

Page 1
Changed chart(s) since Disc 22-2010
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.
ACT PROCEDURE IDENT INDEX REV DATE EFF DATE

No revision activity since Disc 22-2010

TERMINAL CHART NOTAMS

Chart NOTAMs for Airport LEVT

Type: Terminal

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

Until aprx 01 MAY 11 Construction works affecting usability of rwy 04/22 and connecting twys. Refer to temp chart and to latest NOTAMs.

LEVT (Foronda)**General Info**

Vitoria, ESP

N 42° 53.0' W 02° 43.5' Mag Var: 3.1°W

Elevation: 1682'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: 100LL, Jet A-1

Time Zone Info: GMT+1:00 uses DST

Runway Info

Runway 04-22 11483' x 148' concrete

Runway 04 (38.0°M) TDZE 1658'

Lights: Edge, ALS, Centerline, REIL, TDZ

Right Traffic

Runway 22 (218.0°M) TDZE 1682'

Lights: Edge, ALS, Centerline, REIL

Communications InfoVitoria Tower **118.45**Vitoria Tower **257.80** MilitaryVitoria Ground Control **121.8****Notebook Info**

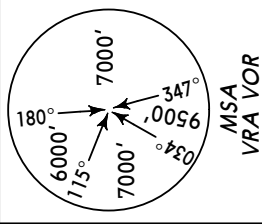
LEVT/VIT
FORONDA

JEPPesen
22 MAY 09 **10-2** **Eff 4 Jun**

VITORIA, SPAIN

STAR

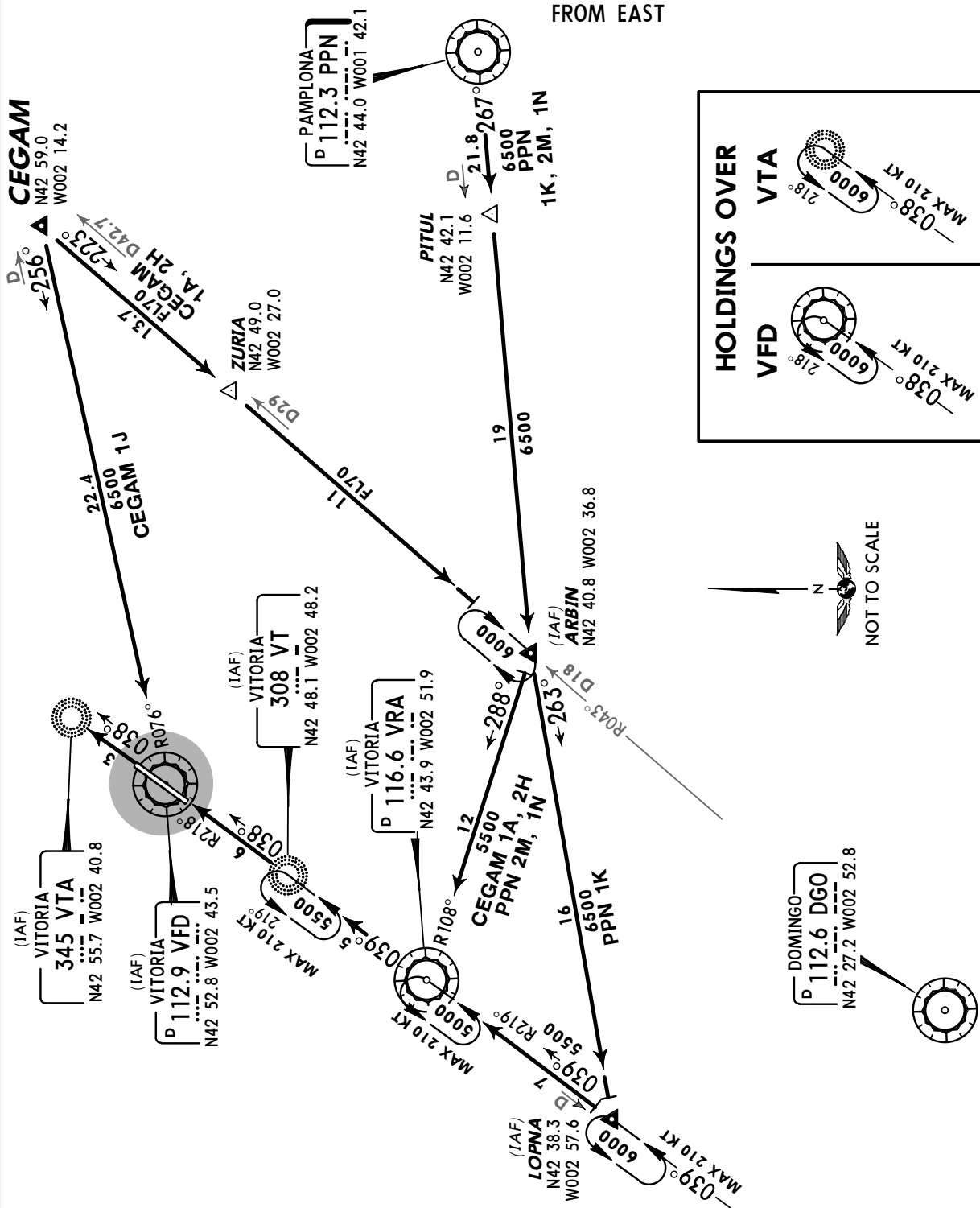
Apt Elev **1682'**
Alt Set: hPa
Trans level: By ATC Trans alt: 6000'



CEGAM ONE ALFA (CEGAM 1A) [CEGA1A]
PAMPLONA ONE KILO (PPN 1K)
PAMPLONA ONE NOVEMBER (PPN 1N)
RWY 04 ARRIVALS

CEGAM TWO HOTEL (CEGAM 2H) [CEGA2H]
CEGAM ONE JULIETT (CEGAM 1J) [CEGA1J]
PAMPLONA TWO MIKE (PPN 2M)
RWY 22 ARRIVALS

FROM EAST



**LEVIT/VIT
FORONDA**

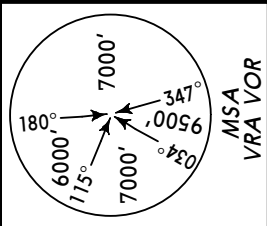
JEPPESEN
22 MAY 09 **10-2A** **Eff 4 Jun**

VITORIA, SPAIN

STAR

Apt Elev
1682'

