.000 MHz  
GMC 121.900 MHz  
ATIS 118.675 MHz

TENERIFE SUR  
ILS Z  
RWY 25



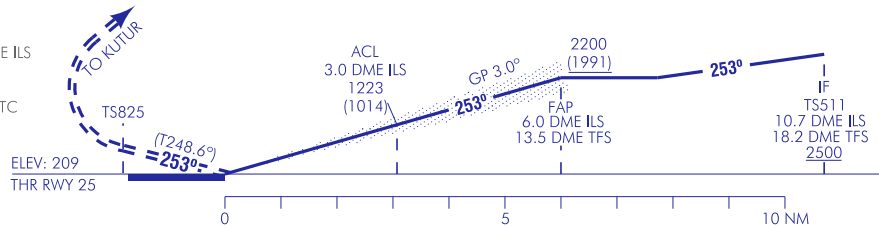
**FRUSTRADA:** SUBIR EN CURSO MAGNÉTICO 253° HASTA TS825. VIRAR A LA IZQUIERDA (IAS MAX 185 kt) DIRECTO A KUTUR ASCENDIENDO A 3000 PARA INTEGRARSE A LA ESPERA.  
**MISSED APCH:** CLIMB ON MAGNETIC COURSE 253° UP TO TS825. TURN LEFT (MAX IAS 185 kt) DIRECT TO KUTUR CLIMBING UP TO 3000 AND HOLD.

① NIVEL MÁXIMO UTILIZABLE EXCEPTO AUTORIZACIÓN ATC.  
- AVISO: RIESGO CIZALLADURA POSITIVA (+15, +30kt) POR DEBAJO DE 1600 CON VIENTO EN SUPERFICIE SUPERIOR A 15 kt CON DIRECCIÓN SW-NW.  
- PARA LOS TRAMOS: QITTI - TS518 - TS511; KUTUR - TS559 - TS518 - TS511; TS825 - KUTUR RNAV1 REQUERIDA, GNSS REQUERIDO.  
- CONTROL DE VELOCIDAD:

1. SI NO SE RECIBEN INSTRUCCIONES DIFERENTES DEL ATC, CRUZAR  
12.0 DME ILS A IAS 210 kt, 9.0 DME ILS A IAS 190 kt Y 4.0 DME ILS A IAS 160 kt  
2. SI NO PUEDE CUMPLIR, NOTIFIQUELO AL ATC EN PRIMERA COMUNICACIÓN.

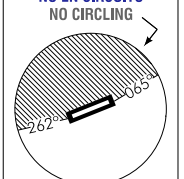
① MAXIMUM USABLE LEVEL EXCEPT ATC CLEARANCE.  
- WARNING: RISK OF POSITIVE SHEARING (+15, +30kt) BELOW 1600 WITH SURFACE WIND OVER 15kt, AND SW-NW DIRECTION.  
- FOR THE SEGMENTS: QITTI - TS518 - TS511; KUTUR - TS559 - TS518 - TS511; TS825 - KUTUR RNAV1 REQUIRED, GNSS REQUIRED  
- SPEED CONTROL:

1. IF NO DIFFERENT INSTRUCTIONS ARE RECEIVED FROM ATC, CROSS 12.0 DME ILS AT 210 kt IAS, 9.0 DME ILS AT 190 kt IAS AND 4.0 DME ILS AT 160 kt IAS.
2. IF UNABLE TO COMPLY, NOTIFY ATC IN INITIAL CALL.



ILS RDH 51 TA 6000

**NO EN CIRCUITO**

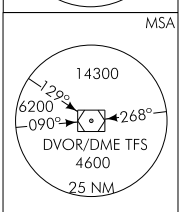


NO OFZ RWY 25  
HGT REF ELEV THR RWY 25

| OCA/H                    |       | A             | B             | C              | D            |
|--------------------------|-------|---------------|---------------|----------------|--------------|
| STA                      | CAT I | 417<br>(209)  | 429<br>(221)  | 437<br>(229)   | 447<br>(239) |
|                          |       |               |               |                |              |
|                          |       |               |               |                |              |
| En círculo (H) sobre 209 |       | 1070<br>(870) | 1160<br>(960) | 1290<br>(1090) |              |

