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Airport Information For GCTS

Terminal Charts For GCTS

Revision Letter For Cycle 13-2016

Change Notices

Notebook

General Information

Location: TENERIFE-SOUTH XJE
ICAO/IATA: GCTS / TFS
Lat/Long: N28° 02.67', W016° 34.35'
Elevation: 209 ft

Airport Use: Public
Daylight Savings: Observed
UTC Conversion: +0:00 = UTC
Magnetic Variation: 5.0° W

Fuel Types: Jet A-1
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 0610 Z
Sunset: 2005 Z

Runway Information

Runway: 08
Length x Width: 10499 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 188 ft
Lighting: Edge, ALS, Centerline

Runway: 26
Length x Width: 10499 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 209 ft
Lighting: Edge, ALS, Centerline

Communication Information

ATIS: 118.675
Tenerife-South Tower: 121.750
Tenerife-South Tower: 121.900
Tenerife-South Tower: 119.000
Tenerife-South Approach: 128.125 Secondary
Tenerife-South Approach: 127.700

GCTS/TFS
REINA SOFIA

13 MAY 16

JEYPESEN

10-1P

Eff 26 May

TENERIFE-SOUTH, CANARY IS

AIRPORT BRIEFING

1. GENERAL

1.1. ATIS

D-ATIS 118.675

1.2. NOISE ABATEMENT PROCEDURES

1.2.1. RUN-UP TESTS

All engine tests will be carried out at idle power, at all apron stands.

Engine tests at full power will only be made on the holding bay A2.

Engine tests higher than idle regime are forbidden between 0000-0600LT.

Exceptions are allowed only, if it is essential for the ACFT of the departing flight and its estimated take-off time is scheduled between 0400-0600LT.

Clearance for engine testing must be requested to the operations centre (CEOPS).

1.3. STANDSTILL OF OPERATIONS IN THE MOVEMENT AREA PROCEDURE (PPOAM)

1.3.1. CRITERIA FOR APPLICATION AND CANCELLATION

Standstill of operations in the movement area procedure is available when RVR is below 800m with the following phases:

Phase I: When visibility is equal to or more than 800m and less than 1000m, warning on operations.

Phase II: When visibility is less than 800m, standstill of operations.

Phase III: When visibility is equal to or more than 800m and trend towards improvement, resumption of operations.

1.3.2. UNCERTAINTY ABOUT POSITION IN THE MANOEUVRING AREA

When in doubt about the position of the ACFT in relation to the manoeuvring area:

- If a pilot recognizes that the ACFT is not on a RWY, he shall immediately stop the ACFT and notify this circumstance to ATC.
- If a pilot recognizes that the ACFT is on a RWY, he shall immediately notify this circumstance to ATC (including the last known position) and vacate the RWY as soon as possible, if it is possible to locate an appropriate TWY nearby, unless ATC indicates otherwise and then shall stop the ACFT.

1.3.3. BREAKDOWN OF AN ACFT

Notify the situation to ATC and await the arrival of assistance. In case the ACFT is on a RWY, if possible and unless ATC should indicate otherwise, a pilot shall vacate the RWY.

1.3.4. LOSS OF VISUAL CONTACT BETWEEN MOVING ELEMENTS

In the event of loss of visual contact with another ACFT or a vehicle with which own separation is maintained, ATC shall be informed immediately and the ACFT shall stop.

1.3.5. COMMUNICATIONS FAILURE

Arriving ACFT

If the ACFT has just landed, it shall maintain position while vacating the RWY and await the arrival of an assistance vehicle.

Departing ACFT

The ACFT shall continue by the assigned route and stop at the limit of ATC clearance, taking extreme caution, where it shall maintain position and await the arrival of an assistance vehicle.

If the ACFT already has an ATC taxiing clearance, it shall continue by the assigned route to the limit of that clearance, taking extreme caution, where it shall maintain its position and await the arrival of an assistance vehicle.

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13 MAY 16

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10-1P1

Eff 26 May

AIRPORT BRIEFING

TENERIFE-SOUTH, CANARY IS

1. GENERAL

1.4. TAXI PROCEDURES

TWY B-2 MAX wingspan 167'/51m and MAX length of 164'/50m.

Gate D4 MAX wingspan 171'/52m, except ACFT to/from stand F1.

Gate D5 MAX wingspan 171'/52m, except ACFT to/from stand I1.

Apron taxilane between gates D-3 and D-5 MAX wingspan 171'/52m.

TWY B-6 MAX length of 190'/58m.

Entry to stands F8 and F5A for ACFT code D or higher shall be carried out via gates D-1 or D-2.

The entry to stand F1 for code letter D ACFT or higher, shall be carried out via gate D-4.

TWYs for GA MAX wingspan 72'/22m.

ACFT vacating RWY take precedence over those taxiing on TWY T.

1.5. PARKING INFORMATION

1.5.1. GENERAL

Stands F1 thru F5A, F6, F7 and F8 equipped with visual docking guidance system.

On stands F1 thru F8, H2 thru H10, I1 thru I11A and J12 push-back required.

1.5.2. USE OF APU

Use of APU is forbidden on stands F1 thru F8 in the period between 2 MIN after blocks for ARR and 5 min before off-blocks for DEP.

APU may only be used when 400 Hz facilities and mobile units are not operative. ACFT with inoperative APU must communicate it to CEOPS.

1.6. OTHER INFORMATION

RWY 08 right-hand circuit.

Birds.

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REINA SOFIA

JEPPesen

13 MAY 16

(10-1P2)

Eff 26 May

AIRPORT BRIEFING

TENERIFE-SOUTH, CANARY IS

2. ARRIVAL

2.1. NOISE ABATEMENT PROCEDURES

Landing and approach procedures on visual meteorological conditions shall be performed with an angle equal to or higher than the ILS GP or PAPI of each RWY.

At night time, visual approaches shall avoid overflying inhabited areas and visual approaches to RWY 26 from west via Ganta Int or TFS VORDME shall not initiate the left turn before TFS 10 DME.

2.2. RWY OPERATIONS

ACFT shall report vacating RWY.

Four-engined wide-bodied ACFT shall leave RWY 08 via TWY B-7 and RWY 26 via TWY B-1.

2.3. TAXI PROCEDURES

In general, taxiing between the apron gate and the stand shall be carried out accompanied by Follow-me car. The supervision of this vehicle is essential for docking or parking.

2.4. OTHER INFORMATION**2.4.1. WIND SHEAR**

Caution: Risk of wind shear on final APCH.

Low level wind shear alert system (LLWAS) available.

Orographical wind shear in trade regime, mainly affecting RWY 08

Under trade wind conditions (NE-E), due to the topography of the island, the occurrence of orographical wind shear is frequent.

Wind shear is appreciable on final APCH (below 1600') to the RWY 08 or in RWY, positive and with greater frequency in the summer. The wind intensities in surface must be 15 KT and NE-E direction, for the effect (positive wind shear of 15 to 35 kt) to appear. On APCH to RWY 08, below 2100', the wind is usually variable or with intensities of the order of 5-10 KT and SW-NW direction (tailwind), becoming NE-E direction (nose wind) and with intensities of at least 10 KT when finding wind shear, around 1000-500' AGL.

This wind shear effect is most obvious in trade wind (NE-E) situations with input of Saharan air, the effect of turbulence may also occur on final APCH.

Values of temperature above 30° C can give an indication of these situations.

It is important to notice potential signs of inversion, which usually also indicate these advections of warm air.

With wind intensities over 25 KT, occurrence of mechanical turbulence is usually more frequent than the wind shear on final APCH.

Orographical wind shear situation of low pressure system at the surface (storm), mainly affecting RWY 26.

In situations of low pressure affecting the islands, with synoptic wind SW-NW, the orographical wind shear pattern can be reversed, appearing on final approach to the RWY 26 below 1600ft, with wind intensities in RWY higher than 15 KT and SW-NW direction. The wind shear is usually positive and in the range of 15 to 30 KT. These situations may also generate gust fronts in the vicinity of the aerodrome, associated with convective activity.

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13 MAY 16

JEPPesen

10-1P3

Eff 26 May

AIRPORT BRIEFING

TENERIFE-SOUTH, CANARY IS

3. DEPARTURE

3.1. START-UP & TAXI PROCEDURES

3.1.1. START-UP

Pilots shall request clearance to start-up from TENERIFE-SOUTH Ground. On requesting this clearance, ACFT must be completely ready to start up, considering that the ACFT must leave stand 10 minutes before the calculated take-off time.

Clearance shall be issued as soon as requested. When delays are expected to exceed 15 minutes, ATC shall provide appropriate start-up time. At that moment, ATC clearance shall be issued.

3.1.2. TAXIING

Pilots shall contact Tower to request permission for towing and/or taxiing.

Towed push-back is mandatory at all front stands and shall be carried out in such a way as to nose to the nearest gate, with the following exceptions:

- ATC indicates the opposite;
- Existing engine start-up limitations, that shall be previously communicated to ATC;
- From stands F1, F5A and F8 this shall be carried out nosing to THR 26, for ACFT code letter D or higher;
- From stands H2, I1, I1A and I1B this shall be carried out nosing to THR 26;
- From stand I11A this shall be carried out nosing to THR 08.

Autonomous exits shall be carried out using the minimum start-up engine power and in such a way as when making the turn, the engine power shall not be higher than IDLE. ACFT shall always exit with nose to the nearest gate, unless otherwise directed, except from stand E13 where it shall always exit with nose to THR 08.

3.2. NOISE ABATEMENT PROCEDURES

- Take-off
- Take-off power.
 - Take-off flaps/slats.
 - Climb at $V_2 + 10$ KT to 1500' AGL.
- At 1500'
- Accelerate to zero flap minimum safe manoeuvring speed (VZF) + 10 KT maintaining minimum rate of climb 500'.
 - Retract flaps/slats as needed.
- Up to FL60
- Do not exceed 250 KT and continue SID in force, except ATC clearance.

ACFT taking off from RWY 08 shall maintain TFS R-076 up to TFS 10 DME before initiating any Right turn.

ACFT taking off from RWY 26 and overflying TFS VORDME must not turn Right before overflying this navigation facility.

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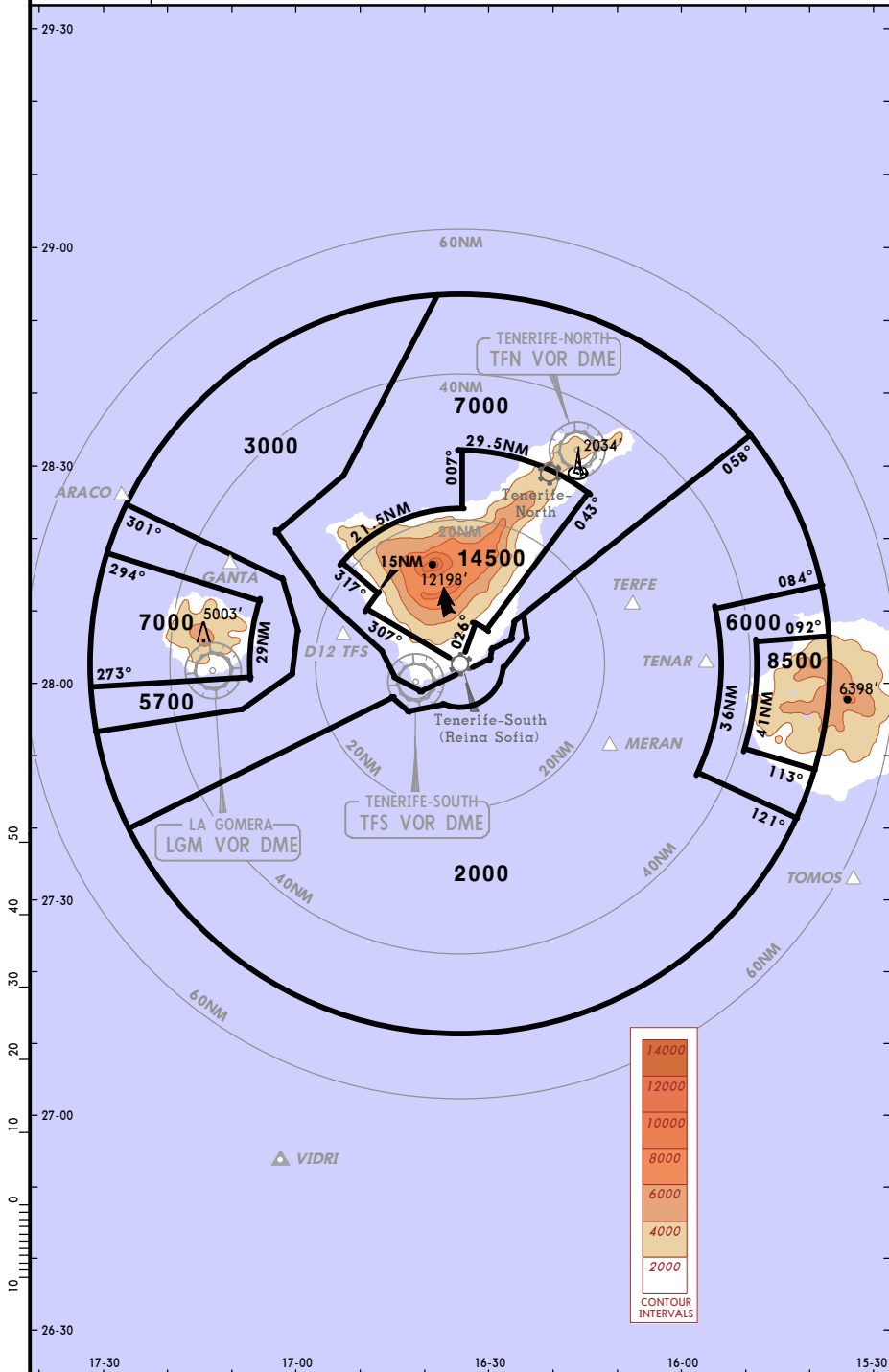


JEPPESEN TENERIFE-SOUTH, CANARY IS
12 FEB 10 (10-1R)

RADAR MINIMUM ALTITUDES

Apt Elev
209'

Alt Set: hPa Trans level: By ATC Trans alt: 6000'
The published minimum altitudes integrate no correction for low temperature.



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JEPPESSEN TENERIFE-SOUTH, CANARY IS
27 FEB 15 10-2 Eff 5 Mar STAR

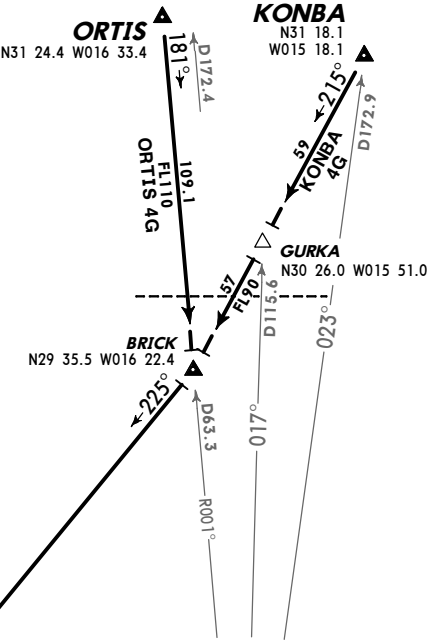
D-ATIS 118.675	Apt Elev 209'	Alt Set: hPa Trans level: By ATC	Trans alt: 6000'
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HIERRO ONE GOLF (HIE 1G)
KONBA FOUR GOLF
(KONBA 4G) [KONB4G]
ORTIS FOUR GOLF
(ORTIS 4G) [ORTI4G]
RWY 08 ARRIVALS

SPEED RESTRICTION
MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.
----- Speed Reduction Area



Direct distance to
Reina Sofia Apt from:
TFS 7NM



ARACO
N28 26.0
W017 27.1

TENERIFE-NORTH
(H) 117.7 TFN
N28 32.2 W016 16.1

**HOLDING
OVER TES**

MHA FL100
MHA 6000
for NDB apch
MAX 210 KT
276°
096°

GANTA
N28 16.5 W017 10.2

(IAF)
BAMEL
N28 06.7 W016 52.6

(IAF)
TENERIFE-SOUTH
317 TES
N28 03.3 W016 33.8

EL HIERRO
376 HIE
N27 49.0 W017 53.2

(IAF)
TENERIFE-SOUTH
116.4 TFS
N28 00.1 W016 41.3

GCTS/TFS
REINA SOFIA

27 FEB 15 **10-2A** **Eff 5 Mar** **STAR**

D-ATIS
118.675

Apt Elev
209'

Alt Set: hPa
Trans level: By ATC Trans alt: 6000'

HIERRO ONE GOLF (HIE 1G)
KONBA FIVE HOTEL
(KONBA 5H) [KONB5H]
ORTIS FIVE HOTEL
(ORTIS 5H) [ORTI5H]
BY ATC
RWY 26 ARRIVALS

SPEED RESTRICTION

MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.