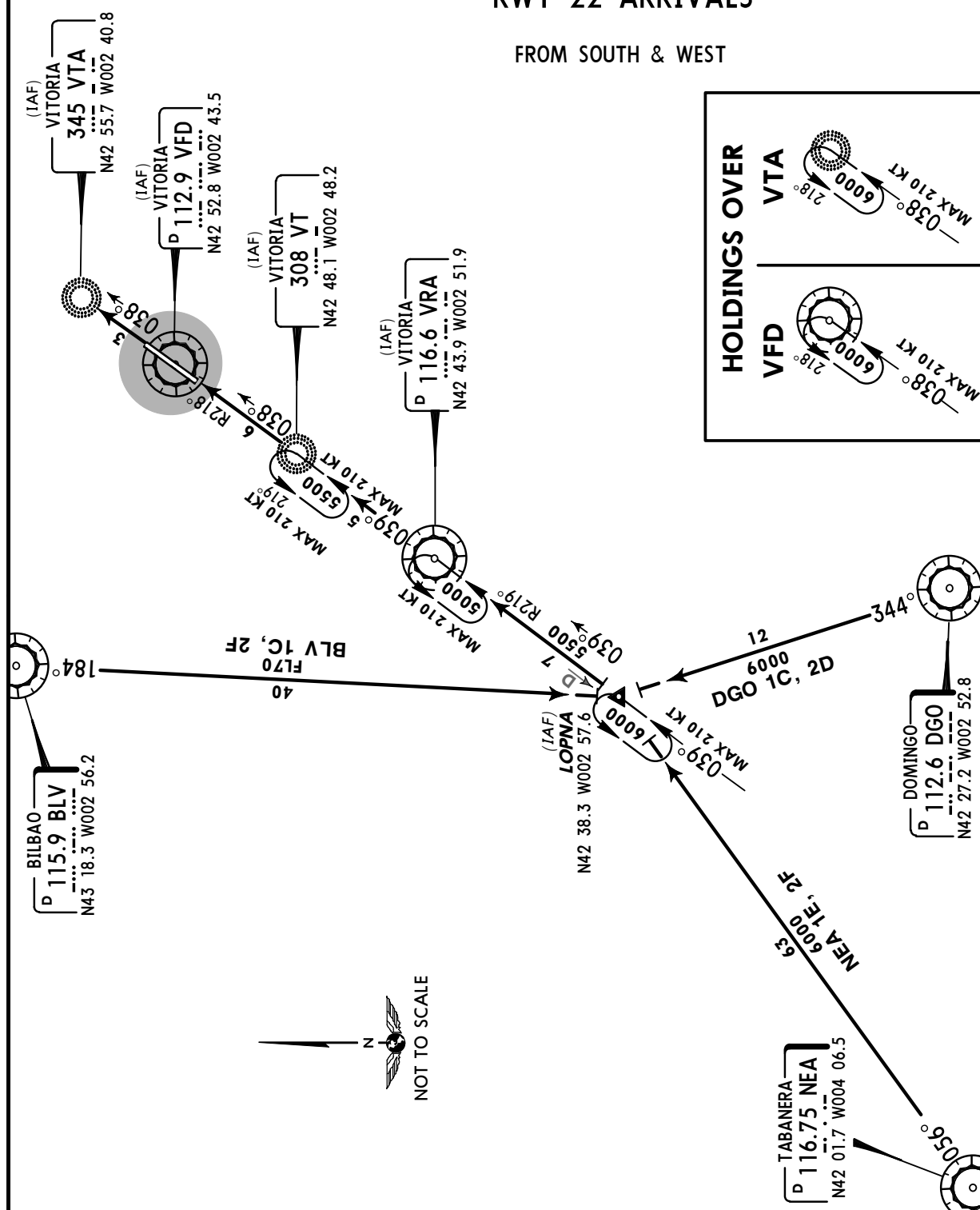
Alt Set: hPa
Trans level: By ATC Trans alt: 6000'



BILBAO ONE CHARLIE (BLV 1C)
DOMINGO ONE CHARLIE (DGO 1C)
TABANERA ONE ECHO (NEA 1E)
RWY 04 ARRIVALS

BILBAO TWO FOXTROT (BLV 2F)
DOMINGO TWO DELTA (DGO 2D)
TABANERA TWO FOXTROT (NEA 2F)
RWY 22 ARRIVALS

FROM SOUTH & WEST



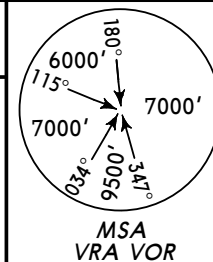
LEVT/VIT
FORONDA

JEPPESEN
 6 AUG 10 **10-3**

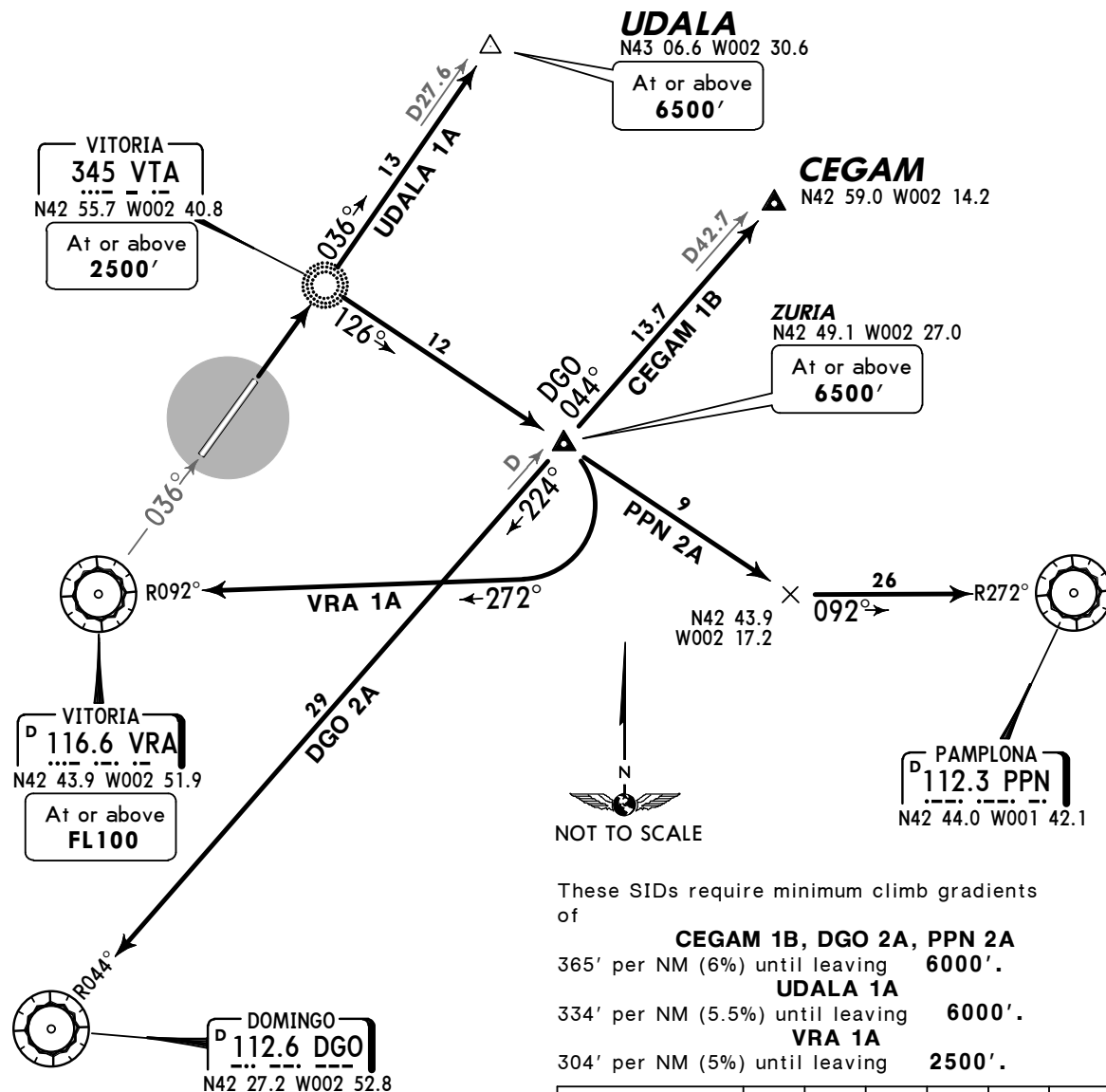
VITORIA, SPAIN
SID

Apt Elev
1682'

Trans level: By ATC Trans alt: 6000'



CEGAM ONE BRAVO (CEGAM 1B) [CEGA1B]
DOMINGO TWO ALFA (DGO 2A)
PAMPLONA TWO ALFA (PPN 2A)
UDALA ONE ALFA (UDALA 1A) [UDAL1A]
VITORIA ONE ALFA (VRA 1A)
RWY 04 DEPARTURES



These SIDs require minimum climb gradients of

CEGAM 1B, DGO 2A, PPN 2A
 365' per NM (6%) until leaving **6000'**.
UDALA 1A
 334' per NM (5.5%) until leaving **6000'**.
VRA 1A
 304' per NM (5%) until leaving **2500'**.

Gnd speed-KT	75	100	150	200	250	300
365' per NM	456	608	911	1215	1519	1823
334' per NM	418	557	835	1114	1392	1671
304' per NM	380	506	760	1013	1266	1519

SID	ROUTING
CEGAM 1B	Climb on runway heading to VTA, turn RIGHT, 126° bearing to ZURIA, turn LEFT, intercept DGO R-044 to CEGAM.
DGO 2A	Climb on runway heading to VTA, turn RIGHT, 126° bearing to ZURIA, turn RIGHT, intercept DGO R-044 inbound to DGO.
PPN 2A	Climb on runway heading to VTA, turn RIGHT, 126° bearing to ZURIA, intercept PPN R-272 inbound to PPN.
UDALA 1A	Climb on runway heading to VTA, 036° bearing to UDALA.
VRA 1A	Climb on runway heading to VTA, turn RIGHT, 126° bearing to ZURIA, turn RIGHT, intercept VRA R-092 inbound to VRA.