| GS              |  |  | kt     | 80   | 100  | 120  | 140  | 160  | 180  |
|-----------------|--|--|--------|------|------|------|------|------|------|
| FAP-THR: 6.0 NM |  |  | min:s  | 4:30 | 3:36 | 3:00 | 2:34 | 2:15 | 2:00 |
| FAP-MAPT:       |  |  | min:s  |      |      |      |      |      |      |
| ROD: 5.2 %      |  |  | ft/min | 425  | 531  | 637  | 743  | 849  | 955  |

| ALT/HGT DME (ILS) FNA |    |    |    |   |   |   |   |                |                |                |              |              |
|-----------------------|----|----|----|---|---|---|---|----------------|----------------|----------------|--------------|--------------|
| 13                    | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5              | 4              | 3              | 2            | 1            |
|                       |    |    |    |   |   |   |   | 1880<br>(1670) | 1550<br>(1340) | 1230<br>(1020) | 910<br>(700) | 580<br>(380) |



CAMBIO: CAMBIO NOMBRE ARAJE POR QITTI.  
CHANGES: NAME CHANGE ARAJE BY QITTI.

WEF 16-MAY-24 (AIRAC AMDT 04/24)

AIP-ESPAÑA

AD 2-GCTS IAC 7.1

TENERIFE SUR AD

REQUISITOS DE LA BASE DE DATOS AERONÁUTICA  
AERONAUTICAL DATABASE REQUIREMENTS

PROCEDIMIENTOS DE APROXIMACIÓN POR INSTRUMENTOS // INSTRUMENT APPROACH PROCEDURES

ILS Z RWY 25

| COORDENADAS WAYPOINTS // WAYPOINTS COORDINATES |                      |
|------------------------------------------------|----------------------|
| WPT                                            | COORD                |
| QITTI (IAF)                                    | 275358.1N 0161603.1W |
| KUTUR (IAF)                                    | 274630.8N 0162943.9W |
| TS511 (IF)                                     | 280653.6N 0162210.8W |
| TS518                                          | 280026.3N 0161906.8W |
| TS559                                          | 275201.4N 0162115.2W |
| TS825                                          | 280207.6N 0163554.4W |

| DME CRÍTICO // CRITICAL DME       |                       |                      |
|-----------------------------------|-----------------------|----------------------|
| INSTALACIÓN (ID)<br>FACILITY (ID) | FREQ/CH               | COORD                |
| TENERIFE NORTE (TFN)              | 117.70 MHz<br>CH 124X | 283212.9N 0161607.2W |

| PUNTO<br>POINT                                                                                                        | LAT       | LONG       | AZIMUT VERDADERO<br>TRUE BEARING | DISTANCIA DME<br>DME DISTANCE<br>(NM) |
|-----------------------------------------------------------------------------------------------------------------------|-----------|------------|----------------------------------|---------------------------------------|
| TS511 (IF)                                                                                                            | 280653.6N | 0162210.8W | 068.56°(LOC ISUR)                | 10.70 DME ILS                         |
| FAP                                                                                                                   | 280510.6N | 0162707.9W | 068.56°(LOC ISUR)                | 5.99 DME ILS                          |
| Aproximación final de precisión-Pendiente (Ángulo de descenso) //<br>Precision final approach - Slope (Descent angle) |           |            |                                  | 5.24% (3.00°)                         |

| DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO<br>PROCEDURE TABULAR DESCRIPTION |                                              |                                                            |                        |                                         |                                           |                            |                                       |                          |                         |                |                                                          |
|------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|------------------------|-----------------------------------------|-------------------------------------------|----------------------------|---------------------------------------|--------------------------|-------------------------|----------------|----------------------------------------------------------|
| Número de serie<br>Serial number                                       | Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso / Derrota<br>Course/Track °M (°T) | Variación magnética<br>Magnetic variation | Distancia<br>Distance (NM) | Dirección de viraje<br>Turn direction | Altitud<br>Altitude (ft) | Velocidad<br>Speed (kt) | VPA/TCH (°/ft) | Especificación de navegación<br>Navegation specification |
| QITTI (IAF)                                                            |                                              |                                                            |                        |                                         |                                           |                            |                                       |                          |                         |                |                                                          |
| 001                                                                    | IF                                           | QITTI                                                      | -                      | -                                       | +4.7                                      | -                          | -                                     | -6000(1)<br>+4000        | -220                    | -              | RNAV 1                                                   |
| 002                                                                    | TF                                           | TS518                                                      | -                      | 342 (337.2)                             | +4.7                                      | 7.0                        | -                                     | -                        | -                       | -              | RNAV 1                                                   |
| 003                                                                    | TF                                           | TS511                                                      | -                      | 342 (337.2)                             | +4.7                                      | 7.0                        | -                                     | +2500                    | -210                    | -              | RNAV 1                                                   |
| APROXIMACIÓN FRUSTRADA // MISSED APCH                                  |                                              |                                                            |                        |                                         |                                           |                            |                                       |                          |                         |                |                                                          |
| 001                                                                    | CF                                           | TS825                                                      | Y                      | 253 (248.6)                             | +4.7                                      | -                          | -                                     | -                        | -                       | -              | RNAV 1                                                   |
| 002                                                                    | DF                                           | KUTUR                                                      | -                      | -                                       | +4.7                                      | -                          | L                                     | @3000                    | -185                    | -              | RNAV 1                                                   |
| (1) Excepto autorización ATC. // EXC ATC clearance.                    |                                              |                                                            |                        |                                         |                                           |                            |                                       |                          |                         |                |                                                          |
| KUTUR (IAF)                                                            |                                              |                                                            |                        |                                         |                                           |                            |                                       |                          |                         |                |                                                          |
| APROXIMACIÓN INICIAL                                                   |                                              |                                                            |                        |                                         |                                           |                            |                                       |                          |                         |                |                                                          |
| 001                                                                    | IF                                           | KUTUR                                                      | -                      | -                                       | +4.7                                      | -                          | -                                     | +3000                    | -                       | -              | RNAV 1                                                   |
| 002                                                                    | TF                                           | TS559                                                      | -                      | 059 (053.8)                             | +4.7                                      | 9.3                        | -                                     | -                        | -                       | -              | RNAV 1                                                   |
| 003                                                                    | TF                                           | TS518                                                      | -                      | 017 (012.7)                             | +4.7                                      | 8.6                        | -                                     | -                        | -                       | -              | RNAV 1                                                   |
| 004                                                                    | TF                                           | TS511                                                      | -                      | 342 (337.2)                             | +4.7                                      | 7.0                        | -                                     | +2500                    | -210                    | -              | RNAV 1                                                   |
| APROXIMACIÓN FRUSTRADA // MISSED APCH                                  |                                              |                                                            |                        |                                         |                                           |                            |                                       |                          |                         |                |                                                          |
| 001                                                                    | CF                                           | TS825                                                      | Y                      | 253 (248.6)                             | +4.7                                      | -                          | -                                     | -                        | -                       | -              | RNAV 1                                                   |
| 002                                                                    | DF                                           | KUTUR                                                      | -                      | -                                       | +4.7                                      | -                          | L                                     | @3000                    | -185                    | -              | RNAV 1                                                   |

| CIRCUITOS DE ESPERA // HOLDING PATTERN                                                                                                                     |                                                            |                        |                                       |                                           |                                                                   |                                       |                                   |                                  |                         |                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------|---------------------------------------|-------------------------------------------|-------------------------------------------------------------------|---------------------------------------|-----------------------------------|----------------------------------|-------------------------|----------------------------------------------------------|
| Descriptor de trayectoria<br>Path Terminator                                                                                                               | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso/Derrota<br>Course/Track °M (°T) | Variación magnética<br>Magnetic variation | Distancia/<br>Tiempo de alejamiento<br>Distance/<br>Outbound time | Dirección de viraje<br>Turn direction | Altitud MNM/<br>MNM altitude (ft) | Altitud MAX<br>MAX altitude (ft) | Velocidad<br>Speed (kt) | Especificación de navegación<br>Navigation specification |
| HM                                                                                                                                                         | QITTI                                                      | -                      | 342 (337.2)                           | +4.7                                      | 1 min                                                             | R                                     | +4000                             | 6000(1)                          | -220                    | RNAV1                                                    |
| HM                                                                                                                                                         | KUTUR                                                      | -                      | 328 (323.0)                           | +4.7                                      | 1 min                                                             | R                                     | +3000                             | -                                | -                       | RNAV1                                                    |
| (1) Excepto autorización ATC. // EXC ATC clearance.<br>RNAV1 REQUERIDA // REQUIRED<br>RNAV1 (DME/DME) DME TFN CRÍTICO. // RNAV1 (DME/DME) DME TFN CRITICAL |                                                            |                        |                                       |                                           |                                                                   |                                       |                                   |                                  |                         |                                                          |

**INTENCIONADAMENTE EN BLANCO**  
**INTENTIONALLY BLANK**