----- Speed Reduction Area

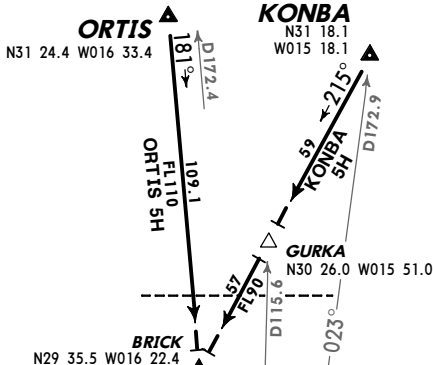


Direct distance to
Reina Sofia Apt from:
TFS 7NM

**HOLDINGS
OVER TES**



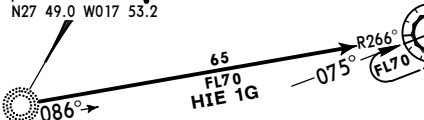
EL HIERRO
376 HIE
N27 49.0 W017 53.2



TENERIFE-NORTH
D (H) **117.7 TFN**
N28 32.2 W016 16.1

(IAF)
TENERIFE-SOUTH
317 TES
N28 03.3 W016 33.8

(IAF)
TENERIFE-SOUTH
116.4 TFS
N28 00.1 W016 41.3



GCTS/TFS
REINA SOFIA

15 APR 16

(10-2C1)

Eff 28 Apr

STAR

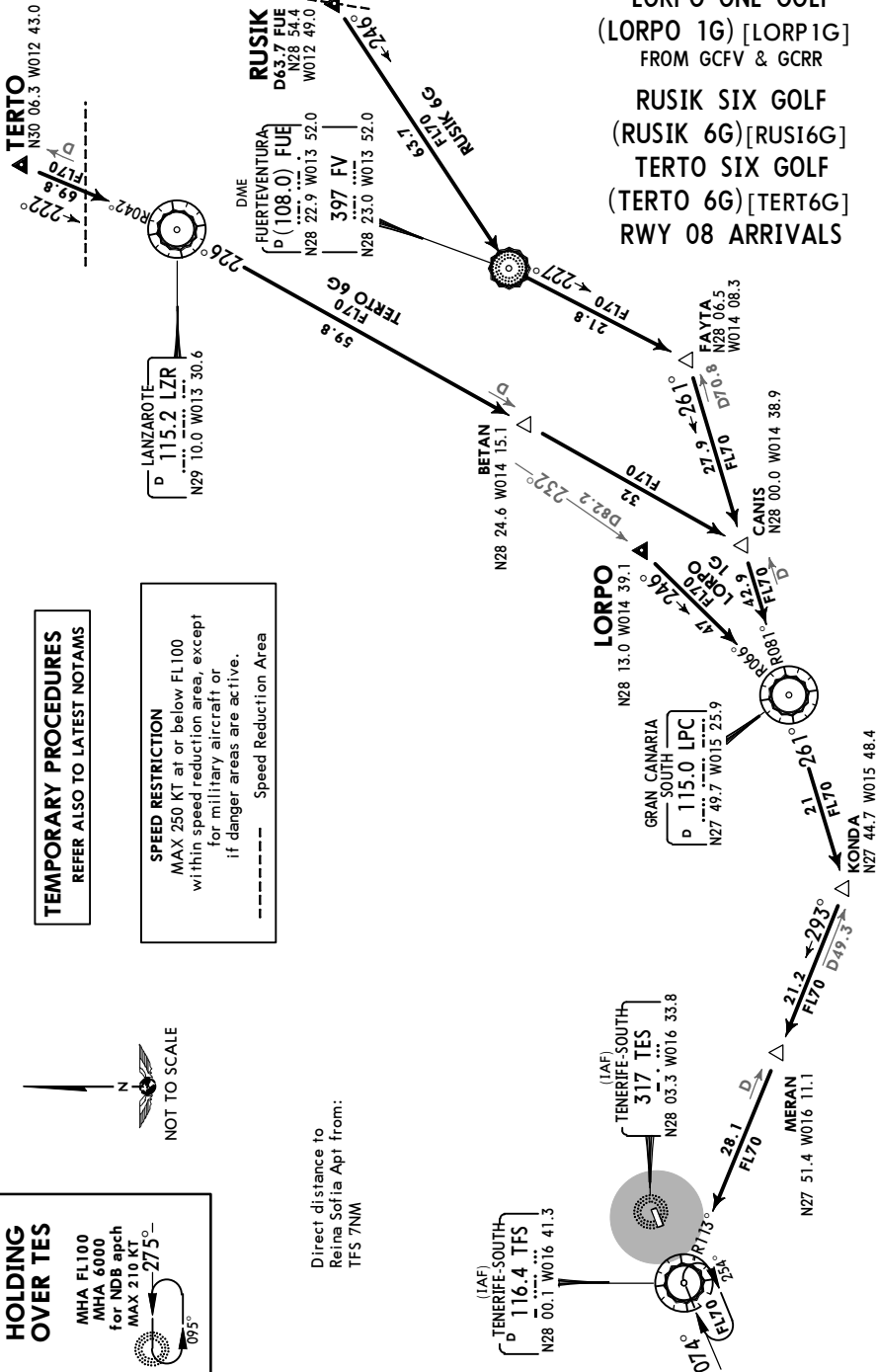
D-ATIS
118.675

Apt Elev
209'

Alt Set: hPa
Trans level: By ATC Trans alt: 6000'

LORPO ONE GOLF
(LORPO 1G) [LORP1G]
FROM GCFV & GCRR

RUSIK SIX GOLF
(RUSIK 6G) [RUSI6G]
TERTO SIX GOLF
(TERTO 6G) [TERT6G]
RWY 08 ARRIVALS

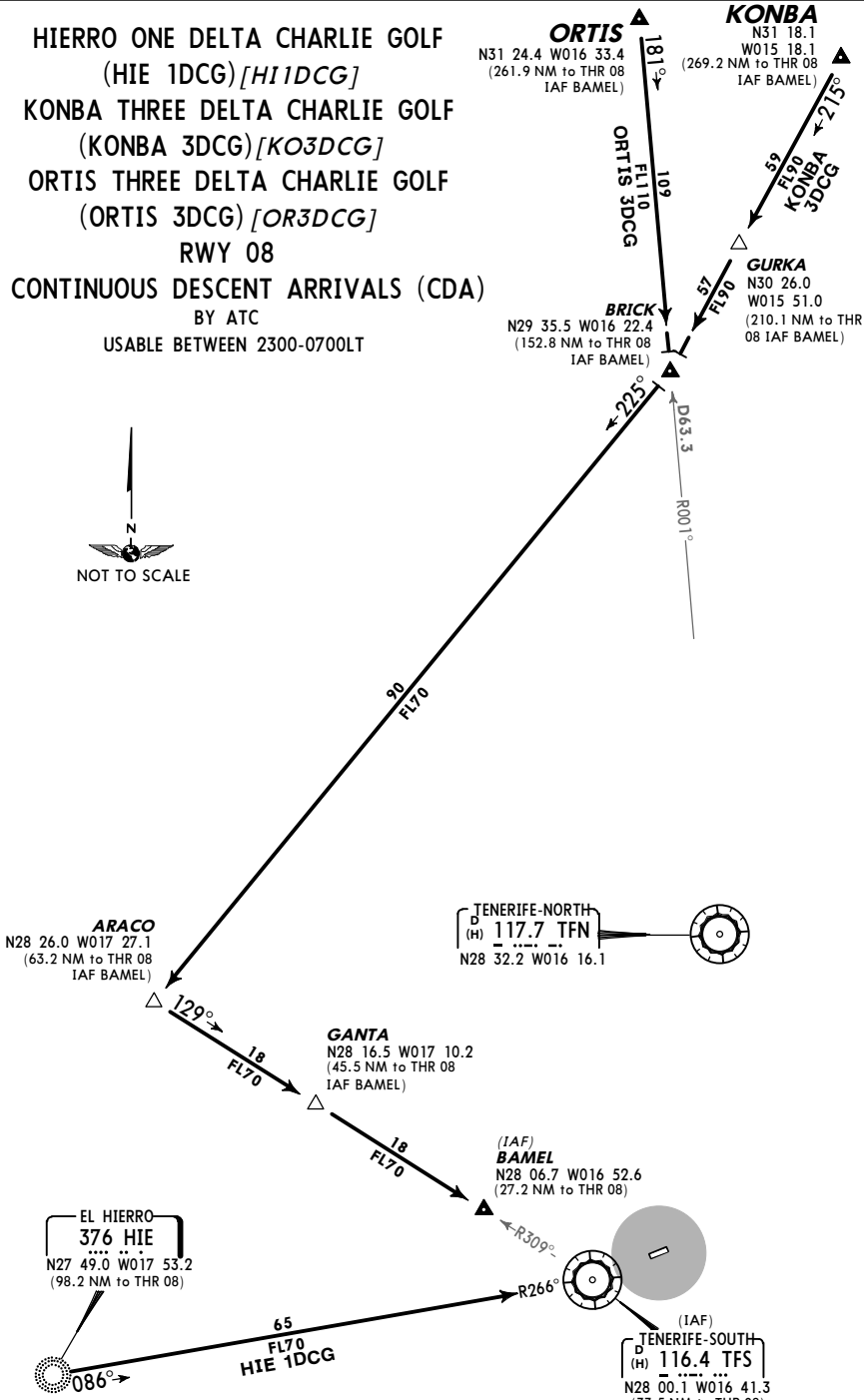


GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
6 MAR 15 (10-2E) STAR

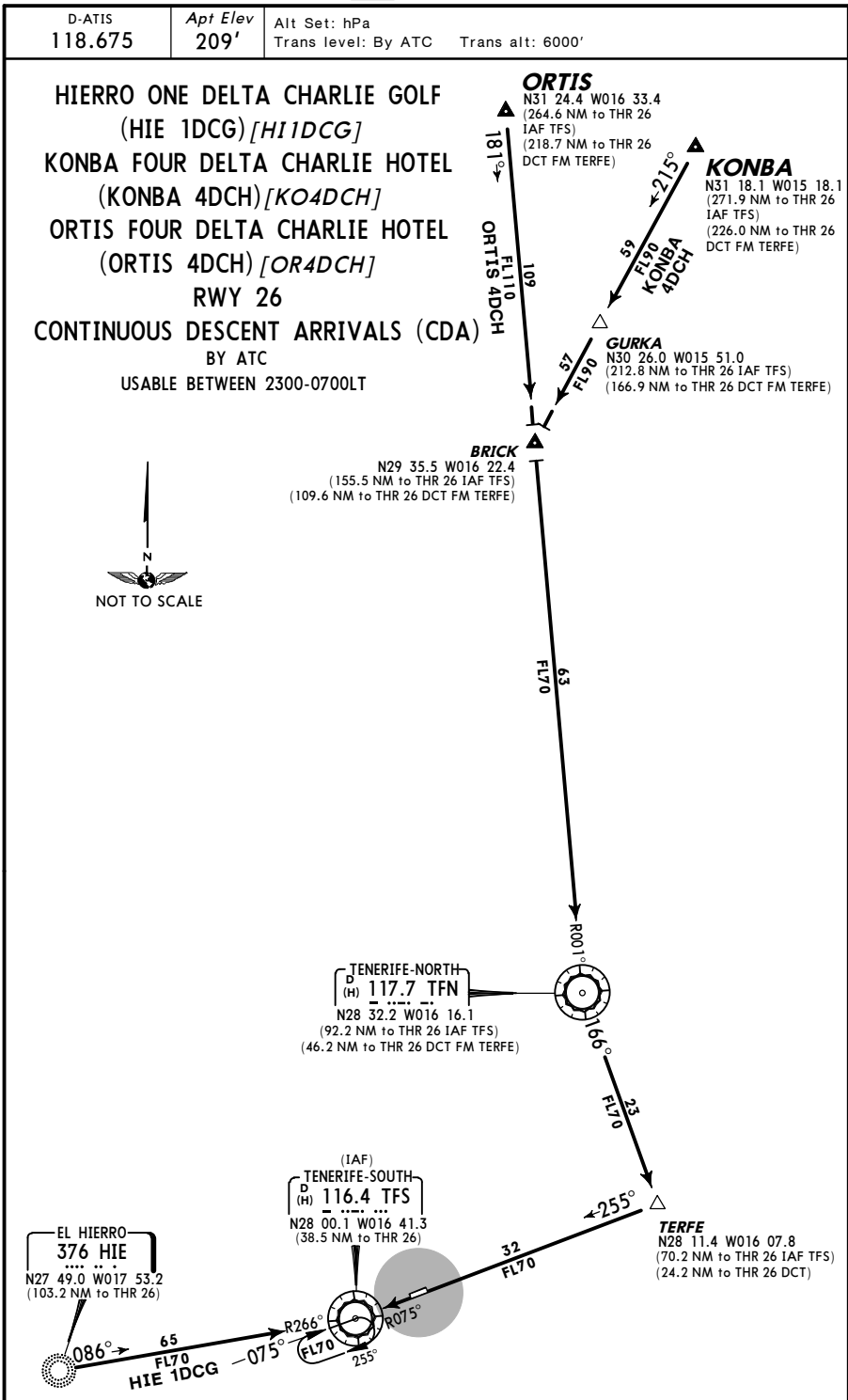
D-ATIS 118.675	Apt Elev 209'	Alt Set: hPa Trans level: By ATC	Trans alt: 6000'
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HIERRO ONE DELTA CHARLIE GOLF
(HIE 1DCG) [HI1DCG]
KONBA THREE DELTA CHARLIE GOLF
(KONBA 3DCG) [KO3DCG]
ORTIS THREE DELTA CHARLIE GOLF
(ORTIS 3DCG) [OR3DCG]
RWY 08
CONTINUOUS DESCENT ARRIVALS (CDA)
BY ATC
USABLE BETWEEN 2300-0700LT



GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
27 FEB 15 10-2F Eff 5 Mar STAR

