

CARTA DE LLEGADA NORMALIZADA
VUELO POR INSTRUMENTOS (STAR)-OACI

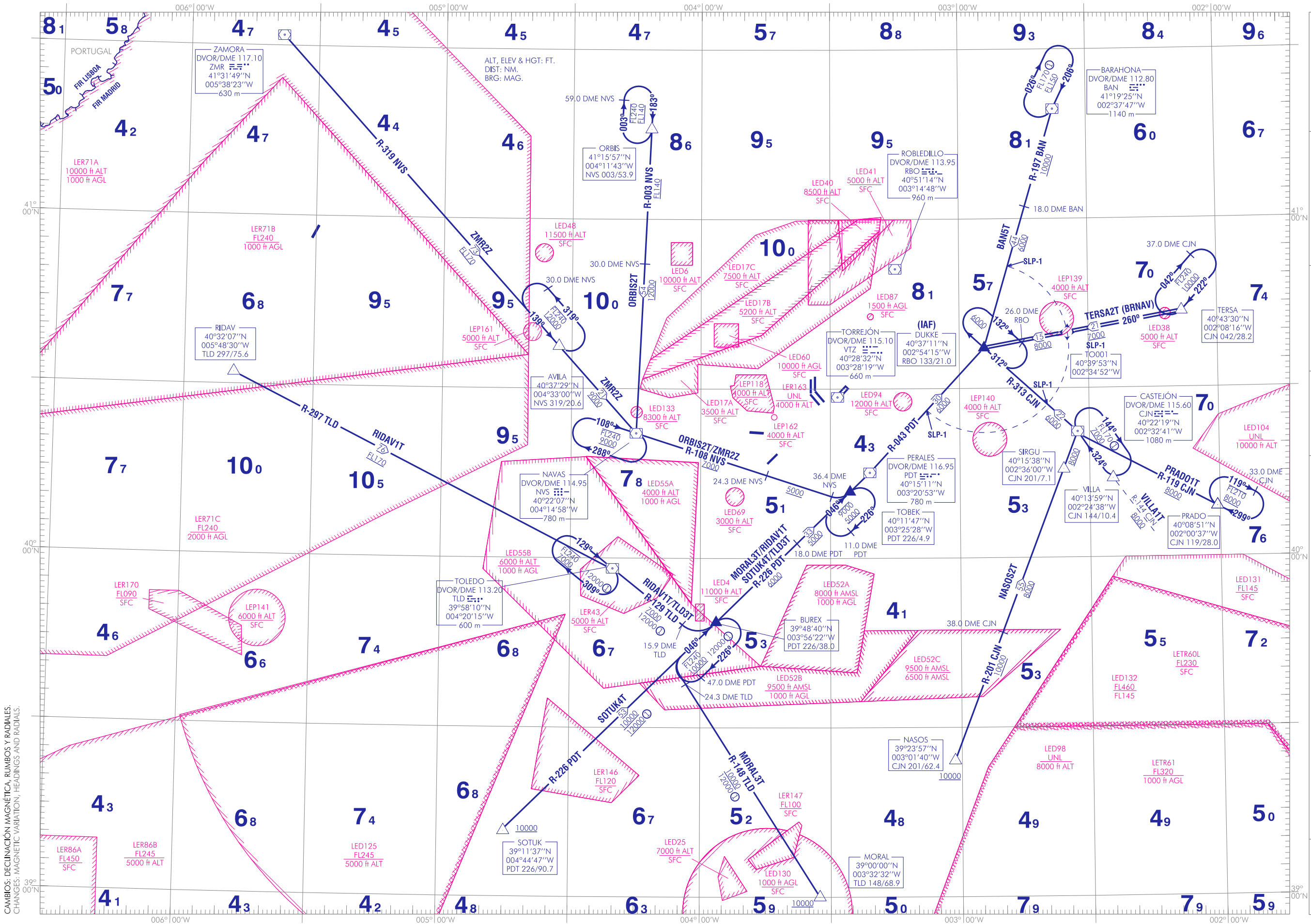
VAR 0° (2020)