CHANGES: SID VRA 1A, climb gradient established.

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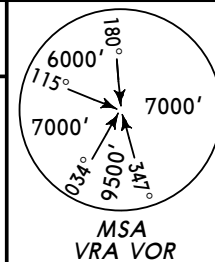
LEVT/VIT
FORONDA

JEPPESEN
 6 AUG 10 **(10-3A)**

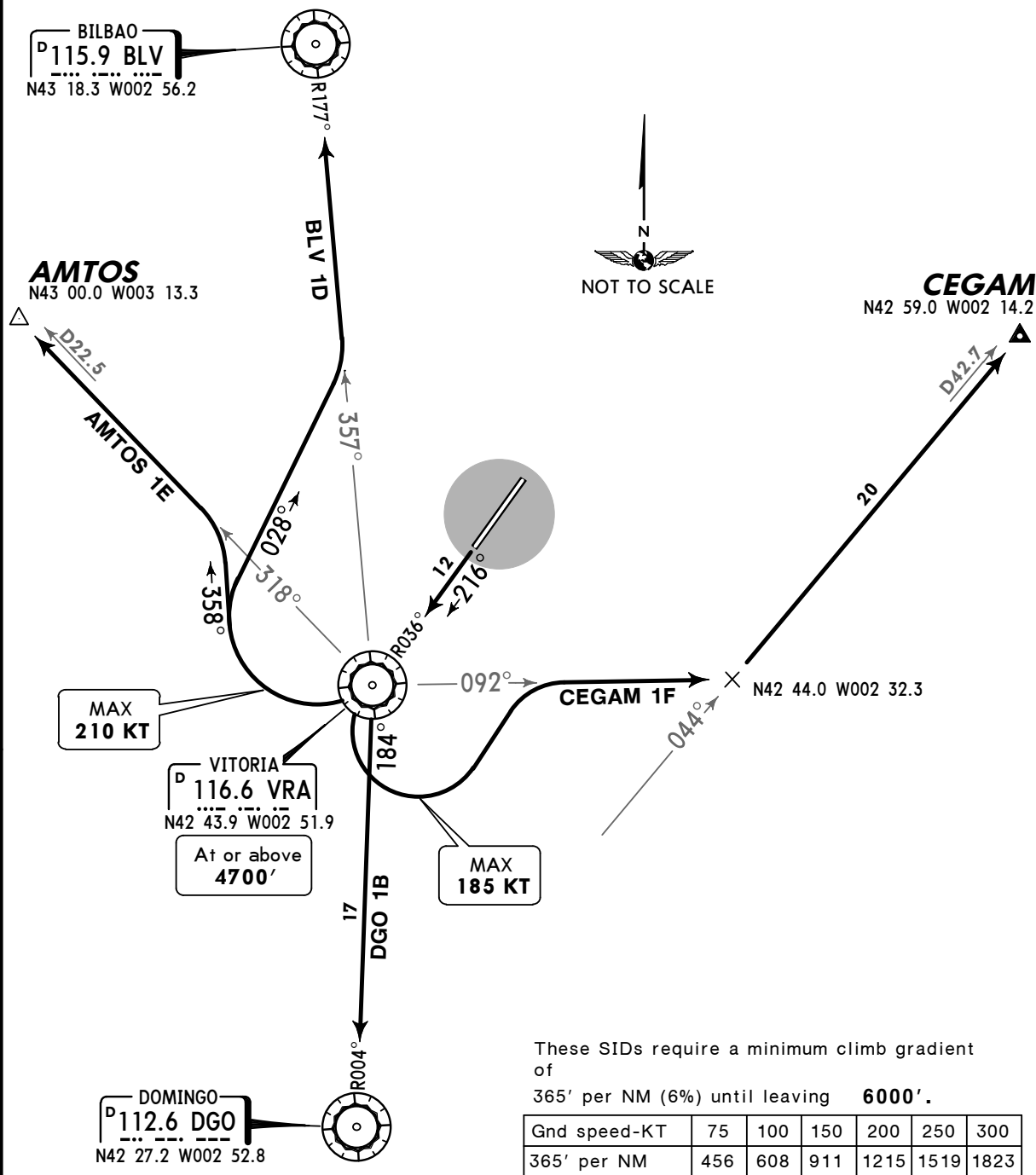
VITORIA, SPAIN
SID

Apt Elev
1682'

Trans level: By ATC Trans alt: 6000'



AMTOS ONE ECHO (AMTOS 1E) [AMTOS 1E]
BILBAO ONE DELTA (BLV 1D)
CEGAM ONE FOXTROT (CEGAM 1F) [CEGAM 1F]
DOMINGO ONE BRAVO (DGO 1B)
RWY 22 DEPARTURES



SID	ROUTING
AMTOS 1E	Climb on VRA R-036 inbound to VRA, turn RIGHT, 358° track, intercept VRA R-318 to AMTOS.
BLV 1D	Climb on VRA R-036 inbound to VRA, turn RIGHT, 028° track, intercept VRA R-357 to BLV.
CEGAM 1F	Climb on VRA R-036 inbound to VRA, turn LEFT, intercept VRA R-092, intercept DGO R-044 to CEGAM.
DGO 1B	Climb on VRA R-036 inbound to VRA, turn LEFT, intercept VRA R-184 to DGO.