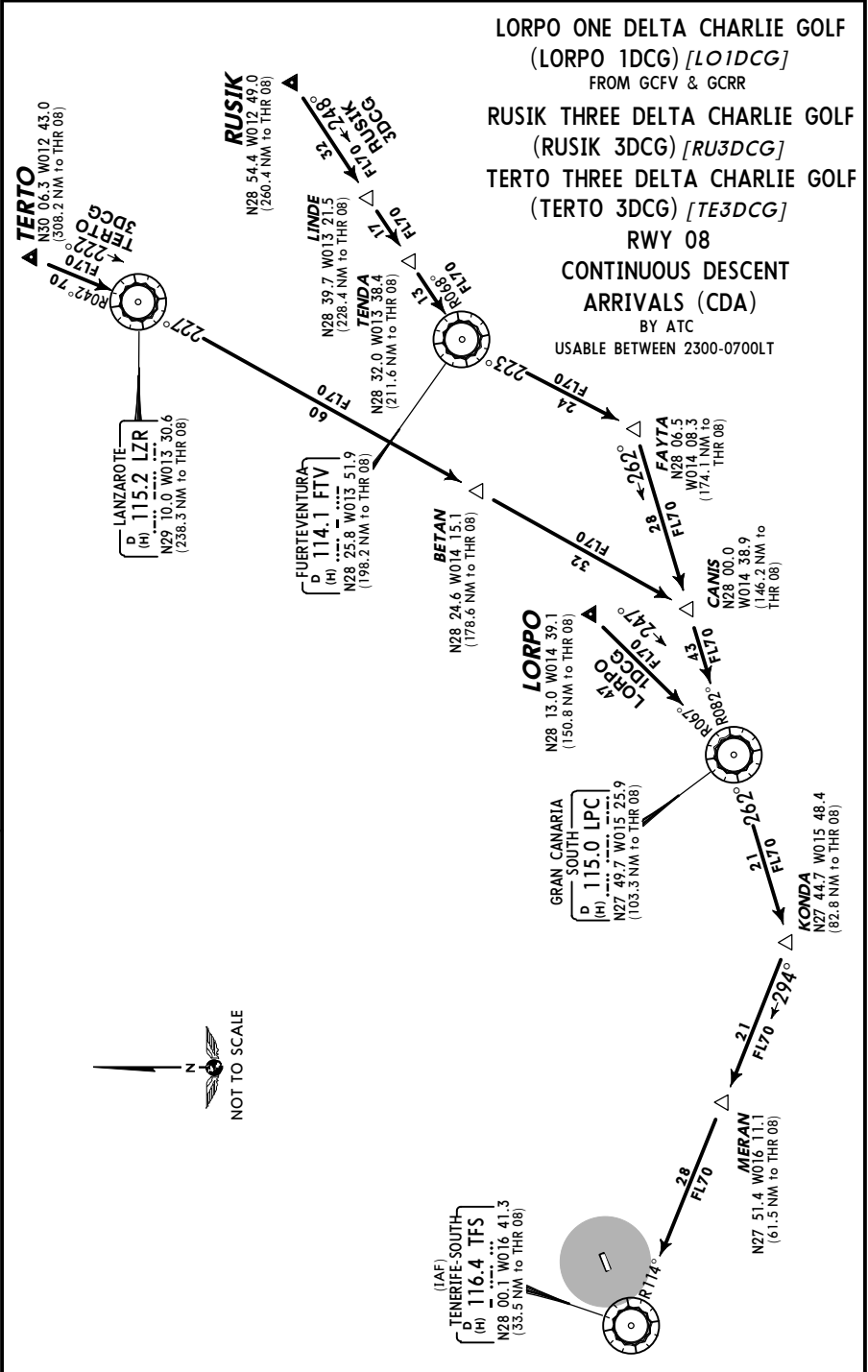


GCTS/TFS
REINA SOFIA

JEPPESSEN
27 FEB 15 10-2G Eff 5 Mar

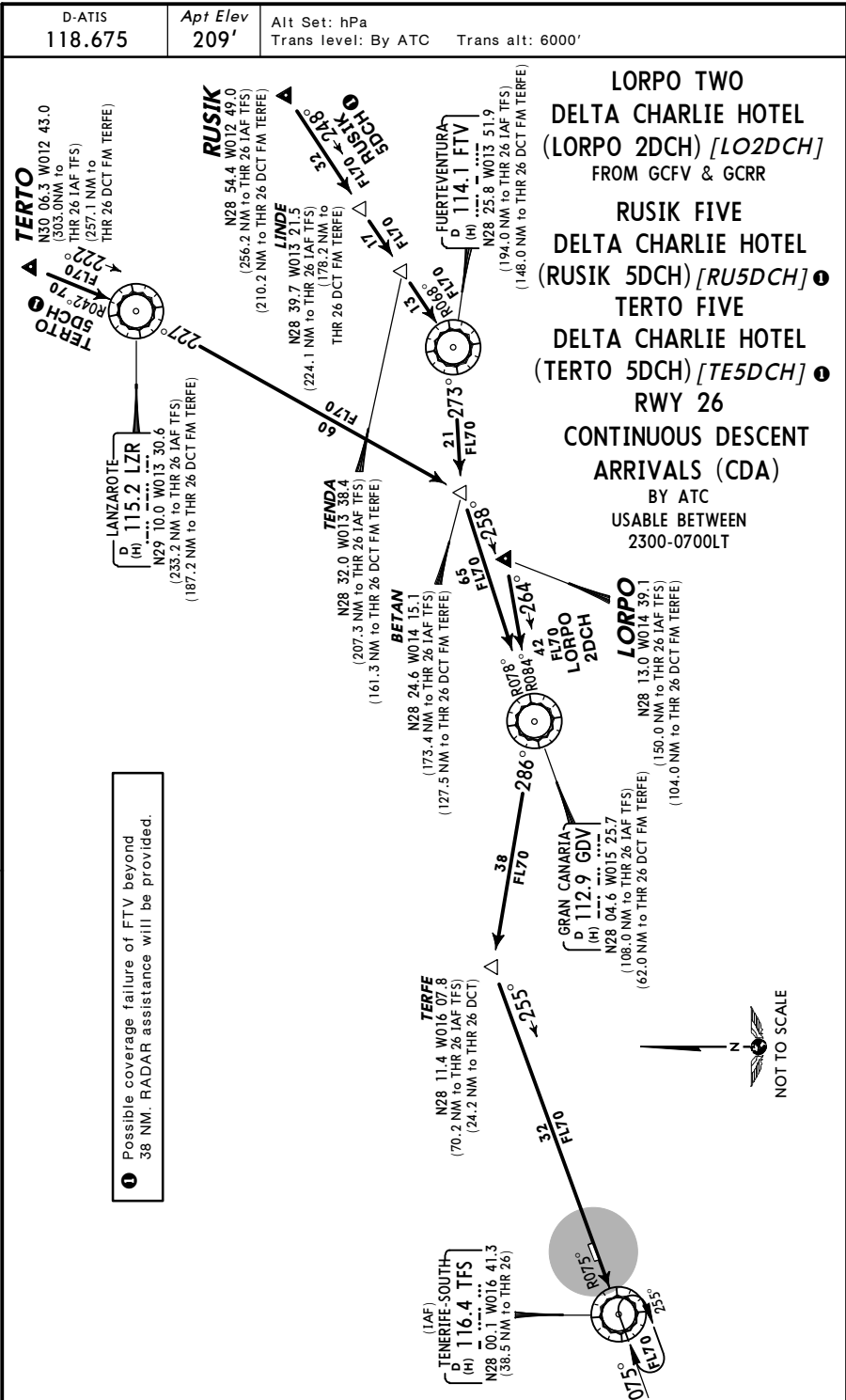
TENERIFE-SOUTH, CANARY IS
STAR

D-ATIS 118.675	Apt Elev 209'	Alt Set: hPa Trans level: By ATC	Trans alt: 6000'
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GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
27 FEB 15 10-2H Eff 5 Mar STAR



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GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
27 FEB 15 (10-3A) Eff 5 Mar SID

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
1. Due to restrictions of GDV, and when its coverage is not sufficient below FL150, RADAR vectoring guidance will be provided.
2. EXPECT close-in obstacles.

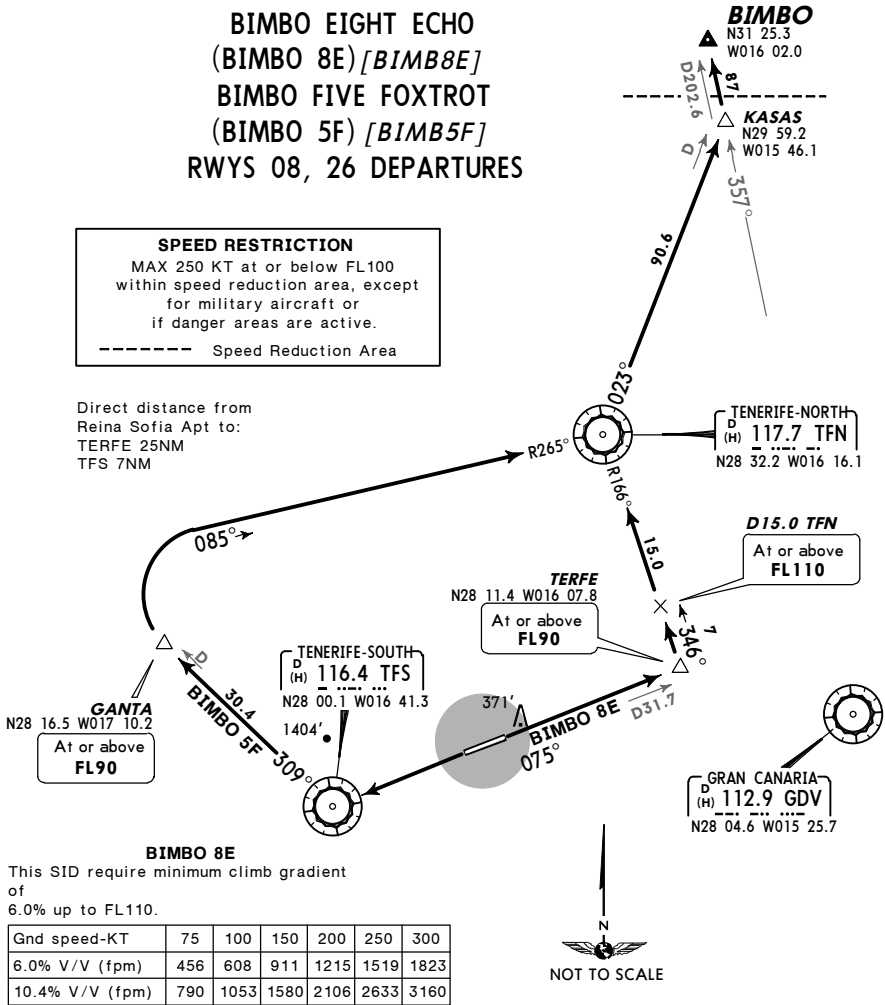
BIMBO EIGHT ECHO
(BIMBO 8E) [BIMB8E]
BIMBO FIVE FOXTROT
(BIMBO 5F) [BIMB5F]
RWYS 08, 26 DEPARTURES

SPEED RESTRICTION

MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.

----- Speed Reduction Area

Direct distance from
Reina Sofia Apt to:
TERFE 25NM
TFS 7NM



Initial ATC clearance:

BIMBO 8E: Maintain **FL200**, await further clearance
BIMBO 5F: Cross **GANTA** at or above **FL150**,
await further clearance

SID	RWY	ROUTING
BIMBO 8E	08	Climb on TFS R-075 to TERFE, turn LEFT, intercept TFN R-166 inbound to TFN, TFN R-023 to KASAS, turn LEFT, intercept GDV R-357 to BIMBO.
BIMBO 5F	26	Climb on runway heading to TFS, TFS R-309 to GANTA, turn RIGHT, intercept TFN R-265 inbound to TFN, TFN R-023 to KASAS, turn LEFT, intercept GDV R-357 to BIMBO.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:
These SIDs require a minimum climb gradient of 10.4% up to FL70.
Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

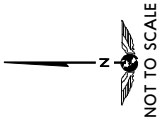
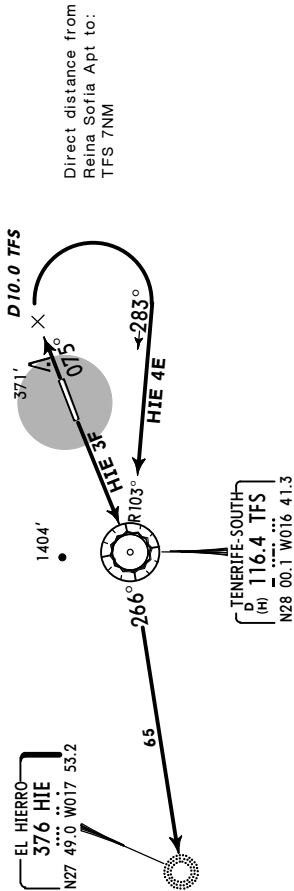
GCTS/TFS
REINA SOFIA

27 FEB 15 **10-3C** **Eff 5 Mar** **SID**
JEPPESEN TENERIFE-SOUTH, CANARY IS

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
EXPECT close-in obstacles.

HIERRO FOUR ECHO (HIE 4E)
HIERRO THREE FOXTROT (HIE 3F)
RWYS 08, 26 DEPARTURES



SPEED RESTRICTION
MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.

HIE 4E									
This SID require minimum climb gradient of 4.5% up to 1000'.									
Gnd speed-KT	75	100	150	200	250	300			
4.5% V/V (fpm)	342	456	684	911	1139	1367			
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160			

Initial ATC clearance:		
Maintain FL70 await further clearance		
SID	RWY	ROUTING
HIE 4E	08	Climb on TFS R-075 to D10.0 TFS, turn RIGHT, intercept TFS R-103 inbound to TFS, TFS R-266 to HIE.
HIE 3F	26	Climb on runway heading to TFS, TFS R-266 to HIE.
CONTINGENCY DEPARTURE		
In case of one or more navaid failure following procedures shall be carried out: These SIDs require a minimum climb gradient of 10.4% up to FL70. Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.		

GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
27 FEB 15 10-3D Eff 5 Mar

SID

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
EXPECT close-in obstacles.

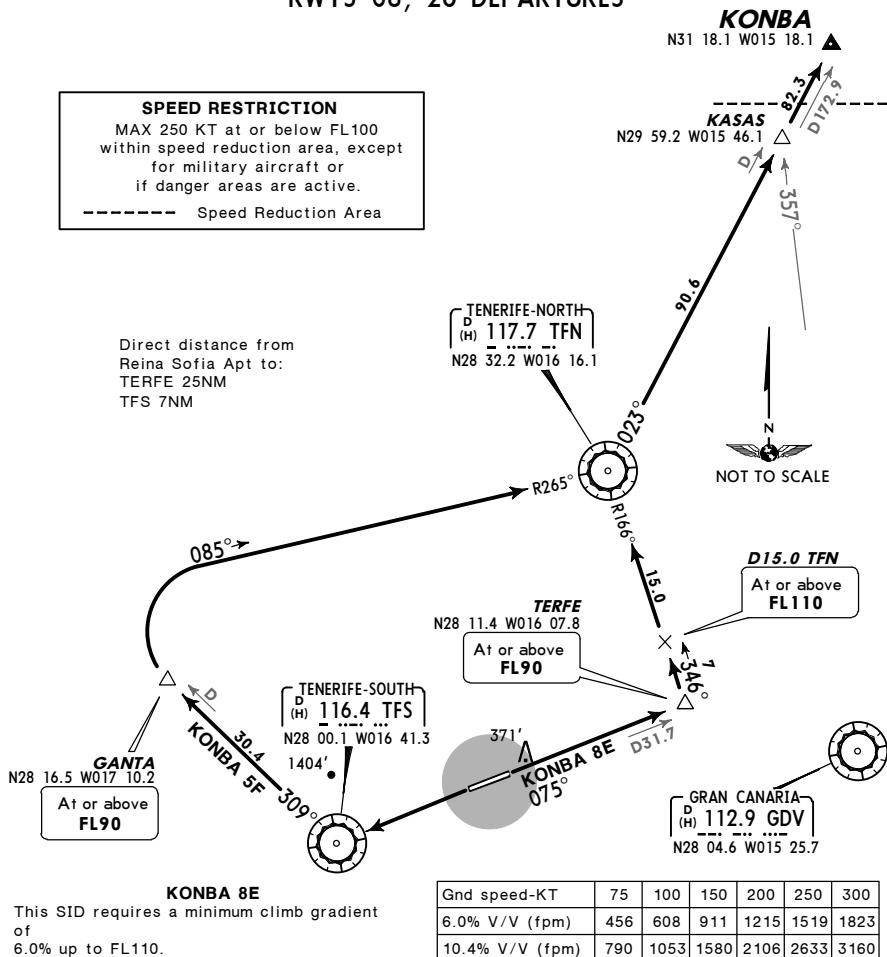
KONBA EIGHT ECHO (KONBA 8E)[KONB8E]
KONBA FIVE FOXTROT (KONBA 5F)[KONB5F]
RWYS 08, 26 DEPARTURES

SPEED RESTRICTION

MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.

----- Speed Reduction Area

Direct distance from
Reina Sofia Apt to:
TERFE 25NM
TFS 7NM



Initial ATC clearance:

KONBA 8E: Maintain **FL200**, await further clearance

KONBA 5F: Cross **GANTA** at or above **FL90**, climb to **FL150**,
await further clearance

SID	RWY	ROUTING
KONBA 8E	08	Climb on TFS R-075 to TERFE, turn LEFT, intercept TFN R-166 inbound to TFN, TFN R-023 via KASAS to KONBA.
KONBA 5F	26	Climb on runway heading to TFS, TFS R-309 to GANTA, turn RIGHT, intercept TFN R-265 inbound to TFN, TFN R-023 via KASAS to KONBA.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:
These SIDs require a minimum climb gradient of 10.4% up to FL70.
Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

GCTS/TFS
REINA SOFIA

27 FEB 15

10-3E

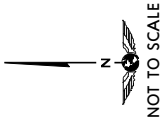
Eff 5 Mar

SID

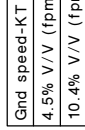
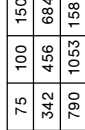
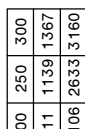
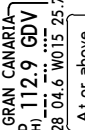
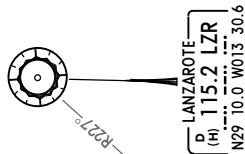
Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
EXPECT close-in obstacles.

KOPUD TWO ECHO
(KOPUD 2E) [KOPU2E] 13
KOPUD ONE FOXTROT
(KOPUD 1F) [KOPU1F] 2
RWYS 08, 26 DEPARTURES



Due to restrictions of GDV, and when its coverage is not sufficient below FL150, RADAR vectoring guidance will be provided.



Overflying GDV 1 / LPC 2
is mandatory in order to assure
the standard separation between
aircraft.

SPEED RESTRICTION
MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.

Initial ATC clearance:

KOPUD 2E: Cross GDV at or above FL140, maintain FL200,

await further clearance

KOPUD 1F: Cross MERAN at or above FL90, LPC at or above FL220,

maintain FL240, await further clearance

ROUTING

SID	RWY
KOPUD 2E 03	08
KOPUD 1F 2	26

Climb on TFS R-075 to D10.0 TFS, turn RIGHT, intercept TFS R-092 via TENAR to GDV, GDV R-091 via KOPUD.