TA 13000

APP 119.950 MHz
258.925 MHz
254.975 MHz
TWR 122.100 MHz

MADRID/Torrejón

BAN5T MORAL3T NASOS2T ORBIS2T
PRADO1T RIDAV1T SOTUK4T TERSA2T
TLD3T VILLA1T ZMR2Z



PLANIFICACIÓN DE DESCENSO EN TMA MADRID
(ÚNICAMENTE SE EFECTUARÁ PREVIA
AUTORIZACIÓN ATC) PARA ESTAR EN LOS
PUNTOS LÍMITE DE AUTORIZACIÓN A FL140
Y EN LOS IAF TOBEK Y ASBIN ESTABLECIDOS A
5000 ft Y 6000 ft RESPECTIVAMENTE.
DESCENT PLANNING WITHIN TMA MADRID
(ONLY CARRIED OUT WITH PRIOR ATC CLEARANCE)
TO BE OVER THE CLEARANCE LIMIT POINTS AT
FL140 AND OVER IAF TOBEK AND ASBIN STABLE
AT 5000 ft AND 6000 ft RESPECTIVELY.

AJUSTE DE VELOCIDAD // SPEED ADJUSTMENT

MAX IAS 250 kt
SLP-1 BAN5T: R-197/29.0 DME BAN
SLP-1 MORAL3T, ORBIS2T, RIDAV1T, SOTUK4T,
TLD3T, ZMR2Z:
R-043/15.0 DME PDT
SLP-1 NASOS2T, PRADO1T, VILLA1T:
R-313/7.2 DME CJN
SLP-1 TERSA2T (BRNAV): TO001

MAX IAS 220 kt
SLP-2: AL ABANDONAR LOS CLEARANCE LIMITS.
WHEN LEAVING THE CLEARANCE LIMITS.

NOTAS:
① ALTITUD MÍNIMA EXCEPTO AUTORIZACIÓN
ATC.
- TERSTA2T: SE REQUIERE APROBACIÓN
B-RNAV.

NOTES:
① MINIMUM ALTITUDE UNLESS CLEARED BY
ATC.
- TERSTA2T: BRNAV APPROVAL REQUIRED.

--- PUNTOS LÍMITE DE VELOCIDAD.
SPEED LIMIT POINTS.
(SLP-1)

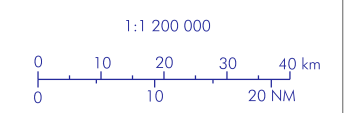
--- TRAMO INICIAL DE APROXIMACIÓN.
INITIAL APPROACH SEGMENT.

TERSA
40°43'30"N
002°08'16"W
CJN 042/28.2

PRADO
40°08'51"N
002°00'37"W
CJN 119/28.0

LETR60L
FL230
SFC

LETR61
FL320
1000 ft AGL



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MADRID/Torrejón AD

LLEGADAS NORMALIZADAS POR INSTRUMENTOS (STAR)

PISTA 22

NOTA APLICABLE A TODAS LAS STAR:

Planificación de descenso en TMA MADRID (únicamente se efectuará previa autorización ATC) para estar en los puntos límite de autorización a FL140.

LLEGADA BARAHONA CINCO TANGO (BAN5T)
DVOR/DME BAN, DUKKE (IAF).

→ **LLEGADA MORAL TRES TANGO (MORAL3T)**
MORAL, R-148/24.3 DME TLD, R-226 PDT, BUREX, TOBEK, DVOR/DME PDT, DUKKE (IAF).

LLEGADA NASOS DOS TANGO (NASOS2T)
NASOS, SIRGU, DVOR/DME CJN, DUKKE (IAF).