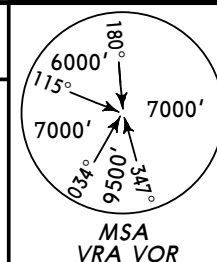
LEVT/VIT
FORONDA

JEPPesen
 6 AUG 10 **10-3B**

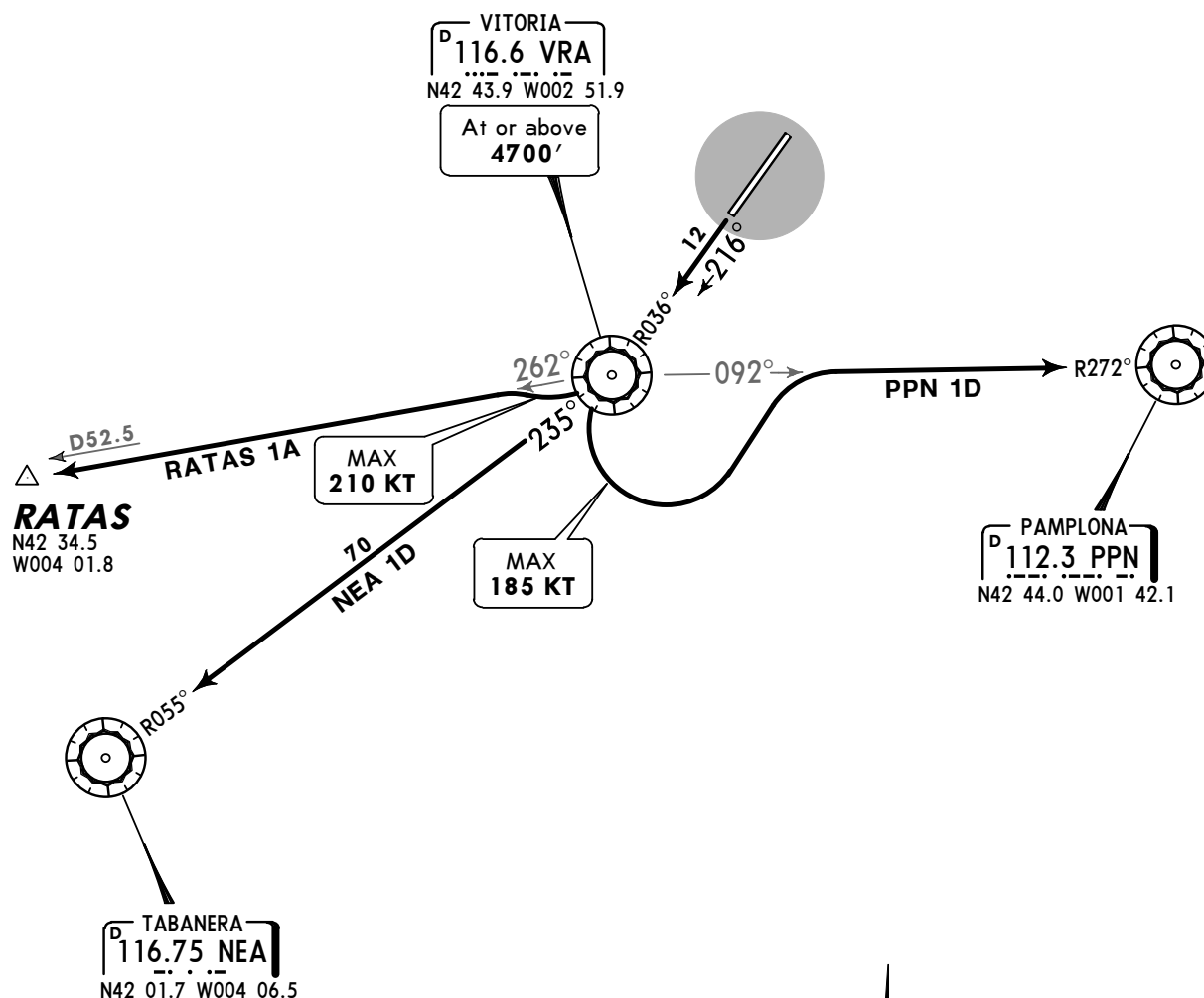
VITORIA, SPAIN
SID

Apt Elev
1682'

Trans level: By ATC Trans alt: 6000'



PAMPLONA ONE DELTA (PPN 1D)
RATAS ONE ALFA (RATAS 1A)[RATA1A]
TABANERA ONE DELTA (NEA 1D)
RWY 22 DEPARTURES



These SIDs require a minimum climb gradient of
 365' per NM (6%) until leaving **6000'**.

Gnd speed-KT	75	100	150	200	250	300
365' per NM	456	608	911	1215	1519	1823

SID	ROUTING
NEA 1D	Climb on VRA R-036 inbound to VRA, turn RIGHT, VRA R-235 to NEA.
PPN 1D	Climb on VRA R-036 inbound to VRA, turn LEFT, intercept VRA R-092 to PPN.
RATAS 1A	Climb on VRA R-036 inbound to VRA, turn RIGHT, intercept VRA R-262 to RATAS.

LEVT/VIT**VITORIA, SPAIN**
FORONDA

TEMPORARY CONSTRUCTION WORK

REFER ALSO TO LATEST NOTAMS

GENERAL

The work taking place includes:

- Repairing of the concrete slab
- Increasing of the runway
- Adaption of the runway strip
- Renewing of the T-6 bay

All working areas will be marked and lit properly during day and night.
Caution is recommended due to the presence of personnel and machinery.

During the execution of works included in phases 1 and 2 CAT II operations are not possible. CAT I will be the best available.

PERIOD OF CONSTRUCTION

From approximately 01 JUN 10 until 01 MAY 11 the work will be carried out in 5 phases. Starting and ending dates of each phase will be announced by NOTAM. Several phases will be activated simultaneously.

The work of phase 1 and 2, concerning the operability of the runway, will be carried out Mondays, Tuesdays, Wednesdays and Fridays from 0630 to 1900 and Saturdays from 2130 to Sundays 2030.

PHASE 1

Preparation of the runway and affected taxiway segments.

- Repairing of cracks and sealing of joints
- Demolition and repairing of slabs
- Implementation of wiring and lying of overhead lines
- Setting up RETIL system at rapid exits A and C-1.

PHASE 2

- Replacement of runway lights: center line, edge, thresholds, end and touchdown zone of threshold 04
- Increasing of runway. Marking and markers will be daily replaced for use

PHASE 3

- Leveling of the runway strip up to 75m from the runway center line and the whole runway length
- Horizontal and vertical marking
- Replacement of the PAPI units affected by the increasing and levelling works

PHASE 4

- Installation of the new intermediate holding point beacons in the holding threshold 04 and center line T-6B markings
- Extension of the buried segment of the drainage channel that crosses the taxiway T-7

Taxiways T-6 and T-7 will be closed while these works will be carried out.

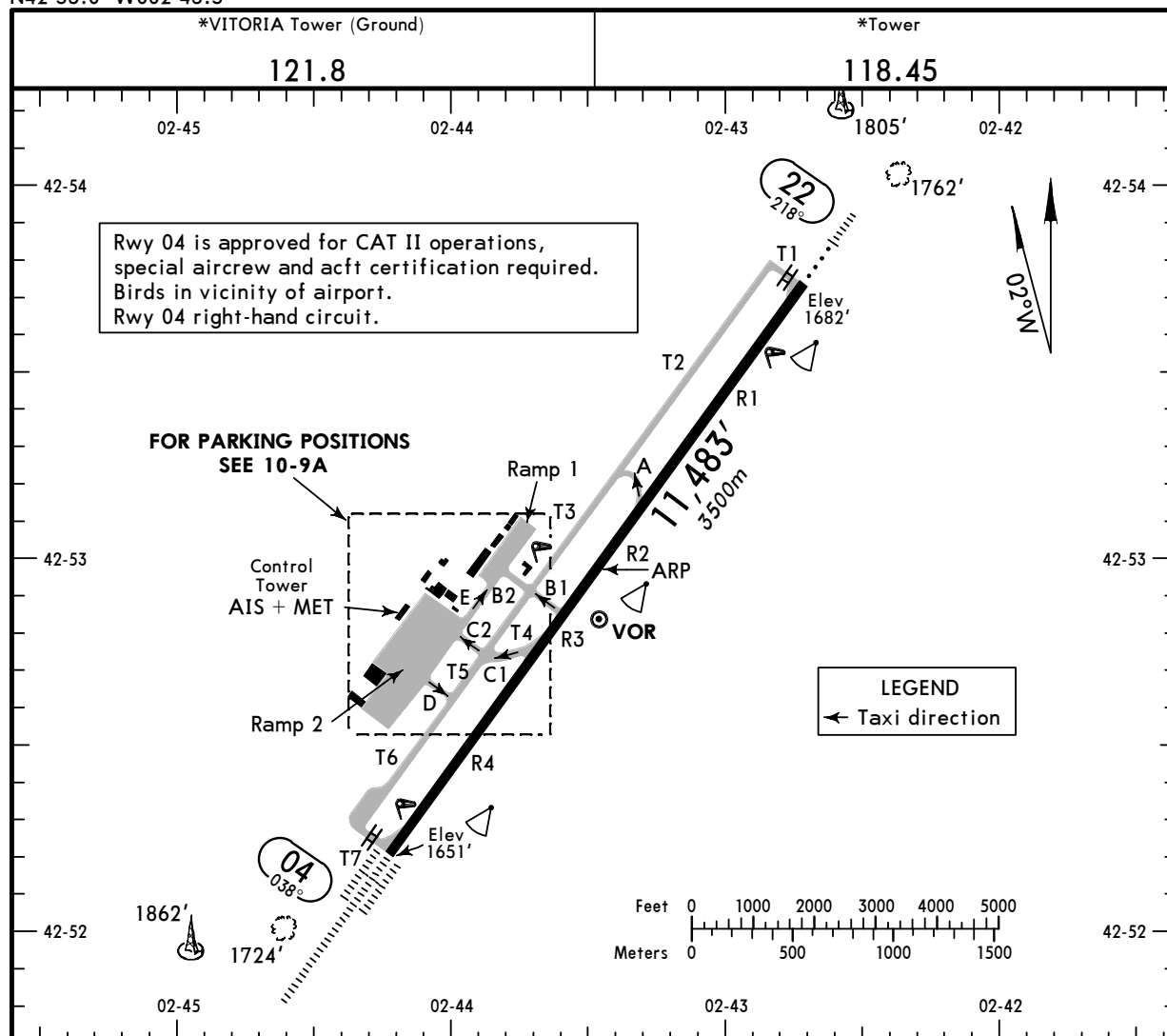
PHASE 5

- Cleaning and clearing of drainage channels between runway and the parallel taxiway

LEV/VIT
Apt Elev **1682'**
N42 53.0 W002 43.5

JEPPESSEN
20 FEB 09 **(10-9)**

VITORIA, SPAIN
FORONDA



ADDITIONAL RUNWAY INFORMATION						
RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond Glide Slope		
04	HIRL(50m) CL(15m) HIALS-II TDZ REIL PAPI(angle 3.0°)	RVR		10,450' 3185m		148'
22	HIRL(50m) CL(15m) HIALS REIL PAPI(angle 3.0°)	RVR				45m

NOISE ABATEMENT PROCEDURE

Motor test higher than idle regime is allowed at stand 12 of apron 2 and/or taxi-holding position between twys T6 and T7.
Requests for motor test will be addressed to TWR who will decide the zone where the motor test is to be performed.