Climb on runway heading to TFS 3.0 DME, turn LEFT, intercept TFS R-114 to MERAN, turn LEFT, intercept LPC R-278 inbound to LPC, LPC R-090 to TUPIK, turn LEFT, intercept LZ R-227 inbound to KOPUD.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:
These SIDs require a minimum climb gradient of 10.4% up to FL70.
Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

KOPUD 2E

This SID require a minimum climb gradient of 10.4% up to FL90.

Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160

D10.0 TFS

371'

075°

3.0 DME

114°

1404'

D40.0

TENAR

N28 02.9 W015 36.2

At or above FL90

At or above FL90

At or above FL90

At or above FL90

At or above FL90

Direct distance from
Reina Sofia Apt to:
MERAN 23NM
TENAR 34NM

At or above FL90

At or above FL90

At or above FL90

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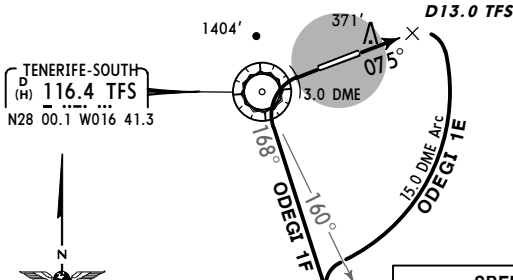
GCTS/TFS
REINA SOFIA

27 FEB 15 **10-3G** **Eff 5 Mar** **SID**

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
EXPECT close-in obstacles.

ODEGI ONE ECHO (ODEGI 1E) [ODEG1E]
ODEGI ONE FOXTROT (ODEGI 1F) [ODEG1F]
RWYS 08, 26 DEPARTURES
SUBJECT TO GC(D)-79D/T/W ACTIVITY



Direct distance from
Reina Sofia Apt to:
ODEGI 70NM

SPEED RESTRICTION

MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.

----- Speed Reduction Area

GC(D)-79D/T/W

GC(D)-79D/T

GC(D)-79T

GC(D)-
79T/W

These SIDs require minimum climb gradients
of

ODEGI 1E: 4.5% up to 1000'.

ODEGI 1F: 4.0% up to 1000'.

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V (fpm)	304	405	608	810	1013	1215
4.5% V/V (fpm)	342	456	684	911	1139	1367
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160

Initial climb clearance: Maintain **FL90** , await further clearance.

SID

RWY

ROUTING

ODEGI 1E

08

Climb on TFS R-075 to D13.0 TFS, turn **RIGHT**, along TFS 15.0 DME Arc, intercept TFS R-168 to ODEGI.

ODEGI 1F

26

Climb on runway heading to TFS 3.0 DME, turn **LEFT**, intercept TFS R-168 to ODEGI.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:

These SIDs require a minimum climb gradient of 10.4% up to FL70.

Climb on runway heading to FL90, turn by following ATC instructions. In case of turn **LEFT** (Rwy 08), or turn **RIGHT** (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

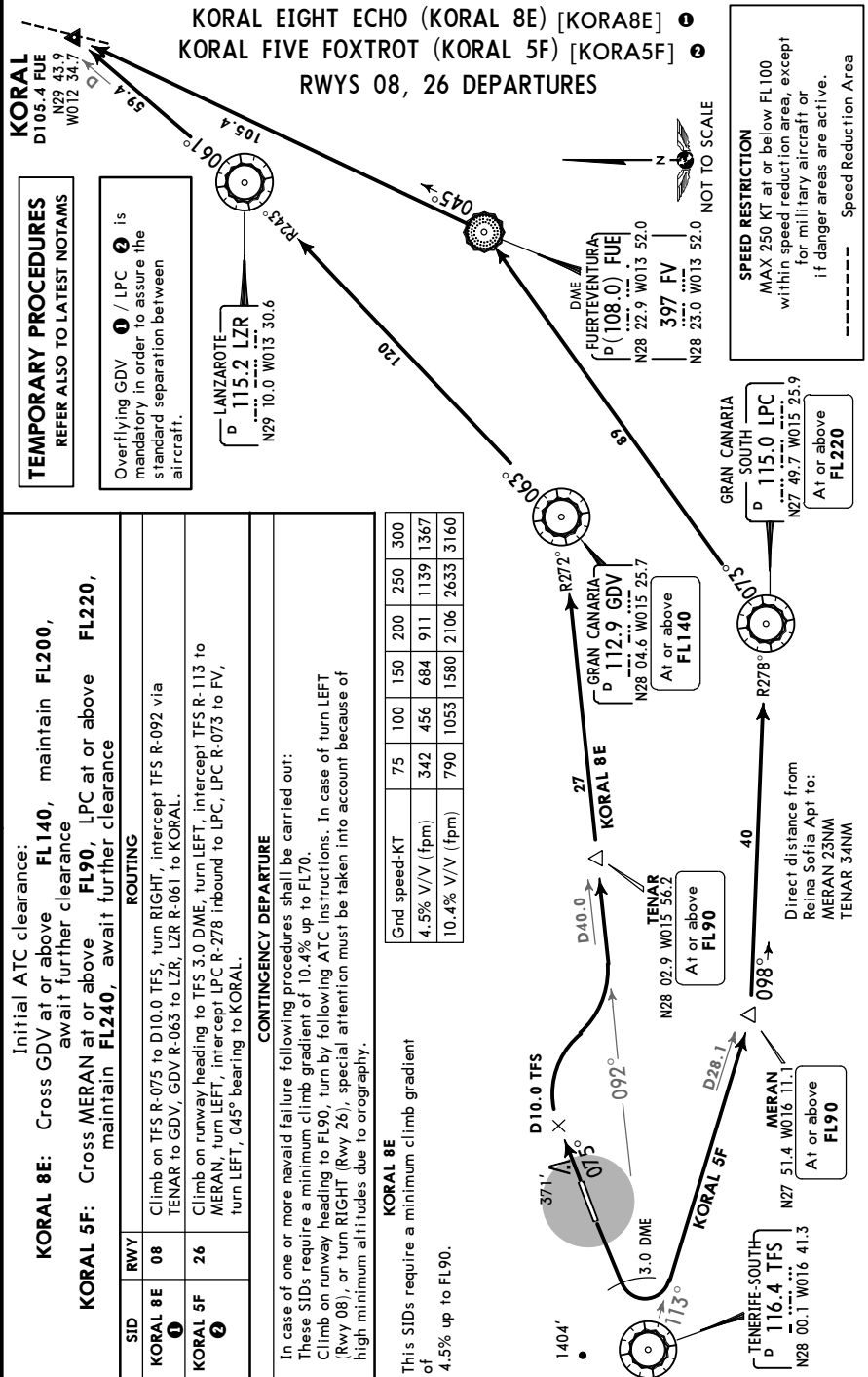
GCTS/TFS
REINA SOFIA

JEPPESEN TENERIFE-SOUTH, CANARY IS
15 APR 16 (10-3G1) Eff 28 Apr

SID

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
EXPECT close-in obstacles.



GCTS/TFS
REINA SOFIA

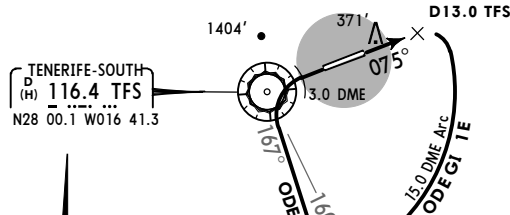
JEPPESSEN TENERIFE-SOUTH, CANARY IS
15 APR 16 (10-3G2) Eff 28 Apr

SID

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
EXPECT close-in obstacles.

ODEGI ONE ECHO (ODEGI 1E) [ODEGI1E]
ODEGI ONE FOXTROT (ODEGI 1F)[ODEGI1F]
RWYS 08, 26 DEPARTURES
SUBJECT TO GC(D)-79D/T/W ACTIVITY



Direct distance from
Reina Sofia Apt to:
ODEGI 70NM

SPEED RESTRICTION

MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.

----- Speed Reduction Area

TEMPORARY PROCEDURES

REFER ALSO TO LATEST NOTAMS

GC(D)-79D/T/W

GC(D)-79D/T

GC(D)-79T

These SIDs require minimum climb gradients

of

ODEGI 1E: 4.5% up to 1000'.

ODEGI 1F: 4.0% up to 1000'.

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V (fpm)	304	405	608	810	1013	1215
4.5% V/V (fpm)	342	456	684	911	1139	1367
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160

Initial climb clearance: Maintain **FL90** , await further clearance.

SID	RWY	ROUTING
ODEGI 1E	08	Climb on TFS R-075 to D13.0 TFS, turn RIGHT, along TFS 15.0 DME Arc, intercept TFS R-167 to ODEGI.
ODEGI 1F	26	Climb on runway heading to TFS 3.0 DME, turn LEFT, intercept TFS R-167 to ODEGI.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:
These SIDs require a minimum climb gradient of 10.4% up to FL70.
Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

GCTS/TFS
REINA SOFIA

27 FEB 15

10-3H

Eff 5 Mar

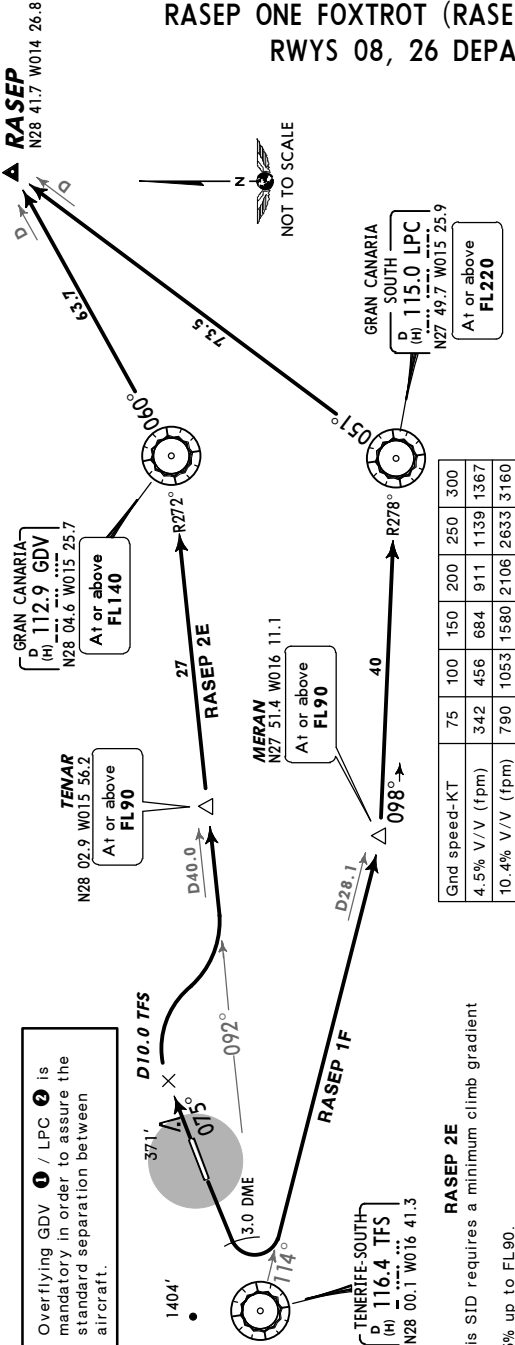
JEPPESSEN TENERIFE-SOUTH, CANARY IS

SID

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
EXPECT close-in obstacles.

RASEP TWO ECHO (RASEP 2E) [RASE2E] ①
RASEP ONE FOXTROT (RASEP 1F) [RASE1F] ②
RWYS 08, 26 DEPARTURES



Direct distance from
Reina Sofia Apt to:
MERAN 23NM
TENAR 34NM

SPEED RESTRICTION
MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.

ROUTING

Climb on TFS R-075 to D10.0 TFS, turn RIGHT, intercept TFS R-092 via
TENAR to GDV, GDV R-060 to RASEP.

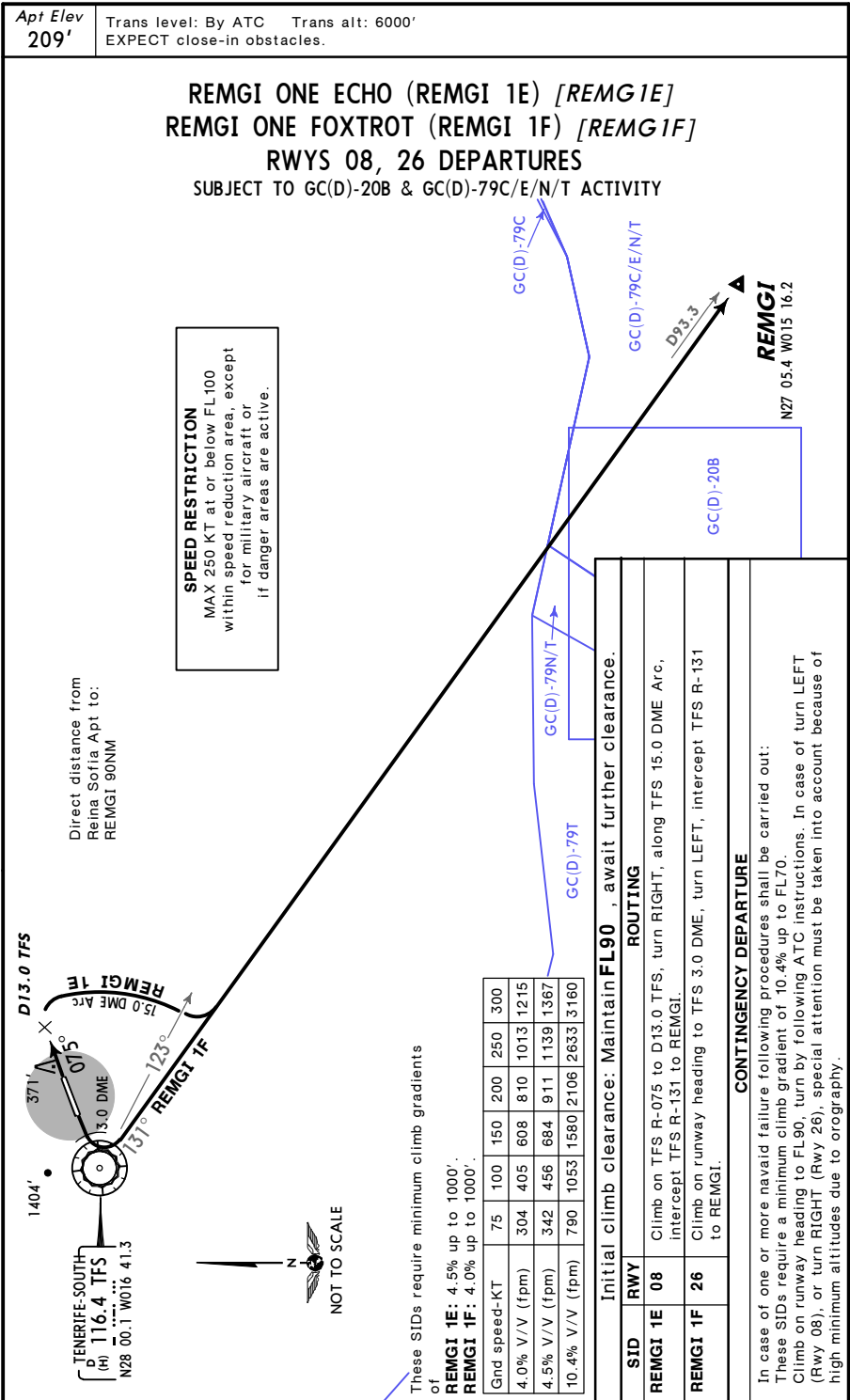
Climb on runway heading to TFS 3.0 DME, turn LEFT, intercept TFS R-114 to
MERAN, turn LEFT, intercept LPC R-278 inbound to LPC, LPC R-051 to RASEP.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:

These SIDs require a minimum climb gradient of 10.4% up to FL70.

Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT
(Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of
high minimum altitudes due to orography.