→ **LLEGADA ORBIS DOS TANGO (ORBIS2T)**
ORBIS, DVOR/DME NVS, R-108/36.4 DME NVS, R-226 PDT, TOBEK, DVOR/DME PDT, DUKKE (IAF).

LLEGADA PRADO UNO TANGO (PRADO1T)
PRADO, DVOR/DME CJN, DUKKE (IAF).

→ **LLEGADA RIDAV UNO TANGO (RIDAV1T)**
RIDAV, DVOR/DME TLD, R-129/15.9 DME TLD, R-226 PDT, BUREX, TOBEK, DVOR/DME PDT, DUKKE (IAF).

LLEGADA SOTUK CUATRO TANGO (SOTUK4T)
SOTUK, BUREX, TOBEK, DVOR/DME PDT, DUKKE (IAF).

LLEGADA TERSA DOS TANGO (TERSA2T). Se requiere aprobación B-RNAV
TERSA, TO001, DUKKE (IAF).

→ **LLEGADA TOLEDO TRES TANGO (TLD3T)**
DVOR/DME TLD, R-129/15.9 DME TLD, R-226 PDT, BUREX, TOBEK, DVOR/DME PDT, DUKKE (IAF).

LLEGADA VILLA UNO TANGO (VILLA1T)
VILLA, DVOR/DME CJN, DUKKE (IAF).

→ **LLEGADA ZAMORA DOS ZULU (ZMR2Z)**
DVOR/DME ZMR, AVILA, DVOR/DME NVS, R-108/36.4 DME NVS, R-226 PDT, TOBEK, DVOR/DME PDT, DUKKE (IAF).

STANDARD INSTRUMENT ARRIVALS (STAR)

PISTA 22

NOTE APPLICABLE TO ALL STAR:

Descent planning in TMA MADRID (will be done only with prior ATC clearance) in order to be over the clearance limit points at FL140.

BARAHONA FIVE TANGO ARRIVAL (BAN5T)
DVOR/DME BAN, DUKKE (IAF).

MORAL THREE TANGO ARRIVAL (MORAL3T)
MORAL, R-148/24.3 DME TLD, R-226 PDT, BUREX, TOBEK, DVOR/DME PDT, DUKKE (IAF).

NASOS TWO TANGO ARRIVAL (NASOS2T)
NASOS, SIRGU, DVOR/DME CJN, DUKKE (IAF).

ORBIS TWO TANGO ARRIVAL (ORBIS2T)
ORBIS, DVOR/DME NVS, R-108/36.4 DME NVS, R-226 PDT, TOBEK, DVOR/DME PDT, DUKKE (IAF).

PRADO ONE TANGO ARRIVAL (PRADO1T)
PRADO, DVOR/DME CJN, DUKKE (IAF).

RIDAV ONE TANGO ARRIVAL (RIDAV1T)
RIDAV, DVOR/DME TLD, R-129/15.9 DME TLD, R-226 PDT, BUREX, TOBEK, DVOR/DME PDT, DUKKE (IAF).

SOTUK FOUR TANGO ARRIVAL (SOTUK4T)
SOTUK, BUREX, TOBEK, DVOR/DME PDT, DUKKE (IAF).

TERSA TWO TANGO ARRIVAL (TERSA2T). B-RNAV approval required
TERSA, TO001, DUKKE (IAF).

TOLEDO THREE TANGO ARRIVAL (TLD3T)
DVOR/DME TLD, R-129/15.9 DME TLD, R-226 PDT, BUREX, TOBEK, DVOR/DME PDT, DUKKE (IAF).

VILLA ONE TANGO ARRIVAL (VILLA1T)
VILLA, DVOR/DME CJN, DUKKE (IAF).

ZAMORA TWO ZULU ARRIVAL (ZMR2Z)
DVOR/DME ZMR, AVILA, DVOR/DME NVS, R-108/36.4 DME NVS, R-226 PDT, TOBEK, DVOR/DME PDT, DUKKE (IAF).

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