COMMUNICATION FAILURE

Arriving acft will hold position in the first segment of the twy where the ILS sensitive area is vacated, waiting for a "FOLLOW ME" car in order to be guided to the assigned stand.
Departing acft will continue by the assigned route to its clearance limit, taking extreme caution to avoid detours. Acft must remain at this point and wait for the arrival of a "FOLLOW ME" car in order to be guided to the stand or holding position assigned.

Standard

TAKE-OFF 1

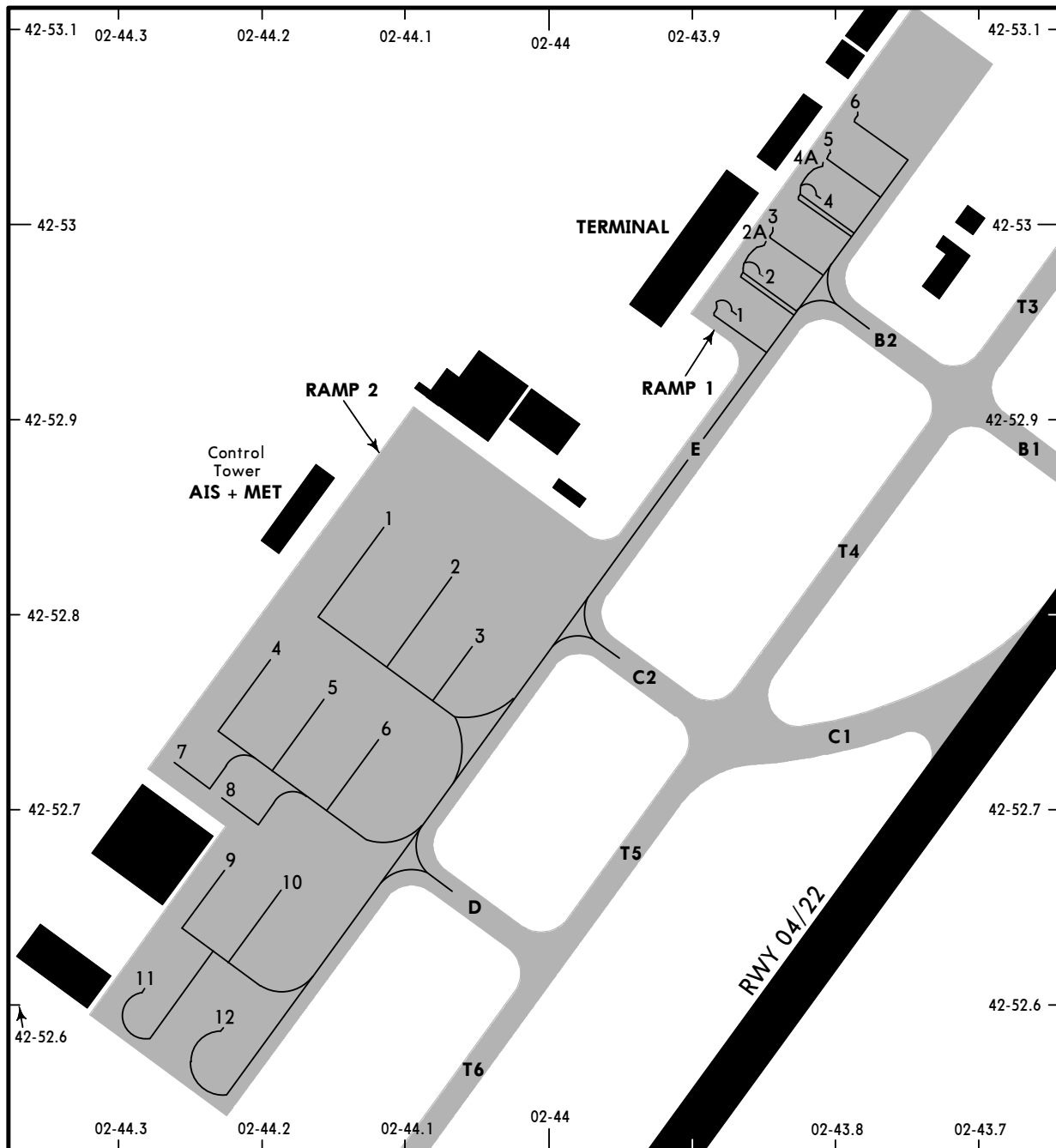
All Rwys					
LVP must be in Force					
Approved Operators HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A					
B	125m	150m	200m	250m	400m
C					500m
D	150m	200m	250m	300m	

1 Operators applying U.S. Ops Specs: CL required below 300m; approved guidance system required below 150m.

LEVT/VIT

JEPPESEN
20 FEB 09 **(10-9A)**

VITORIA, SPAIN
FORONDA



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
	RAMP 1		RAMP 2
1	N42 53.0 W002 43.9	1	N42 52.9 W002 44.1
2	N42 53.0 W002 43.8	2, 3	N42 52.8 W002 44.0
2A	N42 53.0 W002 43.9	4	N42 52.8 W002 44.2
3 thru 5	N42 53.0 W002 43.8	5, 6	N42 52.8 W002 44.1
6	N42 53.1 W002 43.8	7 thru 10	N42 52.7 W002 44.2
		11, 12	N42 52.6 W002 44.2

LEVT**JEPPESEN**

22 MAR 02 (10-9B)

VITORIA, SPAIN
FORONDA**LOW VISIBILITY PROCEDURES (LVP)****GENERAL:**

The runway 04 is equipped with ILS and authorized for CAT II operations and take-off in low visibility.
The runway 22 is authorized for take-off in low visibility.

A. LVP will be applied subject to following conditions:

- When RVR is 600m or below with any transmissometer.
- When cloud base height is 250' (75m) or below according to the meteorological report.

B. Pilots will be informed about the application of LVP via oral communication by ATC services.

Any notified or detected incidence that may affect the LVP will be immediately communicated to acft and ATC services implicated.

C. RVR values will be supplied directly by ATC services in accordance to the following:

- RVR ALPHA: Reading corresponding to the touch-down zone.
- RVR BRAVO: Reading corresponding to the runway midpoint.
- RVR CHARLY: Reading corresponding to the runway end.

D. When CAT II approaches will take place, the landing clearance will not be given after the acft is located 2 NM from TDZ and only will be supplied when ILS sensitive areas (LSA) are vacated.

Every acft on final approach at 2 NM from TDZ without clearance to land, will have to execute missed approach.

E. LVP will be canceled:

- When all the transmissometer register RVR values higher than 1000m.
- When the cloud base height is 300' (90m) according to the meteorological report and the tendency is to increase these values.

GROUND MOVEMENT:

Pilots will proceed to verify at every moment the acft position, specially in intersections, checking that taxiing is being executed under total safety conditions. In case of being disorientated or in doubt, pilots will stop the acft and immediately will notify to ATC.

ARRIVALS

Acft that have already landed must leave the runway in use and route towards RAMP 1 or RAMP 2 by some of the taxiways specified below, except otherwise advised by ATC:

RWY	Exit TWY	TWY routing to RAMP 1	TWY routing to RAMP 2
04	T1	T2, T3, B2	T2, T3, T4, C2
	A	T3, B2	T3, T4, C2
	B1	B2	T4, C2
22	N/A	_____	_____

When leaving the runway, pilots will notify:

1. Runway vacated
2. Taxiway used
3. LSA vacated

DEPARTURES

Pilots will avoid requesting clearance for start-up, push-back or taxiing, when the RVR values, or the meteorological visibility, are below the aerodrome minima.