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GCTS/TFS
REINA SOFIA

27 FEB 15

10-3L

Eff 5 Mar

SID

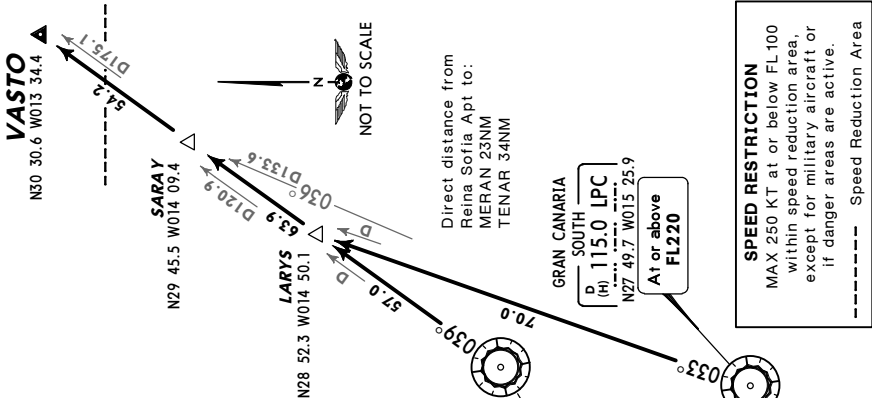
JEPPESSE TENERIFE-SOUTH, CANARY IS

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'

1. Due to restrictions of GDV, and when its coverage is not sufficient below FL150, RADAR vectoring guidance will be provided.
2. EXPECT close-in obstacles.

ASTO SIX ECHO (ASTO 6E) [AST6E] 1
ASTO SIX FOXTROT (ASTO 6F) [AST6F] 2
RWYS 08, 26 DEPARTURES



Initial ATC clearance:

ASTO 6E: Cross GDV at or above FL140, maintain FL200, await further clearance

ASTO 6F: Cross MERAN at or above FL90, LPC at or above FL220, maintain FL240, await further clearance

ROUTING

SID	RWY	ROUTING
ASTO 6E 1	08	Climb on TFS R-075 to D10.0 TFS, intercept TFS R-092 via TENAR to GDV, GDV R-039 via LARYS and SARAY to ASTO.
ASTO 6F 2	26	Climb on runway heading to TFS 3.0 DME, turn LEFT, intercept TFS R-114 to MERAN, turn LEFT, intercept LPC R-278 inbound to LPC, LPC R-033 to LARYS, turn RIGHT, intercept GDV R-039 via SARAY to ASTO.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:

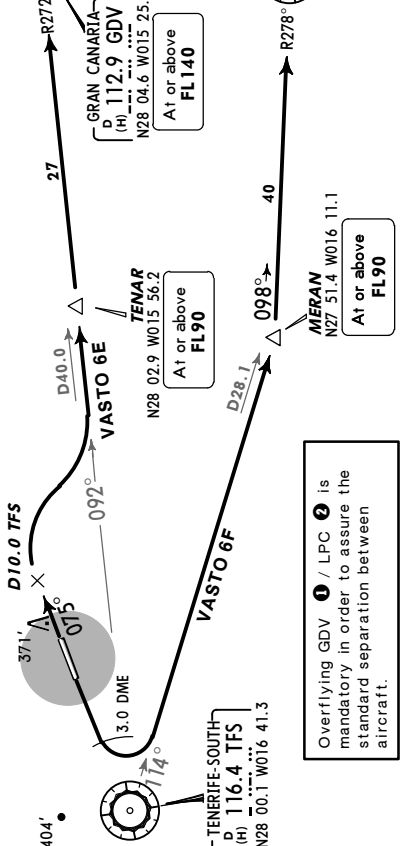
These SIDs require a minimum climb gradient of 10.4% up to FL70.

Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

ASTO 6E

This SID requires a minimum climb gradient of 10.4% up to FL90.

Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160



GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
15 APR 16 (10-3L1) Eff 28 Apr SID

Apt Elev 209' Trans level: By ATC Trans alt: 6000' EXPECT close-in obstacles.

SAMAR EIGHT ECHO
(SAMAR 8E) [SAMA8E]
SAMAR EIGHT FOXTROT
(SAMAR 8F) [SAMA8F] ①
RWYS 08, 26 DEPARTURES

- ① Overflying LPC is mandatory in order to assure the standard separation between aircraft.
- ② Between XUMBA-SAMAR any loss of signal and uncouplings of DME FUE RADAR assistance will be provided.



SAMAR
N30 54.0 W014 24.9
(115.2 LZR R-341/D114.0)
(108.0 FUE D153.4)

KASAS
N29 59.2 W015 46.1

XUMBA
N29 45.2 W014 09.7
108.0 FUE D83.5

TEMPORARY PROCEDURES
REFER ALSO TO LATEST NOTAMS

SPEED RESTRICTION
MAX 250 KT at or below FL100
within speed reduction area,
except for military aircraft or
if danger areas are active.
----- Speed Reduction Area

TENERIFE-NORTH
D 117.7 TFN
N28 32.2 W016 16.1

Direct distance from
Reina Sofia Apt to:
MERAN 23NM
TERFE 25NM

TENERIFE-SOUTH
D 116.4 TFS
N28 00.1 W016 41.3

D15.0 TFN
At or above
FL110

TERFE
N28 11.4 W016 07.8
At or above
FL90

GRAN CANARIA
D 112.9 GDV
N28 04.6 W015 25.7

MERAN
N27 51.4 W016 11.1
At or above
FL90

GRAN CANARIA
SOUTH
D 115.0 LPC
N27 49.7 W015 25.9
At or above
FL220

Grd speed-KT	75	100	150	200	250	300
6.0% V/V (fpm)	456	608	911	1215	1519	1823
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160

This SID requires a minimum climb gradient
of 6.0% up to FL110.

Initial ATC clearance:
SAMAR 8E: Maintain FL200, await further clearance
SAMAR 8F: Cross MERAN at or above FL90, LPC at or above FL220,
maintain FL240, await further clearance

SID	RWY	ROUTING
SAMAR 8E	08	Climb on TFS R-075 to TERFE, turn LEFT, intercept TFN R-166 inbound to TFN, TFN R-023 to KASAS, turn RIGHT, intercept 057° bearing from BX to SAMAR.
SAMAR 8F ①	26	Climb on runway heading to TFS 3.0 DME, turn LEFT, intercept TFS R-113 to MERAN, turn LEFT, intercept LPC R-278 inbound to LPC, LPC R-032 to LARYS, turn RIGHT, intercept GDV R-039 to XUMBA, turn LEFT, intercept 355° bearing from FV to SAMAR.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:
These SIDs require a minimum climb gradient of 10.4% up to FL70.
Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

GCTS/TFS
REINA SOFIA

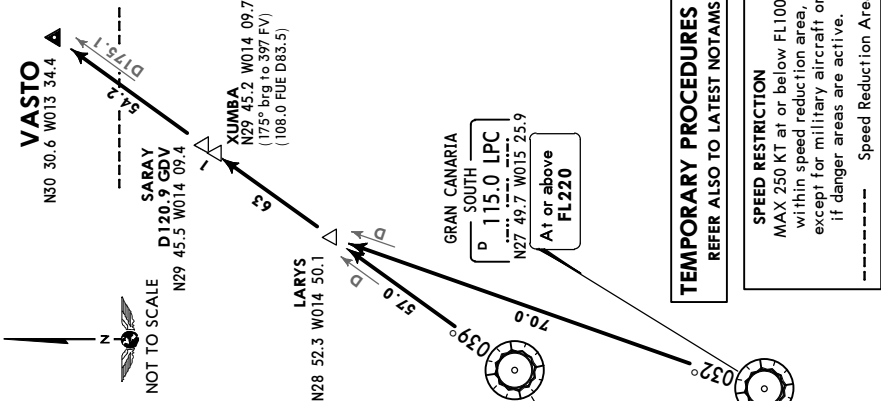
15 APR 16 (10-3L2) Eff 28 Apr

SID

Apt Elev
209'

- Trans level: By ATC Trans alt: 6000'
1. Due to restrictions of GDV, and when its coverage is not sufficient below FL150, RADAR vectoring guidance will be provided.
 2. EXPECT close-in obstacles.

ASTO SIX ECHO (ASTO 6E) [AST6E] 1
ASTO SEVEN FOXTROT (ASTO 7F) [AST7F] 2
RWYS 08, 26 DEPARTURES



TEMPORARY PROCEDURES
REFER ALSO TO LATEST NOTAMS

SPEED RESTRICTION
MAX 250 KT at or below FL100
within speed reduction area,
except for military aircraft or
if danger areas are active.
----- Speed Reduction Area

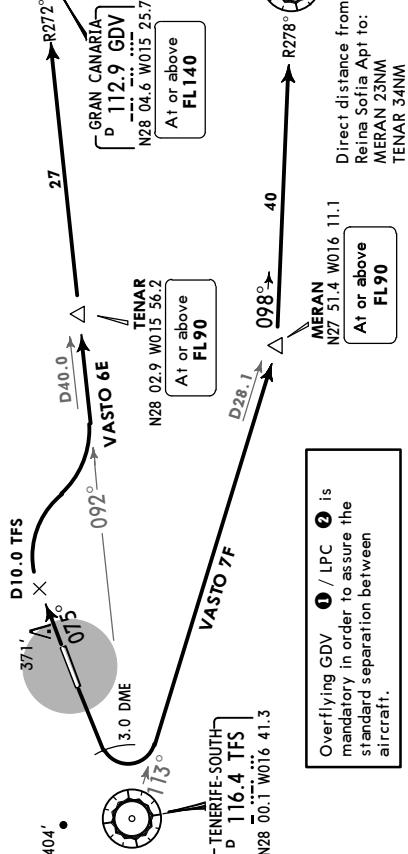
Initial ATC clearance:
ASTO 6E: Cross GDV at or above FL140, maintain FL200, await further clearance
ASTO 7F: Cross MERAN at or above FL90, LPC at or above FL220, maintain FL240, await further clearance

SID	RWY	ROUTING
ASTO 6E 1	08	Climb on TFS R-075 to D10.0 TFS, intercept TFS R-092 via TENAR to GDV, GDV R-039 via LARYS and SARAY to VASTO.
ASTO 7F 2	26	Climb on runway heading to TFS 3.0 DME, turn LEFT, intercept TFS R-113 to MERAN, turn LEFT, intercept LPC R-278 inbound to LPC, LPC R-032 to LARYS, turn RIGHT, intercept GDV R-039 via XUMBA to VASTO.

CONTINGENCY DEPARTURE
In case of one or more navaid failure following procedures shall be carried out:
These SIDs require a minimum climb gradient of 10.4% up to FL70.
Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

Grnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160

ASTO 6E
This SID requires a minimum climb gradient of 4.5% up to FL90.



Overflying GDV 1 / LPC 2 is mandatory in order to assure the standard separation between aircraft.

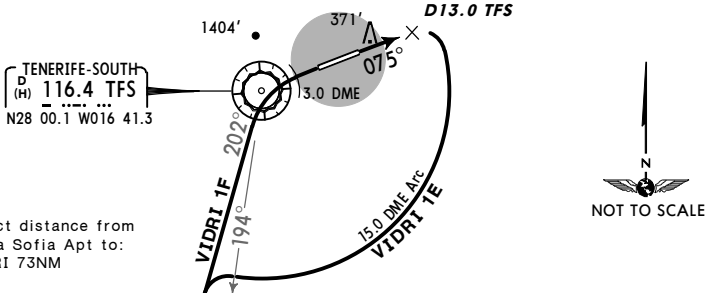
GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
27 FEB 15 10-3M Eff 5 Mar SID

Apt Elev
209'

Trans level: By ATC Trans alt: 6000'
EXPECT close-in obstacles.

VIDRI ONE ECHO (VIDRI 1E)[VIDRIE]
VIDRI ONE FOXTROT (VIDRI 1F)[VIDRI1F]
RWYS 08, 26 DEPARTURES
SUBJECT TO GC(D)-79D/T/W ACTIVITY



SPEED RESTRICTION
MAX 250 KT at or below FL100
within speed reduction area, except
for military aircraft or
if danger areas are active.
----- Speed Reduction Area

GC(D)-
79T/W

GC(D)-79D/T/W

GC(D)-79D/T

GC(D)-79T

These SIDs require minimum climb gradients
of
VIDRI 1E: 4.5% up to 1000'.
VIDRI 1F: 4.0% up to 1000'.

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V (fpm)	304	405	608	810	1013	1215
4.5% V/V (fpm)	342	456	684	911	1139	1367
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160

VIDRI
N26 53.7 W017 02.4

Initial climb clearance:
VIDRI 1E: Maintain **FL70** , await further clearance.
VIDRI 1F: Maintain **FL90** , await further clearance.

SID	RWY	ROUTING
VIDRI 1E	08	Climb on TFS R-075 to D13.0 TFS, turn RIGHT, along TFS 15.0 DME Arc, intercept TFS R-202 to VIDRI.
VIDRI 1F	26	Climb on runway heading to TFS 3.0 DME, turn LEFT, intercept TFS R-202 to VIDRI.

CONTINGENCY DEPARTURE

In case of one or more navaid failure following procedures shall be carried out:
These SIDs require a minimum climb gradient of 10.4% up to FL70.
Climb on runway heading to FL90, turn by following ATC instructions. In case of turn LEFT (Rwy 08), or turn RIGHT (Rwy 26), special attention must be taken into account because of high minimum altitudes due to orography.

NOISE ABATEMENT

SUMMER: LT minus 1 HOUR = UTC(Z)
WINTER: LT = UTC(Z)

ARRIVALS

Landing and approach procedures on visual meteorological conditions will be performed with an angle equal to or higher than the ILS GP or PAPI of each runway.

At night time, visual approaches shall avoid overflying inhabited areas and visual approaches to runway 26 from west via Ganta Int or TFS VORDME shall not initiate the left turn before TFS 10 DME.

DEPARTURES

- Take-off

Take-off power.
Take-off flaps/slats.
Climb at $V_2 + 10$ KT to 1500' AGL.
- At 1500'

Reduce to power of ascent.
Accelerate to zero flap minimum safe manoeuvring speed (VZF) + 10 KT maintaining minimum rate of climb 500'.
Retract flaps/slats as needed.
- Up to FL60

Do not exceed 250 KT and continue SID in force, except ATC clearance.
- Aircraft taking-off from runway 08 shall maintain runway heading until TFS 10 DME before initiating any right turn.
- Aircraft taking-off from runway 26 and overflying TFS VORDME must not turn right before overflying this navigation facility.

RUN-UP TESTS

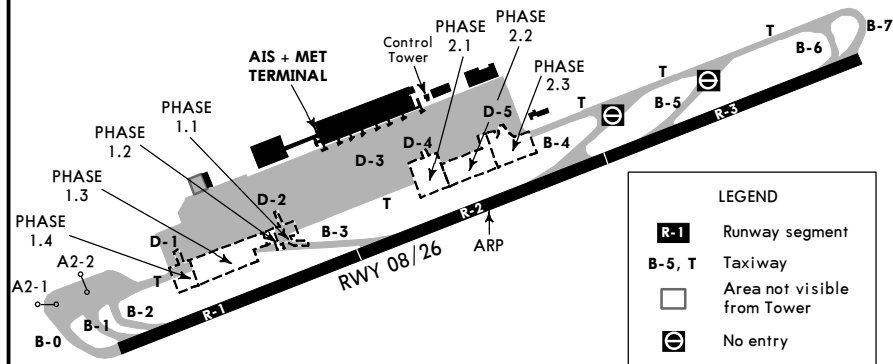
Engine tests higher than idle regime are forbidden between 0000-0600LT. Exceptions are allowed only, if it is essential for aircrafts return to the origin airport, or when the planned and cleared flight takes off between 0400-0600LT.

GCTS/TFS

JEPPESSEN TENERIFE-SOUTH, CANARY IS
25 MAR 16 **(10-8)** **Eff 31 Mar**
REINA SOFIA

WORKS ON TWY T

REFER ALSO TO LATEST NOTAMS - EXERCISE CAUTION DUE TO PRESENCE OF PERSONNEL & MACHINERY



PHASE 1.1:

Gate D-2 and nearby TWY T unserviceable.
Following taxi routes to be applied:

Take-off RWY 08: ACFT shall taxi via inner apron taxiway to Gate D-1, and from there via TWY T to TWY B-0, B-1 or B-2.

Take-off RWY 26: ACFT shall taxi via inner apron taxiway to Gate D-3, D-4 or D-5 and from there via TWY T to TWY B-6 or B-7

Landing RWY 08: ACFT shall vacate RWY via TWY B-4, B-5, B-6 or B-7 and taxi via TWY T to Gate D-3, D-4 or D-5 to access the apron.

Landing RWY 26: ACFT shall vacate RWY via TWY B-1, B-2 or B-3 and taxi via TWY T to Gate D-1 to access the apron.

PHASE 1.2:

HST B-3, nearby TWY T and parking stand E29 unserviceable.
Following taxi routes to be applied:

Take-off RWY 08: ACFT shall taxi via inner apron taxiway to Gate D-1, and from there via TWY T to TWY B-0, B-1 or B-2.