Minimum RVR to request start up of turbines			
LIGHTING		MINIMUM RVR	
RL	RCL	DAY	NIGHT
SERVICEABLE	SERVICEABLE	200m	200m
U/S	SERVICEABLE	200m	200m
SERVICEABLE	U/S	300m	300m
U/S	U/S	500m	N/A

Exit via/from RAMP 1 & RAMP 2 to Runway		
to RWY	from RAMP 1	from RAMP 2
04	B2, T4, T5, T6, T7	D, T6, T7
22	B2, T3, T2, T1	D, T5, T4, T3, T2, T1

LEVT/VIT

JEPPESEN
16 JUL 10 **10-9X**
JAA MINIMUMS
VITORIA, SPAIN
FORONDA

STRAIGHT-IN RWY		A	B	C	D
04	CAT II ILS ①	1751' (100')	1751' (100')	1754' (103')	1769' (118')
		RA 109' R300m	RA 109' R300m	RA 112' R300m	RA 118' R300m
	ILS ①	1851' (200')	1851' (200')	1851' (200')	1851' (200')
		R550m	R550m	R550m	R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	ILS ②	1990' (339')	2000' (349')	2010' (359')	2020' (369')
		R800m	R800m	R800m	R800m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	2300' (649')	2300' (649')	2300' (649')	2300' (649')
		R1000m	R1200m	R1200m	R1600m
	ALS out	R1500m	R1500m	R2000m	R2000m
	VOR	2350' (699')	2350' (699')	NOT AUTHORIZED	NOT AUTHORIZED
		R1200m	R1400m		
	ALS out	R1500m	R1500m		
22	Lctr ①	2460' (809')	2460' (809')	2460' (809')	2460' (809')
		R1200m	R1400m	R1400m	R1800m
	ALS out	R1500m	R1500m	R2000m	R2000m
	Lctr ②	2600' (949')	2600' (949')	2600' (949')	2600' (949')
		R1200m	R1400m	R1400m	R1800m
	ALS out	R1500m	R1500m	R2000m	R2000m
	VOR	2500' (818')	2500' (818')	2500' (818')	2500' (818')
		R1500m	R1500m	R1800m	R2000m
	ALS out	R1500m	R1500m	R2000m	R2000m
	Lctr	2750' (1068')	2750' (1068')	2750' (1068')	2750' (1068')
		R1500m	R1500m	R1800m	R2000m
	ALS out	R1500m	R1500m	R2000m	R2000m

① Missed approach climb gradient mim 3.0%.

② Missed approach climb gradient mim 2.5%.

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
	2600' (918') ③	3000' (1318')	3400' (1718')	4100' (2418')
	V1500m	V1600m	V2400m	V3600m

③ After VOR 04, VOR 22, Lctr 22: 2750' (1068').

TAKE-OFF RWY 04, 22

Approved Operators		LVP must be in Force				
HIRL, CL & mult. RVR req		RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A					400m	500m
B	125m	150m	200m	250m		
C						
D	150m	200m	250m	300m		

LEVIT/VIT
FORONDA

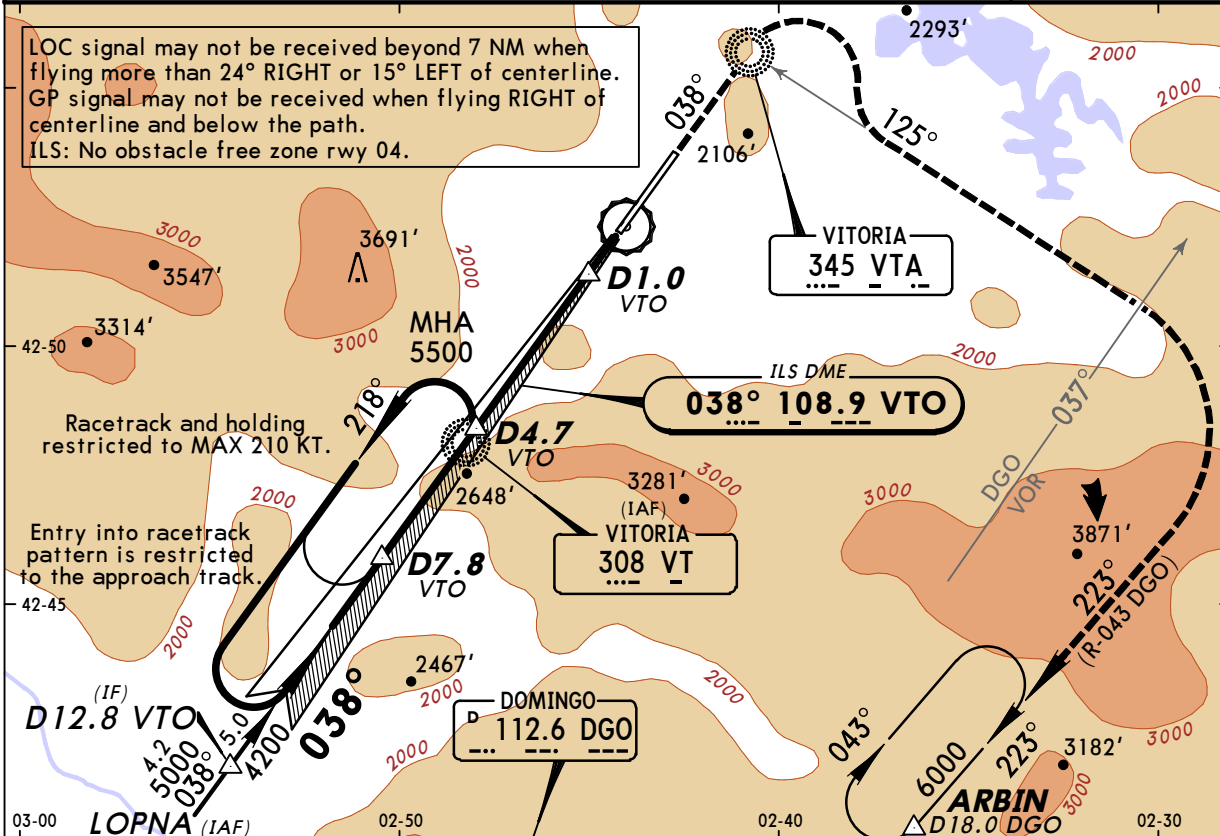
JEPPESSEN
16 JUL 10 (11-1)

VITORIA, SPAIN
ILS Z or LOC Z Rwy 04

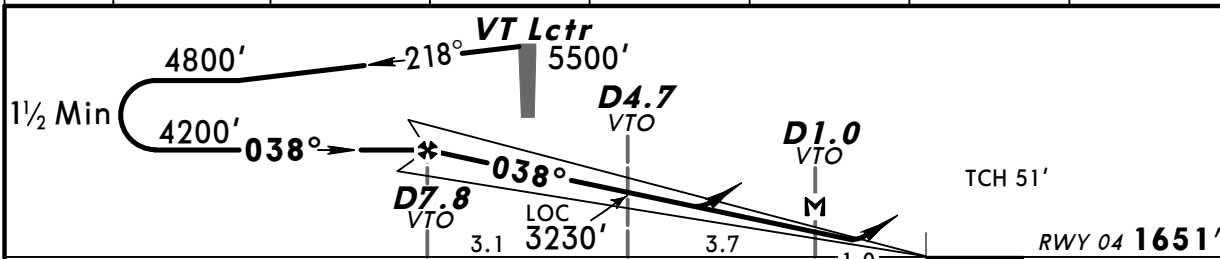
BRIEFING STRIP™

Approach Control through Tower		*VITORIA Tower 118.45		*Ground 121.8	
LOC VTO 108.9	Final Apch Crs 038°	GS D7.8 VTO 4200' (2549')	ILS DA(H) Refer to Minimums	Apt Elev 1682' RWY 1651'	177° 6000' 104° 7000' MSA VT Lctr
MISSED APCH: Climb to VTA Lctr, then turn RIGHT (MAX 200 KT) to follow track 125° from VTA Lctr. When crossing R-037 DGO turn RIGHT (MAX 200 KT) to intercept and follow R-043 inbound DGO VOR climbing to 6000' and hold at ARBIN. Fluctuations may occur 3 NM before VTA Lctr; if this happens maintain final track direct to VTA Lctr.					
Alt Set: hPa Rwy Elev: 59 hPa Trans level: By ATC Trans alt: 6000' 1. VOR, DME and ADF required. 2. ILS DME reads zero at rwy 04 threshold.					

LOC signal may not be received beyond 7 NM when flying more than 24° RIGHT or 15° LEFT of centerline. GP signal may not be received when flying RIGHT of centerline and below the path.
ILS: No obstacle free zone rwy 04.



LOC	VTO DME	7.0	6.0	5.0	4.0	3.0	2.0
(GS out)	ALTITUDE	3980'	3660'	3330'	3010'	2680'	2360'



<i>Gnd speed-Kts</i>	70	90	100	120	140	160
<i>ILS GS 3.00°</i>	377	485	539	647	755	862
<i>LOC Descent Angle 3.10°</i>	384	494	548	658	768	878
<i>MAP at D1.0 VTO</i>						

Standard				STRAIGHT-IN LANDING RWY 04						CIRCLE-TO-LAND	
Missed apch climb gradient mim 3.0%				ILS Missed apch climb gradient mim 2.5% I		LOC (GS out)					
DA(H) 1851' (200')				DA(H) C: 2010' (359') D: 2020' (369')		DA(H) 2300' (649')					
FULL		Limited	ALS out	FULL/Limited		ALS out				Max Kts	MDA(H) VIS
A	RVR 550m	RVR 750m	RVR 1200m	RVR 800m	RVR 1500m	RVR 1500m				100	2600' (918') 1500m
B				RVR 900m	RVR 1600m					135	3000' (1318') 1600m
C										180	3400' (1718') 2400m
D						CMV 2300m	CMV 2400m				

1 DA(H) A: 1990' (339'), B: 2000' (349').

PANS OPS 4

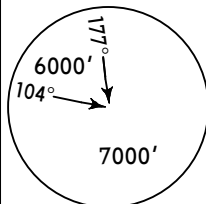
LEVT/VIT
FORONDA

JEPPesen
16 JUL 10 **(11-1A)**

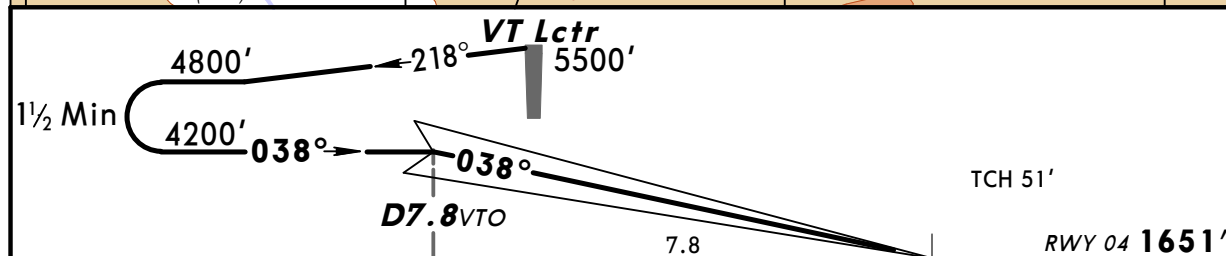
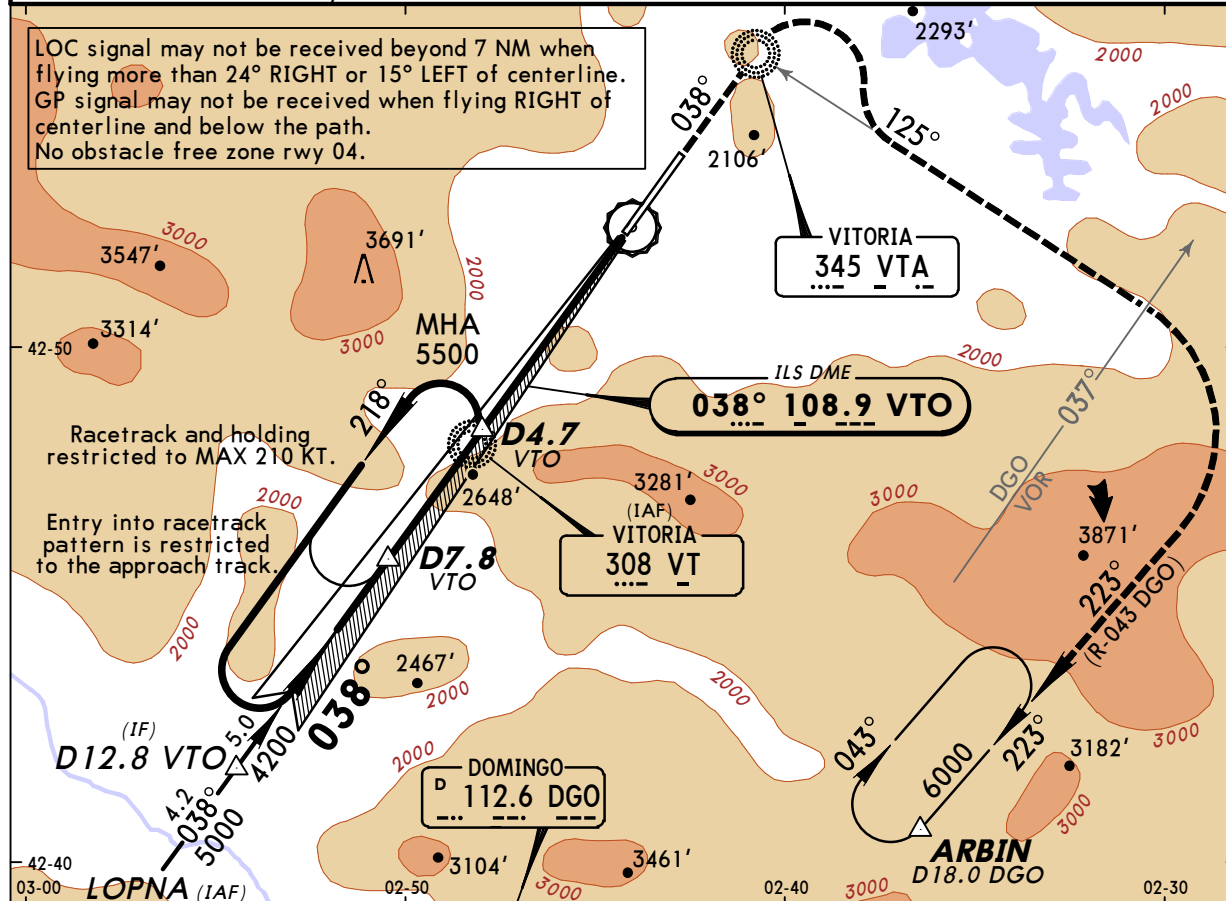
Missed apch climb
grad min. 3.0%

VITORIA, SPAIN
CAT II ILS Z Rwy 04

BRIEFING STRIP

Approach Control through Tower		*VITORIA Tower 118.45		*Ground 121.8	
LOC VTO 108.9	Final Apch Crs 038°	GS D7.8 VTO 4200' (2549')	CAT II ILS RA/DA(H) Refer to Minimums	Apt Elev 1682' RWY 1651'	 MSA VT Lctr
MISSED APCH: Climb to VTA Lctr, then turn RIGHT (MAX 200 KT) to follow track 125° from VTA Lctr. When crossing R-037 DGO turn RIGHT (MAX 200 KT) to intercept and follow R-043 inbound DGO VOR climbing to 6000' and hold at ARBIN. Fluctuations may occur 3 NM before VTA Lctr; if this happens maintain final track direct to VTA Lctr.					
Alt Set: hPa Rwy Elev: 59 hPa Trans level: By ATC					
1. Special Aircrew & Acft certification required. 2. VOR, DME and ADF required.					
3. ILS DME reads zero at rwy 04 threshold.					

LOC signal may not be received beyond 7 NM when flying more than 24° RIGHT or 15° LEFT of centerline. GP signal may not be received when flying RIGHT of centerline and below the path. No obstacle free zone rwy 04.



<i>Gnd speed-Kts</i>	70	90	100	120	140	160
<i>GS</i> 3.00°	377	485	539	647	755	862

HIALS-II REIL PAPI	VTA 345
--------------------------	-------------------

Standard

STRAIGHT-IN LANDING RWY 04

CAT II ILS

Missed apch climb grad min. 3.0%

AB
RA 109'
DA(H) **1751'** (100')

C
RA 112'
DA(H) **1754'** (103')

D
RA 118'
DA(H) **1769'** (118')

RVR **300m** 

 Operators applying U.S. Ops Specs: Autoland or HGS required below RVR 350m.