Take-off RWY 26: ACFT shall taxi via inner apron taxiway until they exit the apron via Gate D-2, D-3, D-4 or D-5 and from there via TWY T to TWY B-6 or B-7

Landing RWY 08: ACFT shall vacate RWY via TWY B-4, B-5, B-6 or B-7 and taxi via TWY T to Gate D-5, D-4, D-3 or D-2 to access the apron.

Landing RWY 26: ACFT shall vacate RWY via TWY B-1 or B-2 and taxi via TWY T to Gate D-1 to access the apron.

PHASE 1.3:

TWY T between HST B-3 and Gate D-1 as well as parking stands E29 thru E32 and J33 thru J36 unserviceable.
Following taxi routes to be applied:

Take-off RWY 08: ACFT shall taxi via inner apron taxiway to Gate D-1 and from there via TWY T to TWY B-0, B-1 or B-2.

Take-off RWY 26: ACFT shall taxi via inner apron taxiway until they exit the apron via Gate D-2, D-3, D-4 or D-5 and from there via TWY T to TWY B-6 or B-7.

Landing RWY 08: ACFT shall vacate RWY via TWY B-4, B-5, B-6 or B-7 and taxi via TWY T to Gate D-5, D-4, D-3 or D-2 to access the apron.

Landing RWY 26: ACFT shall vacate RWY either via TWY B-1 or B-2 and taxi via TWY T to Gate D-1 to access the apron, or via HST B-3 taxiing via TWY T to Gate D-2, D-3, D-4 or D-5 to access the apron.

GCTS/TFS

 **JEPPESSEN TENERIFE-SOUTH, CANARY IS**
25 MAR 16 **(10-8A)** **Eff 31 Mar**
REINA SOFIA

WORKS ON TWY T

REFER ALSO TO LATEST NOTAMS - EXERCISE CAUTION DUE TO PRESENCE OF PERSONNEL & MACHINERY

PHASE 1.4:

Gate D-1 and nearby TWY T unserviceable.
The following taxi routes shall be applied:

Take-off RWY 08: ACFT shall taxi via inner apron taxiway to Gate D-2, D-3, D-4 or D-5, and from there via TWY T to access RWY via TWY B-3, carrying out backtrack manoeuvre on RWY until vacating it via TWY B-2 and access the RWY again via TWY B-1.

Take-off RWY 26: ACFT shall taxi via inner apron taxiway to Gate D-2, D-3, D-4 or D-5, and from there via TWY T to TWY B-6 or B-7.

Landing RWY 08: ACFT shall vacate RWY via TWY B-4, B-5, B-6 or B-7 and taxi via TWY T to Gate D-5, D-4, D-3 or D-2 to access the apron.

Landing RWY 26: ACFT shall vacate RWY via TWY B-1 accessing the RWY again via TWY B-2, taxiing along the RWY until vacating it via HST B-3 and from there taxiing via TWY T to Gate D-2, D-3, D-4 or D-5 to access the apron.

PHASE 2.1:

Gate D-4 and nearby TWY T as well as parking stands H18 and T17 unserviceable.
Following taxi routes to be applied:

Take-off RWY 08: ACFT shall taxi via inner apron taxiway to Gate D-1, D-2 or D-3 and from there via TWY T to TWY B-0, B-1 or B-2.

Take-off RWY 26: ACFT shall taxi via inner apron taxiway to Gate D-5 and from there via TWY T to TWY B-6 or B-7.

Landing RWY 08: ACFT shall vacate RWY via TWY B-4, B-5, B-6 or B-7 and taxi via TWY T to Gate D-5 to access the apron.

Landing RWY 26: ACFT shall vacate RWY via TWY B-1, B-2 or B-3 and taxi via TWY T to Gate D-1, D-2 or D-3 to access the apron.

PHASE 2.2:

TWY T between Gates D-4 and D-5 as well as parking stands E13, H14, H15, T16 and T17 unserviceable.
Following taxi routes to be applied:

Take-off RWY 08: ACFT shall taxi via inner apron taxiway to Gate D-1, D-2, D-3 or D-4 and from there via TWY T to TWY B-0, B-1 or B-2.

Take-off RWY 26: ACFT shall taxi via inner apron taxiway to Gate D-5, and from there via TWY T to TWY B-6 or B-7.

Landing RWY 08: ACFT shall vacate RWY via TWY B-4, B-5, B-6 or B-7 and taxi via TWY T to Gate D-5 to access the apron.

Landing RWY 26: ACFT shall vacate RWY via TWY B-1, B-2 or B-3 and taxi via TWY T to Gate D-1, D-2, D-3 or D-4 to access the apron.

PHASE 2.3:

Gate D-5 and nearby TWY T as well as stand E13 unserviceable.
Following taxi routes to be applied:

Take-off RWY 08: ACFT shall taxi via inner apron taxiway to Gate D-1, D-2, D-3 or D-4 and from there via TWY T to TWY B-0, B-1 or B-2.

Take-off RWY 26: ACFT shall taxi via inner apron taxiway to Gate D-1, D-2, D-3 or D-4 and from there via TWY T to access the RWY via TWY B-3 taxiing along the RWY until vacating it via HST B-4, and from there, again via TWY T to TWY B-6 or B-7.

Landing RWY 08: ACFT shall vacate RWY via TWY B-5, B-6 or B-7 taxiing via TWY T to enter the RWY via TWY B-4 taxiing along the RWY until vacating it via HST B-3, and from there, again via TWY T to Gate D-1, D-2, D-3 or D-4 to access the apron.

Landing RWY 26: ACFT shall vacate RWY via TWY B-1, B-2 or B-3 and taxi via TWY T to Gate D-1, D-2, D-3 or D-4 to access the apron.

GCTS/TFS

Apt Elev 209'
N28 02.7 W016 34.4



JEPPESSEN

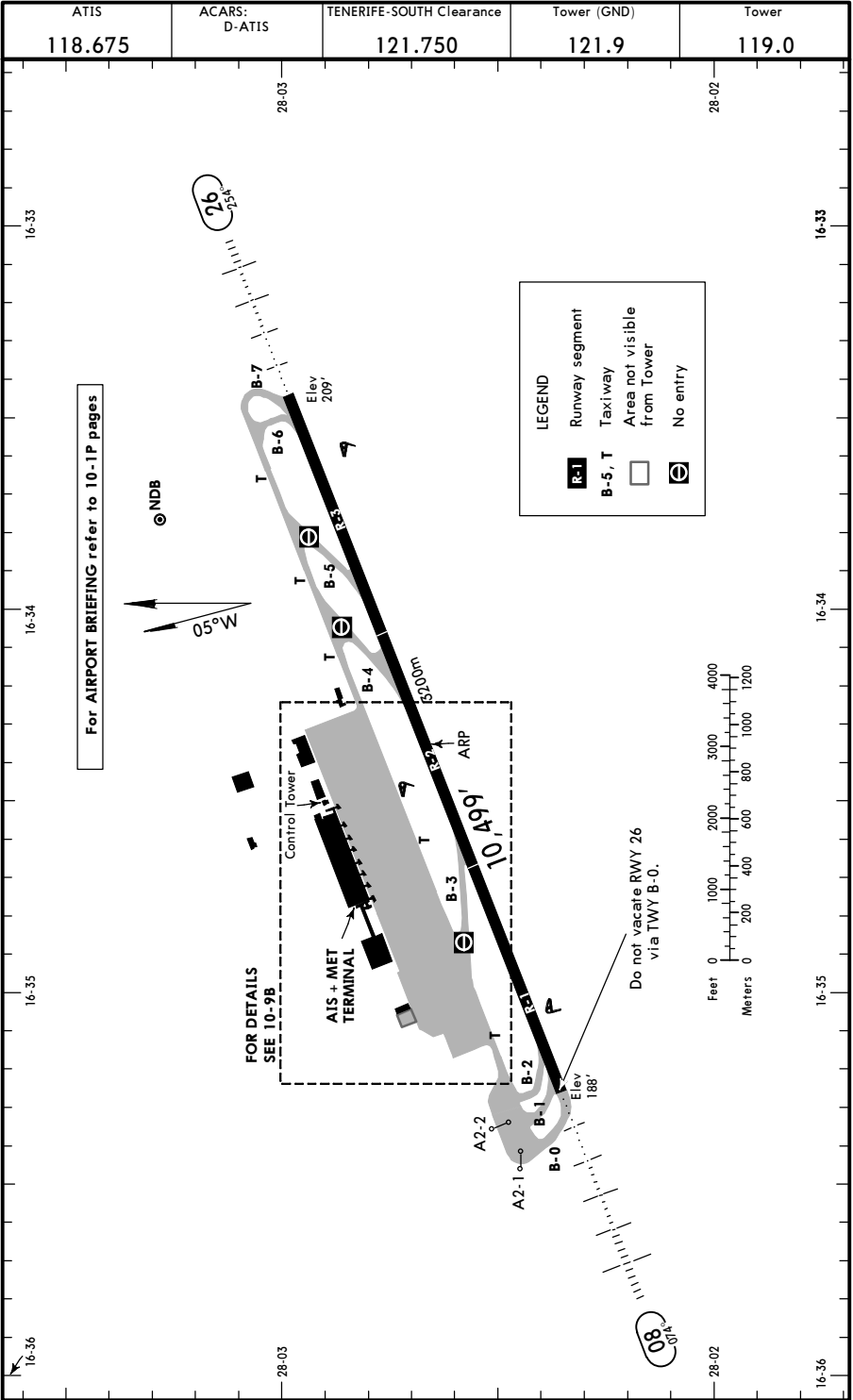
TENERIFE-SOUTH, CANARY IS

13 MAY 16

10-9

Eff 26 May

REINA SOFIA



[illegible]

① not suitable for B747-400 acft.

2 TAKE-OFF RUN AVAILABLE

RWY 08: From RWY head 10,499' (3200m)
TWY B2 int 9678' (2950m)

RWY 26: From RWY head 10,499' (3200m)
TWY B6 int 9843' (3000m)

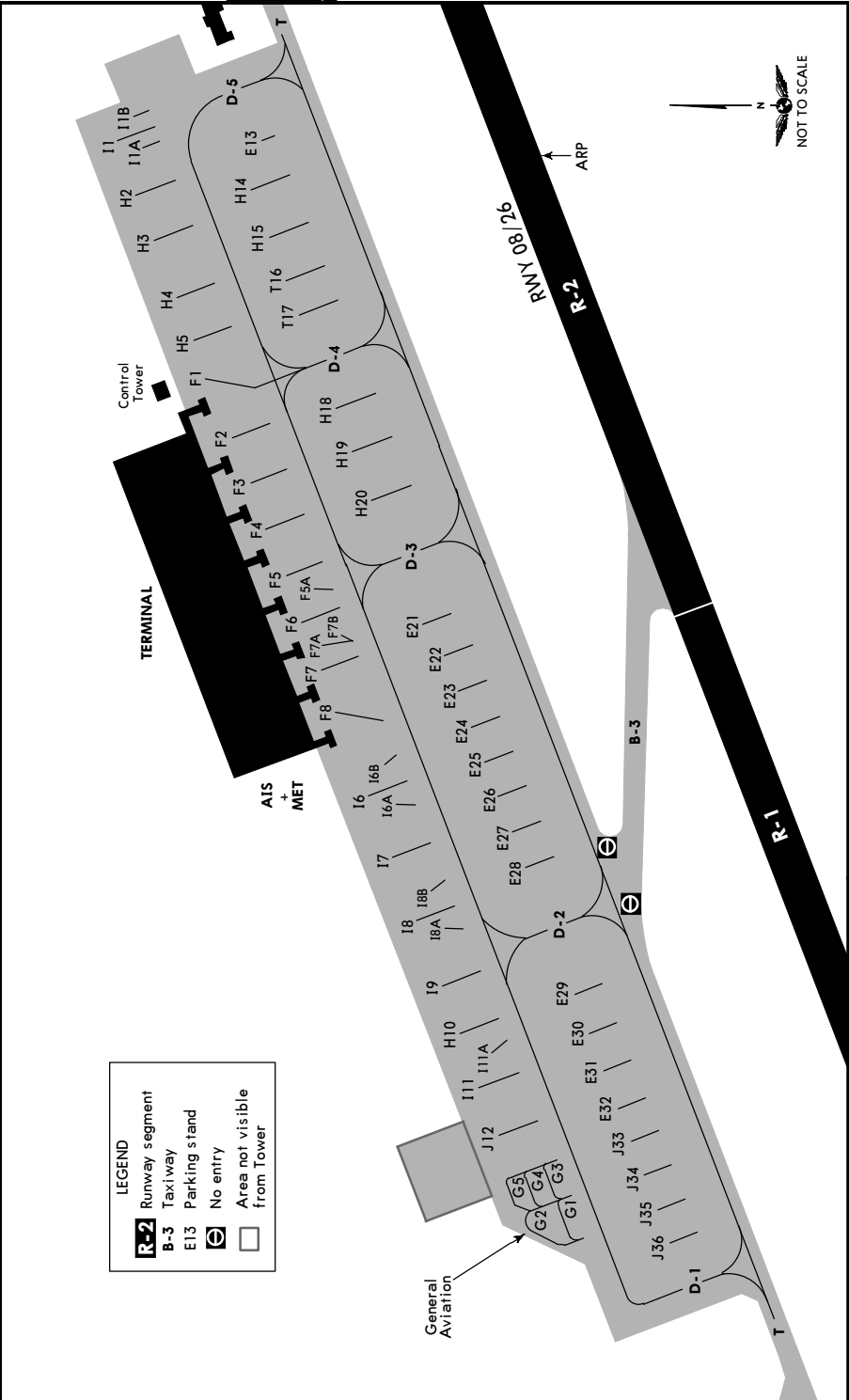
STAND No.	COORDINATES	STAND No.	COORDINATES
E13	N28 02.8 W016 34.3	H14	N28 02.9 W016 34.4
E21 thru E23	N28 02.7 W016 34.7	H15	N28 02.8 W016 34.4
E24 thru E27	N28 02.7 W016 34.8	H18	N28 02.8 W016 34.5
E28	N28 02.7 W016 34.9	H19, H20	N28 02.8 W016 34.6
E29	N28 02.6 W016 34.9	I1, I1A, I1B	N28 02.9 W016 34.3
E30 thru E32	N28 02.6 W016 35.0	I6, I6A, I6B	N28 02.8 W016 34.8
F1	N28 02.9 W016 34.5	I7	N28 02.9 W016 34.8
F2, F3	N28 02.9 W016 34.6	I8 thru I9	N28 02.7 W016 34.9
F4	N28 02.8 W016 34.6	I11, I11A, J12	N28 02.7 W016 35.0
F5 thru F8	N28 02.8 W016 34.7	J33 thru J36	N28 02.6 W016 35.1
G1	N28 02.6 W016 35.1	T16	N28 02.8 W016 34.4
G2 thru G5	N28 02.7 W016 35.1	T17	N28 02.8 W016 34.5
H2, H3	N28 02.9 W016 34.4		
H4, H5	N28 02.9 W016 34.5		
H10	N28 02.7 W016 35.0		

Standard	TAKE-OFF	
	RCLM (DAY only) or RL	NIL (DAY only)
A	800m	
B		
C		
D		

GCTS/TFS

JEPPesen
13 MAY 16
Eff 26 May 10-9B

TENERIFE-SOUTH, CANARY IS
REINA SOFIA



GCTS/TFS

TENERIFE-SOUTH, CANARY IS
REINA SOFIA**VISUAL DOCKING GUIDANCE SYSTEM****GENERAL**

This system contains information about azimuth guidance (shows the aircraft position with relation to the centerline of the parking area) and distance to the stop position, (based on a laser radar measurement), that is provided by a display unit, in front of the cockpit.

DISPLAY UNIT

Consists of:

1. One alphanumeric presentation line of 4 characters, composed by yellow LED, which can indicate several information: 'ACFT TYPE, STOP, OK, TOO FAR, SLOW DOWN, WAIT TEST, ID FAIL and DOWN GRADE'.
2. One line with a unit of yellow LED and 2 units of red/yellow LED for indication of acft azimuth and stop indication.
3. One column of 3 units of yellow LED in the center to indicate the distance to the stop position.

PILOT INSTRUCTIONS**GENERAL ADVICE**

When the pilot is not sure about the information shown in the display unit, he must immediately stop the acft and obtain more information to proceed.

1. DOCKING START

When the system starts (manually operated by an operator in ground), it shows the flashing message: 'WAIT TEST'.

2. CAPTURE

When the system is working in capture way, looking for the approaching acft, the system shows vertical floating arrows. The first line of the display unit will show the 'ACFT TYPE'.

ADVICE: If the system does not show vertical arrows in movement and an acft type like the approaching acft, the pilot must not enter into the stand point area.

3. MONITORING

When the acft has been captured by the laser, the floating arrows are substituted by the yellow indicator in the centerline. A flashing red arrow shows the pilot the direction of turn in order to line-up along the stand edge. If the system does not show the direction arrows, it means the acft is over the centerline.

4. APPROACH RATE

When the acft is less than 52'/16m from the stop point, the approach rate is shown by one LED line turn-off from the centerline each 2'/0,7m covered when the acft moves until the stop position.

5. SPEED REDUCTION

When the acft exceeds the programmed approach speed, the display unit will show 'SLOW DOWN' such as advice to pilot.

6. REACHING STOP POINT

When the correct stop point is reached, the display unit shows STOP and red bar lights turn on.

7. DOCKING FINISHED

When the acft is parked, the display unit shows 'OK'.

8. EXCEEDED

When the acft exceeds the stop point, the display unit shows 'TOO FAR'.

9. WAIT

When the detected acft is lost during the docking routine, 39'/12m before the stop point, the display unit will show 'WAIT'. The routine will continue when the system detects the acft again.

10. ADVERSE METEOROLOGICAL CONDITIONS

When the system visibility is reduced due to any reason, the display unit will show 'DOWN GRADE'. As soon as the system identifies the acft, the display unit will show the rate approach bar in order to continue the docking routine.

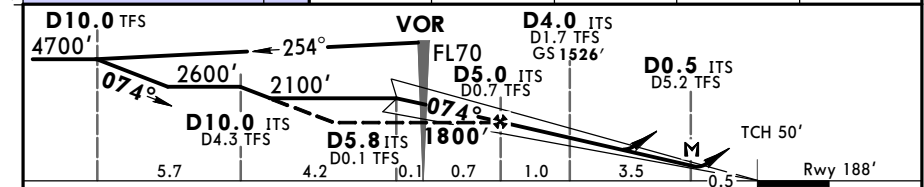
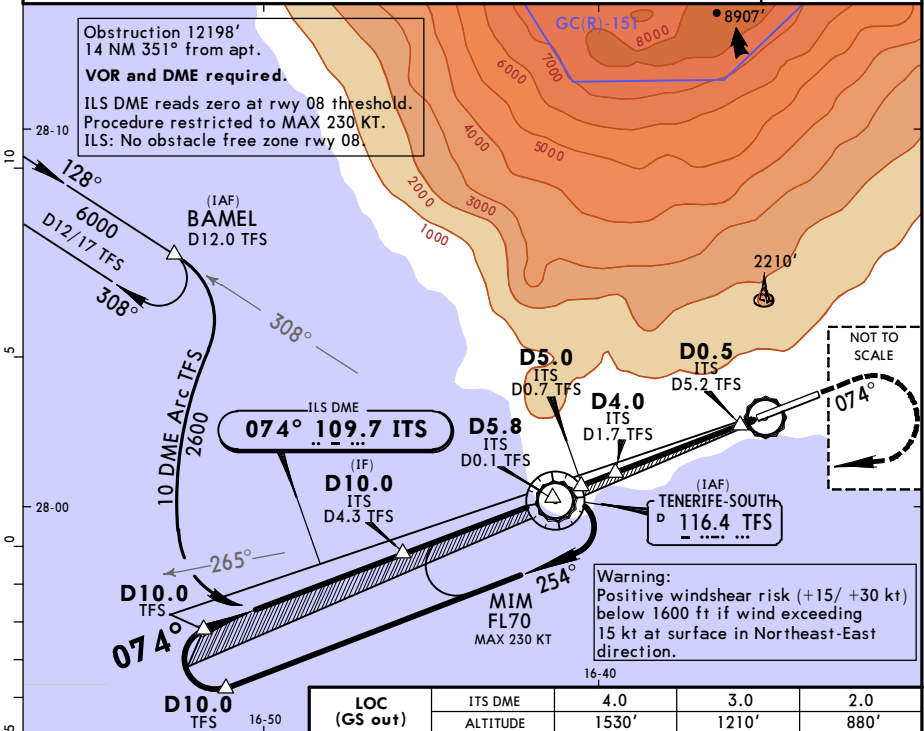
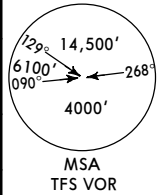
ADVICE: The pilot must not exceed the boarding bridge unless the message 'DOWN GRADE' had been substituted by the rate approach bar.



GCTS/TFS
REINA SOFIA

JEPPesen TENERIFE-SOUTH, CANARY IS
13 MAY 16 (11-1) Eff 26 May ILS Z or LOC Z Rwy 08

ATIS 118.675	TENERIFE-SOUTH Approach (R) 127.7	TENERIFE-SOUTH Tower 119.0	Ground 121.9
LOC ITS 109.7	Final Apt Crs 074°	GS D4.0 ITS 1526' (1338')	ILS DA(H) Refer to Minimums Apt Elev 209' Rwy 188'
MISSED APCH: Climb STRAIGHT AHEAD to 5000', then turn RIGHT (MAX 220 KT) to VOR at FL70 and join holding.			
Alt Set: hPa	Rwy Elev: 7 hPa	Trans level: By ATC	Trans alt: 6000'



Gnd speed-Kts	70	90	100	120	140	160
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	849
MAP at D0.5 ITS / D5.2 TFS						

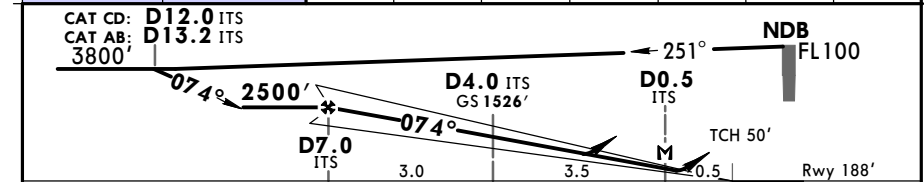
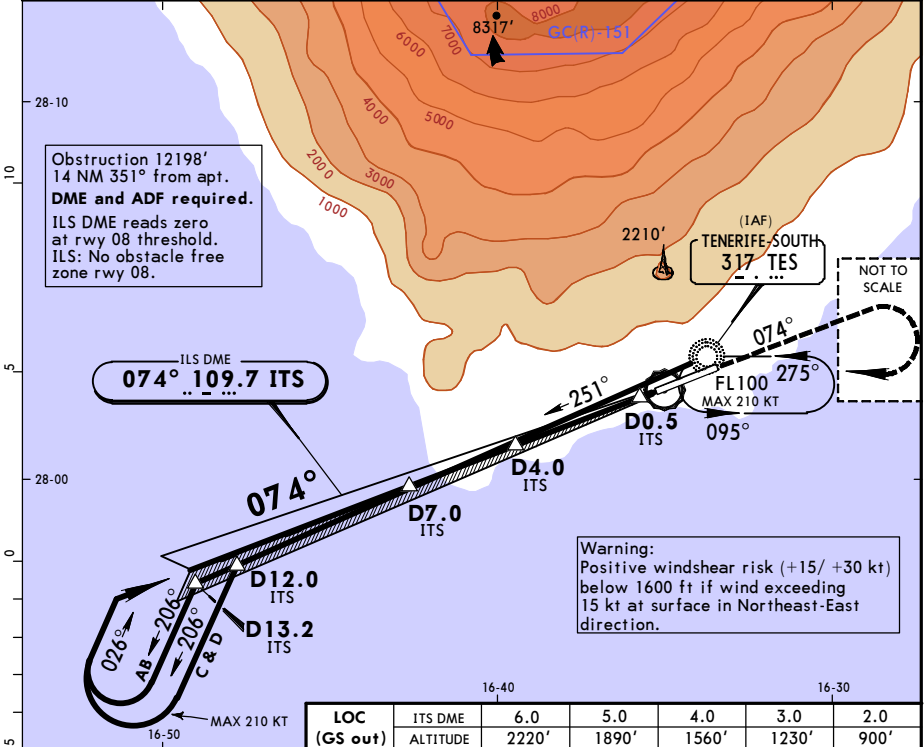
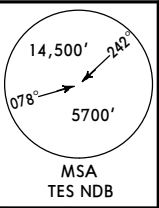
Standard				STRAIGHT-IN LANDING RWY 08		LOC (GS out)		CIRCLE-TO-LAND	
Missed Apch climb gradient mim 3.0 %		Missed Apch climb gradient mim 2.5 %		DA(H) 1 D: 446' (258')		DA(H) 2 D: 459' (271')		DA(H) 700' (512')	
FULL/Limited		ALS out		FULL/Limited		ALS out		ALS out	
A									
B									
C									
D									

CHANGES: Minimums. © JEPPesen, 2000, 2016. ALL RIGHTS RESERVED.

GCTS/TFS
REINA SOFIA

JEPPesen TENERIFE-SOUTH, CANARY IS
13 MAY 16 **11-2** Eff 26 May ILS Y or LOC Y Rwy 08

ATIS 118.675	TENERIFE-SOUTH Approach (R) 127.7	TENERIFE-SOUTH Tower 119.0	Ground 121.9
LOC ITS 109.7	Final Aptch Crs 074°	GS D4.0 ITS 1526' (1338')	ILS DA(H) Refer to Minimums Apt Elev 209' Rwy 188'
MISSed APCH: Climb STRAIGHT AHEAD to 5500', then turn RIGHT (MAX 220 KT) to NDB at FL100 and join holding.			
Alt Set: hPa	Rwy Elev: 7 hPa	Trans level: By ATC	Trans alt: 6000'



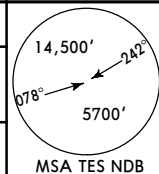
Gnd speed-Kts	70	90	100	120	140	160	
ILS GS	3.00°	372	478	531	637	743	849
LOC Desc Angle	3.10°	384	494	548	658	768	878
MAP at D0.5 ITS							

Standard		STRAIGHT-IN LANDING RWY 08				LOC (GS out)		CIRCLE-TO-LAND	
Missed Apch climb gradient mim 3.0 %		ILS		Missed Apch climb gradient mim 2.5 %				Not authorized North of rwy	
DA(H) 1 C: 435' (247') D: 446' (258')		DA(H) 2 C: 448' (260') D: 459' (271')				DA(H) 800' (612')			
FULL/Limited		ALS out		FULL/Limited		ALS out		ALS out	
A	RVR 800m	RVR 1200m	RVR 800m	RVR 1200m	RVR 1500m		Max Kts	MDA(H)	VIS
B						100	1180' (971')	1500m	
C						135	1250' (1041')	1600m	
D						180	1350' (1141')	2400m	
					CMV 2100m	CMV 2400m	205	1350' (1141')	3600m
1 DA(H) CAT A: 415' (227'), CAT B: 427' (239'). 2 DA(H) CAT A: 428' (240'), CAT B: 440' (252').									

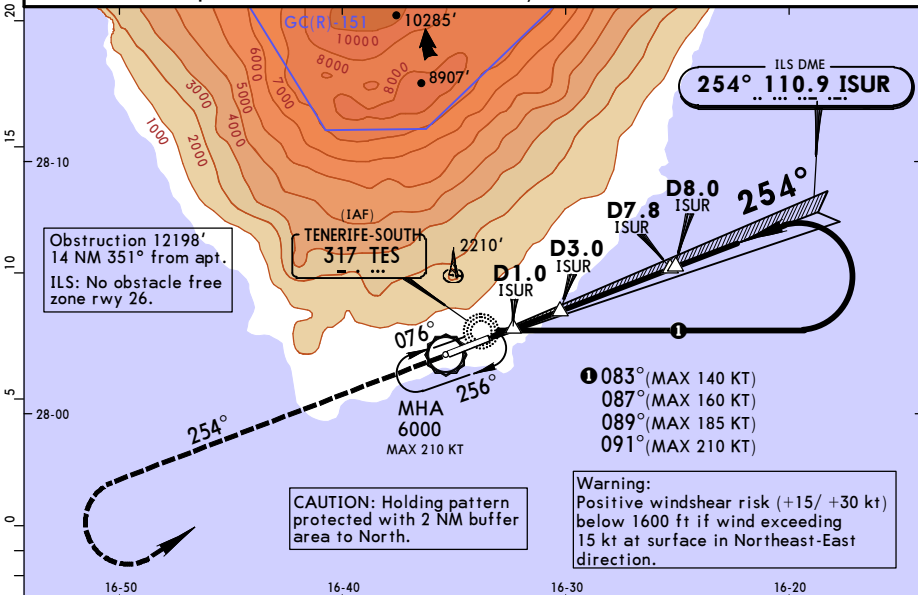
GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
13 MAY 16 **(11-3) Eff 26 May** ILS Z or LOC Z Rwy 26

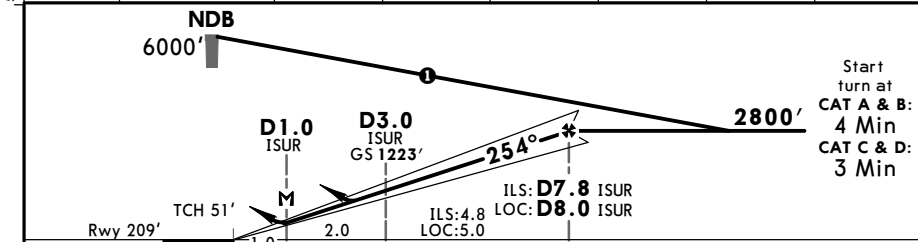
BRIEFING STRIP™	ATIS 118.675	TENERIFE-SOUTH Approach (R) 127.7	TENERIFE-SOUTH Tower 119.0	Ground 121.9
	LOC ISUR 110.9	Final Apch Crs 254°	GS D3.0 ISUR 1223' (1014')	ILS DA(H) Refer to Minimums Apt Elev 209' Rwy 209'
	MISSED APCH: Climb on 254° to 4000'. Turn LEFT to NDB climbing to 6000' and join holding.			



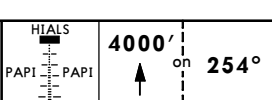
Alt Set: hPa Rwy Elev: 8 hPa Trans level: By ATC Trans alt: 6000'
1. ADF and DME required. 2. ILS DME reads zero at rwy 26 threshold.



LOC (GS out)	ISUR DME	2.0	3.0	4.0	5.0	6.0	7.0
	ALTITUDE	910'	1240'	1560'	1890'	2210'	2540'



1.0							HIALS		4000'		on 254°	
Gnd speed-Kts	70	90	100	120	140	160	PAPI		PAPI			
ILS GS	3.00°	377	484	538	646	753	PAPI		PAPI			
LOC Descent Angle	3.10°	383	492	547	656	765	PAPI		PAPI			
MAP at D1.0 ISUR							PAPI		PAPI			



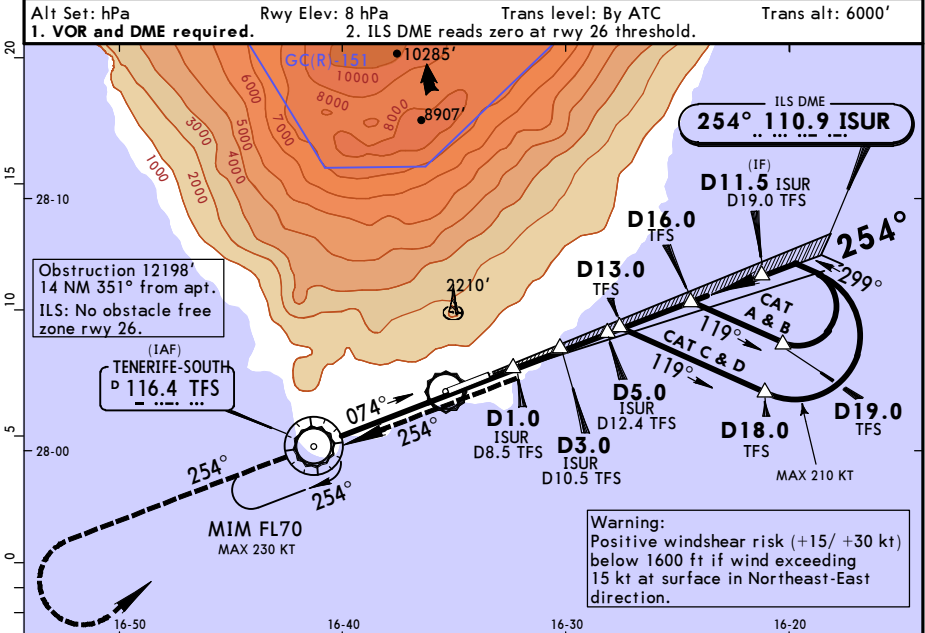
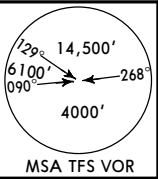
STRAIGHT-IN LANDING RWY 26				CIRCLE-TO-LAND	
ILS				Not authorized North of rwy	
DA(H) A: 426'(217') C: 446'(237')		LOC (GS out) DA(H) 710'(501')			
B: 438'(229') D: 456'(247')					
FULL/Limited		ALS out		Max Kts	MDA(H) VIS
				100	1620'(1411') 1500m
				135	1620'(1411') 1600m
				180	1720'(1511') 2400m
				205	1720'(1511') 3600m

PANS OPS

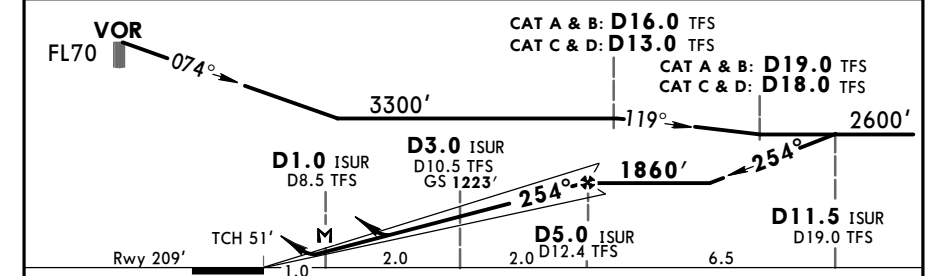
GCTS/TFS
REINA SOFIA

JEPPESSEN TENERIFE-SOUTH, CANARY IS
13 MAY 16 **11-4** Eff 26 May ILS Y or LOC Y Rwy 26

ATIS 118.675	TENERIFE-SOUTH Approach (R) 127.7	TENERIFE-SOUTH Tower 119.0	Ground 121.9
LOC ISUR 110.9	Final Aptch Crs 254°	GS D3.0 ISUR 1223' (1014')	ILS DA(H) Refer to Minimums Apt Elev 209' Rwy 209'
MISSED APCH: Climb on R-074 inbound to 5000', then turn LEFT direct to VOR climbing to FL70 and join holding.			
Alt Set: hPa Rwy Elev: 8 hPa Trans level: By ATC Trans alt: 6000'			
1. VOR and DME required. 2. ILS DME reads zero at rwy 26 threshold.			



LOC (GS out)	ISUR DME ALTITUDE	2.0 920'	3.0 1250'	4.0 1580'
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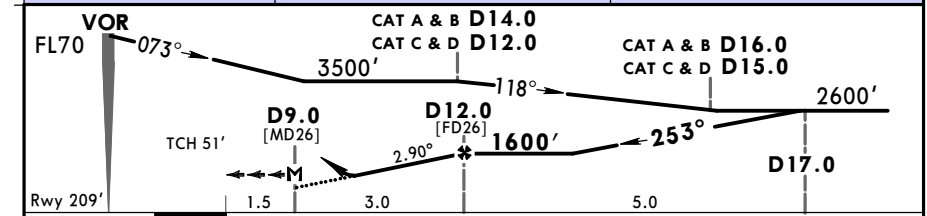
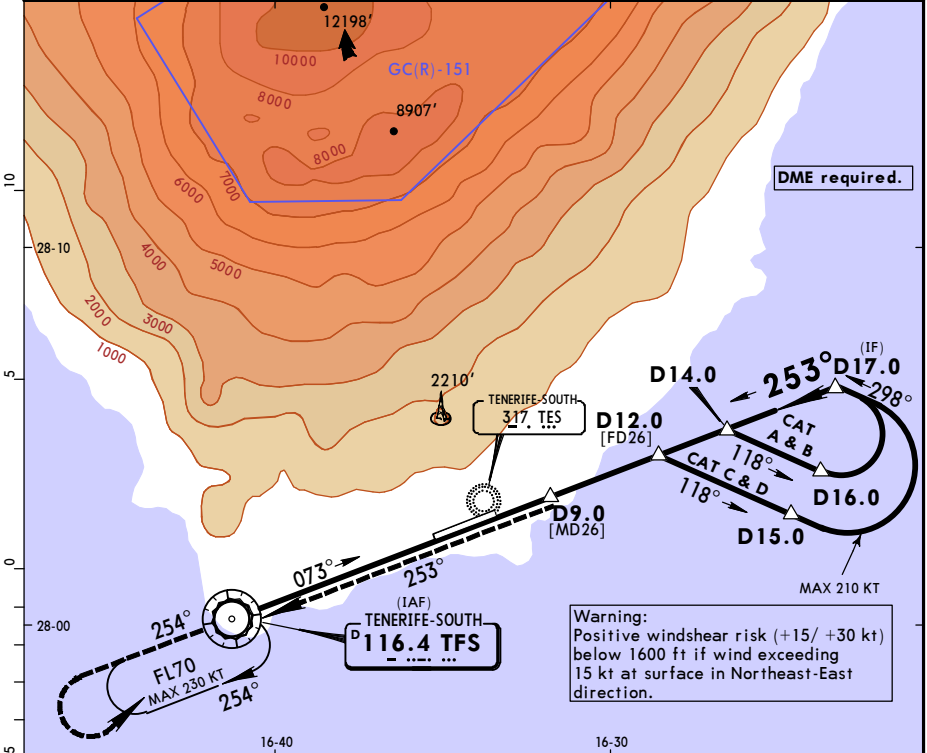
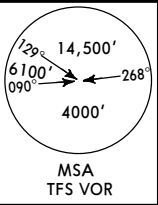
Gnd speed-Kts	70	90	100	120	140	160
ILS GS	3.00°	377	484	538	646	753
LOC Descent Angle	3.10°	383	492	547	656	875
MAP at D1.0 ISUR / D8.5 TFS						

Standard STRAIGHT-IN LANDING RWY 26				CIRCLE-TO-LAND			
ILS				LOC (GS out)			
DA(H) A: 409' (200') C: 418' (209') B: 410' (201') D: 428' (219')				DA(H) 720' (511')			
FULL/Limited		ALS out		ALS out		Max Kts	MDA(H) VIS
A		RVR 800m		RVR 1500m		100	1620' (1411') 1500m
B		RVR 1200m		RVR 1600m		135	1620' (1411') 1600m
C		RVR 1200m		CMV 2400m		180	1720' (1511') 2400m
D		RVR 1200m		CMV 2400m		205	1720' (1511') 3600m

GCTS/TFS
REINA SOFIA

JEPPesen TENERIFE-SOUTH, CANARY IS
22 JAN 16 (13-2) Eff 4 Feb
VOR Rwy 26

ATIS 118.675	TENERIFE-SOUTH Approach (R) 127.7	TENERIFE-SOUTH Tower 119.0	Ground 121.9
VOR TFS 116.4	Final Appch Crs 253°	Minimum Alt D12.0 1600' (1391')	DA(H) 1330' (1121')
Apt Elev 209'			Rwy 209'
MISSED APCH: Climb on R-073 inbound to 5000', then direct to VOR at FL70 and join holding.			
Alt Set: hPa	Rwy Elev: 8 hPa	Trans level: By ATC	Trans alt: 6000'



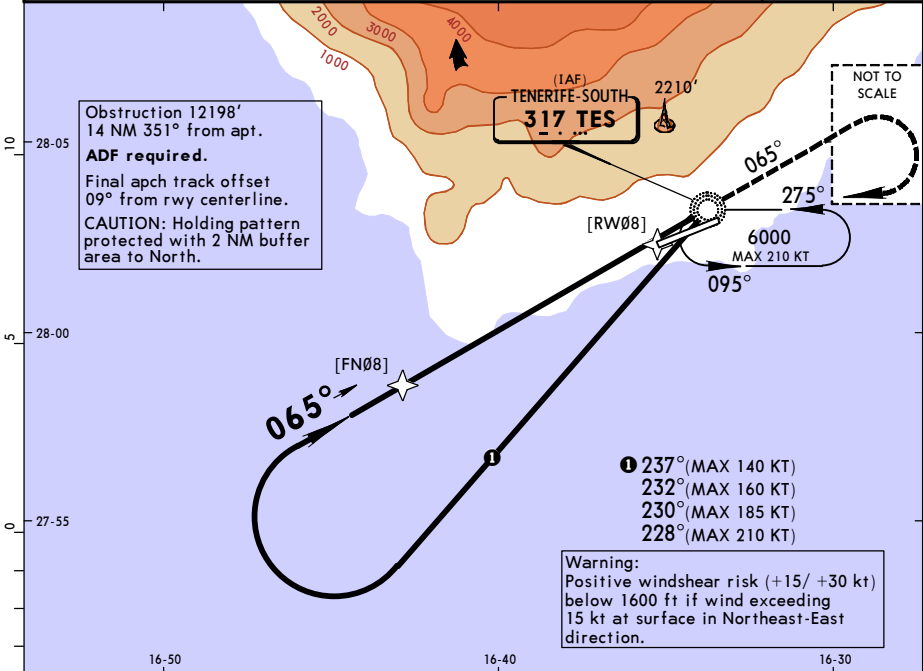
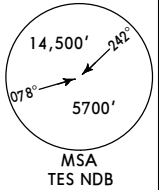
Gnd speed-Kts	70	90	100	120	140	160	HIALS		5000'
Descent Angle 2.90°	359	462	513	616	718	821	PAPI		PAPI
MAP at D9.0									
Standard STRAIGHT-IN LANDING RWY 26							CIRCLE-TO-LAND		
DA(H) 1330' (1121')							Not authorized North of rwy		
ALS out							Max Kts	MDA(H)	VIS
A	RVR 1500m						100	1620' (1411')	1500m
B							135	1620' (1411')	1600m
C							180	1720' (1511')	2400m
D	CMV 2400m						205	1720' (1511')	3600m

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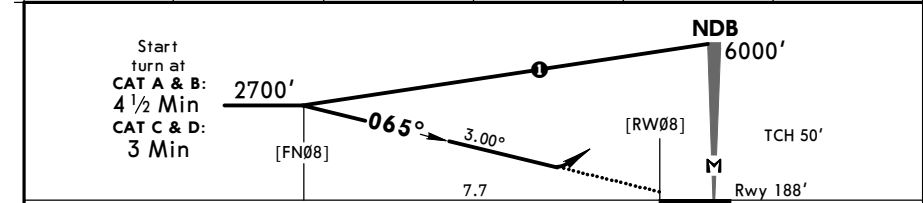
JEPPesen TENERIFE-SOUTH, CANARY IS
22 JAN 16 (16-1) Eff 4 Feb
NDB Rwy 08

BRIEFING STRIP™	ATIS 118.675		TENERIFE-SOUTH Approach (R) 127.7		TENERIFE-SOUTH Tower 119.0		Ground 121.9	
	NDB TES 317		Final Apch Crs 065°		Minimum Alt No FAF		CDFA DA(H) 1080' (892')	
							Apt Elev 209' Rwy 188'	
	MISSED APCH: Climb on 065° to 4000'. Turn RIGHT to NDB climbing to 6000' and join holding.							
	Alt Set: hPa		Rwy Elev: 7 hPa		Trans level: By ATC		Trans alt: 6000'	

14,500'
40°
078°
5700'
MSA
TES NDB



DIST to RW08	7.0	6.0	5.0	4.0	3.0
ALTITUDE	2480'	2160'	1850'	1530'	1210'

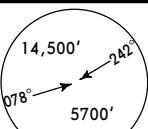


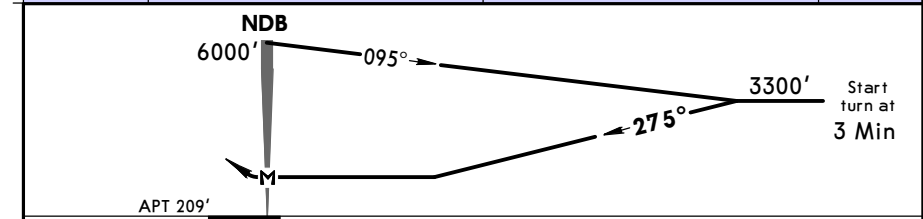
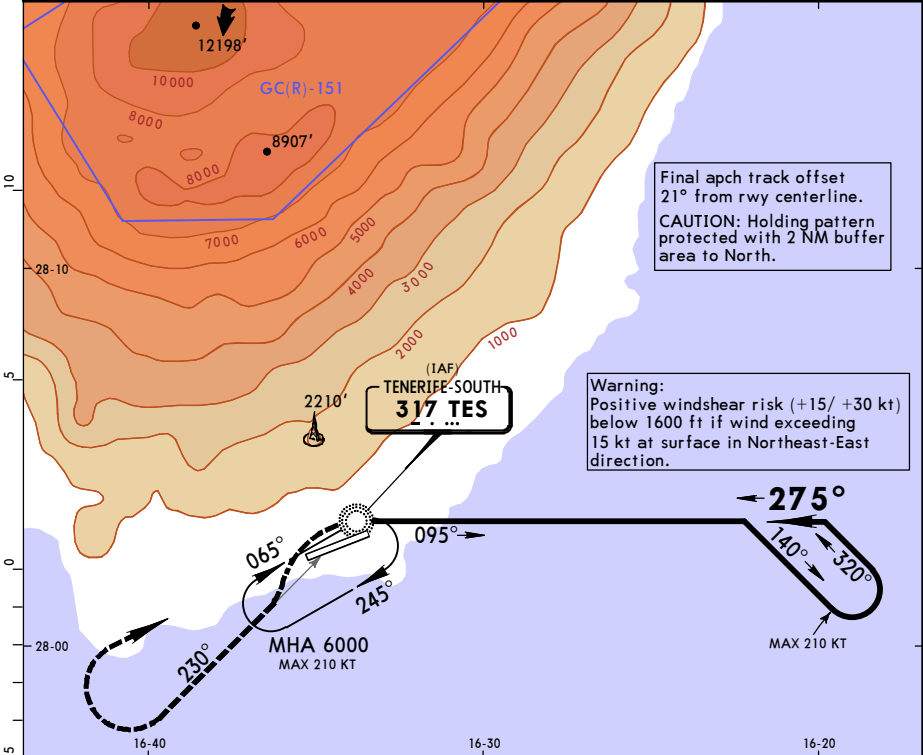
Gnd speed-Kts	70	90	100	120	140	160
Descent Angle	3.00°	372	478	531	637	743
MAP at NDB						
						HIALS PAPI PAPI 4000' on 065°

Standard				STRAIGHT-IN LANDING RWY 08		CIRCLE-TO-LAND	
CDFA		non-CDFA		Not authorized		North of rwy	
DA(H) 1080' (892')		MDA(H) 1080' (892')					
ALS out		ALS out		Max Kts		MDA(H) VIS	
A		B		100		1620' (1411') 1500m	
B		C		135		1620' (1411') 1600m	
C		D		180		1720' (1511') 14000m	
D				205			

GCTS/TFS
REINA SOFIA

22 JAN 16 **16-2** **Eff 4 Feb** **JEPPESEN TENERIFE-SOUTH, CANARY IS**
NDB

BRIEFING STRIP™	ATIS 118.675		TENERIFE-SOUTH Approach (R) 127.7		TENERIFE-SOUTH Tower 119.0		Ground 121.9			
	NDB TES 317		Final Apch Crs 275°		Minimum Alt No FAF		MDA(H) Refer to Minimums			Apt Elev 209'
	MISSED APCH: Turn LEFT (MAX 185 KT) to intercept and follow 230° from NDB climbing to 6000', then turn RIGHT to NDB and join holding.									
	Alt Set: hPa		Apt Elev: 8 hPa		Trans level: By ATC		Trans alt: 6000'			
	MSA TES NDB									



MAP at NDB				Lighting - Refer to Airport Chart	185 KT MAX LT	TES 317 230°
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Standard			CIRCLE-TO-LAND Not authorized North of rwy		
			Max Kts	MDA(H)	VIS
			A 100	1460' (1251')	1500m
			B 135	1780' (1571')	1600m
			C 180	1880' (1671')	2400m
			D 205	1880' (1671')	3600m



Chart changes since cycle 12-2016

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT PROCEDURE IDENT

INDEX

REV DATE

EFF DATE

TENERIFE-SOUTH, (REINA SOFIA - GCTS)

TERMINAL CHART CHANGE NOTICES

Chart Change Notices for Airport GCTS

Type: Terminal

Effectivity: Temporary

Begin Date: 20160428

End Date: 20161110

Eff 28 APR 16 due to temporary unavailability of FTV VORME, STARs RUSIK 3DCG and RUSIK 4DCH not usable. Refer to temp charts and latest NOTAMs.

Type: Terminal

Effectivity: Temporary

Begin Date: 20160331

End Date: 20161031

Works on TWY T (based on SUP 21-16). Refer to temp charts 10-8/10-8A and latest NOTAMs.

Chart Change Notices for Country XJE

Type: Gen Tmnl

Effectivity: Temporary

Begin Date: 20160428

End Date: 20161110

With eff 28 APR 16 FTV VORDME unserviceable. Temporary SIDs/STARs established. Refer to temp charts and latest NOTAMs.