PANS OPS 4

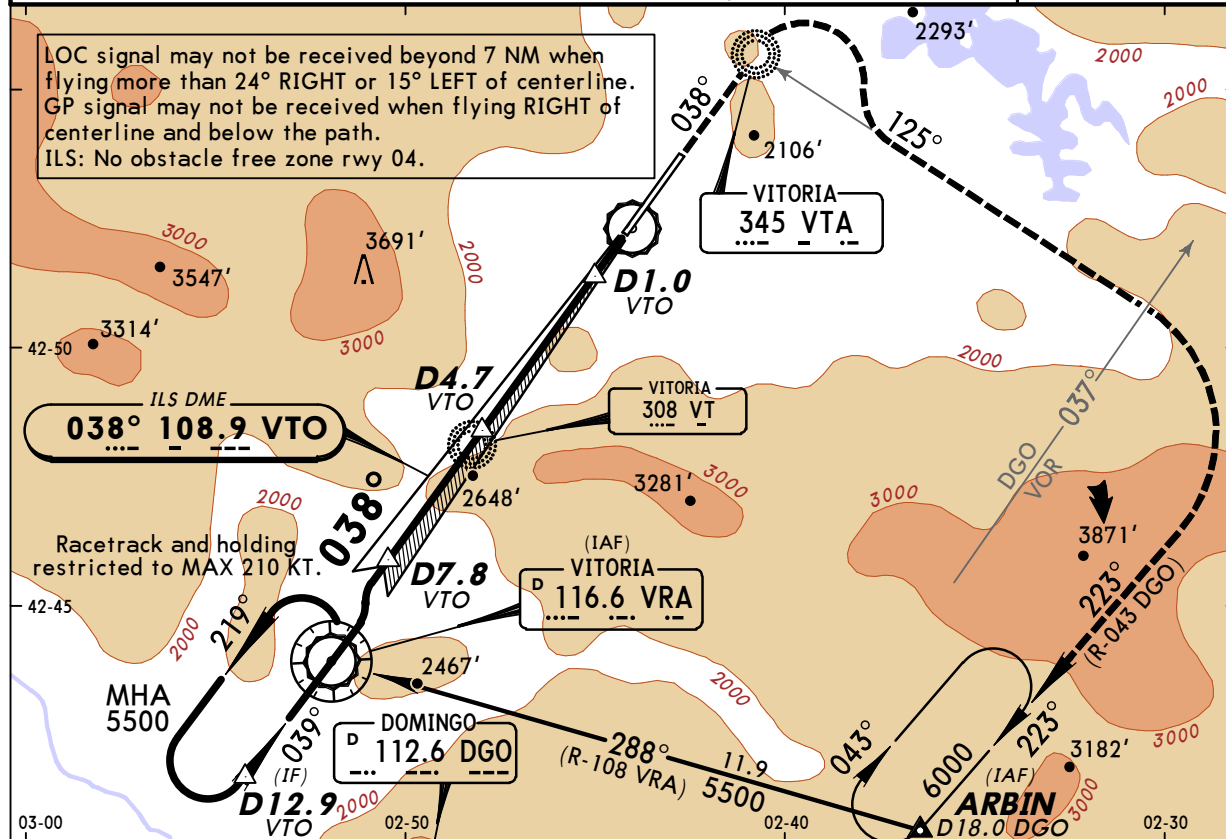
LEVT/VIT
FORONDA

JEPPesen
16 JUL 10 **(11-2)**

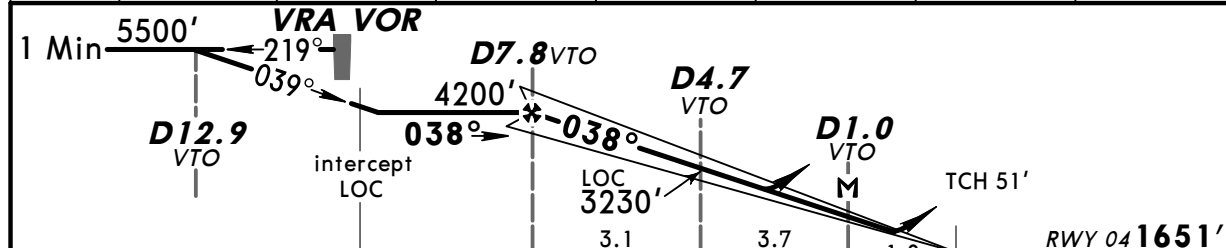
VITORIA, SPAIN
ILS Y or LOC Y Rwy 04

BRIEFING STRIP

Approach Control through Tower		*VITORIA Tower 118.45		*Ground 121.8	
LOC VTO 108.9	Final Apch Crs 038°	GS D7.8 VTO 4200' (2549')	ILS DA(H) Refer to Minimums	Apt Elev 1682' RWY 1651'	
MISSED APCH: Climb to VTA Lctr, then turn RIGHT (MAX 200 KT) to follow track 125° from VTA Lctr. When crossing R-037 DGO turn RIGHT (MAX 200 KT) to intercept and follow R-043 inbound DGO VOR climbing to 6000' and hold at ARBIN. Fluctuations may occur 3 NM before VTA Lctr; if this happens maintain final track direct to VTA Lctr.					
Alt Set: hPa Rwy Elev: 59 hPa Trans level: By ATC Trans alt: 6000' 1. VOR, DME and ADF required. 2. ILS DME reads zero at rwy 04 threshold.					



LOC (GS out)	VTO DME	7.0	6.0	5.0	4.0	3.0	2.0
ALTITUDE		3980'	3660'	3330'	3010'	2680'	2360'



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II		VTA
ILS GS	3.00°	377	485	539	647	755	862	REIL	345
LOC Descent Angle	3.10°	384	494	548	658	768	878	PAPI	
MAP at D1.0 VTO									

Standard				STRAIGHT-IN LANDING RWY 04				CIRCLE-TO-LAND			
Missed apch climb gradient mim 3.0%				Missed apch climb gradient mim 2.5%				LOC (GS out)			
DA(H) 1851' (200')				DA(H) C: 2010' (359') D: 2020' (369')				DA(H) 2300' (649')			
FULL	Limited	ALS out		FULL/Limited	ALS out			FULL	Limited	ALS out	
A				RVR 800m	RVR 1500m						
B	RVR 550m	RVR 750m	RVR 1200m	RVR 900m	RVR 1600m						
C				RVR 1000m	RVR 1700m			CMV 2200m	CMV 2400m		
D											
Max Kts				MDA(H)				VIS			
100				2600' (918')				1500m			
135				3000' (1318')				1600m			
180				3400' (1718')				2400m			
205				4100' (2418')				3600m			

DA(H) A: 1990' (339'), B: 2000' (349').

CHANGES: Procedure title. Notes. Procedure.

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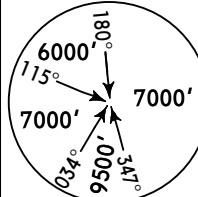
**LEVT/VIT
FORONDA**

JEPPesen
16 JUL 10 **(11-2A)**

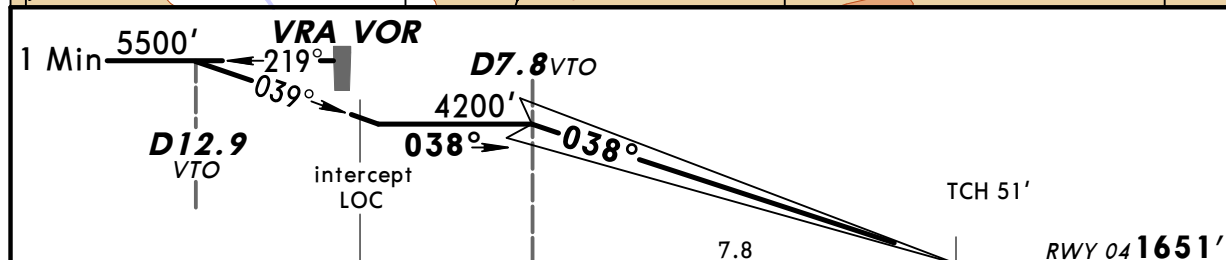
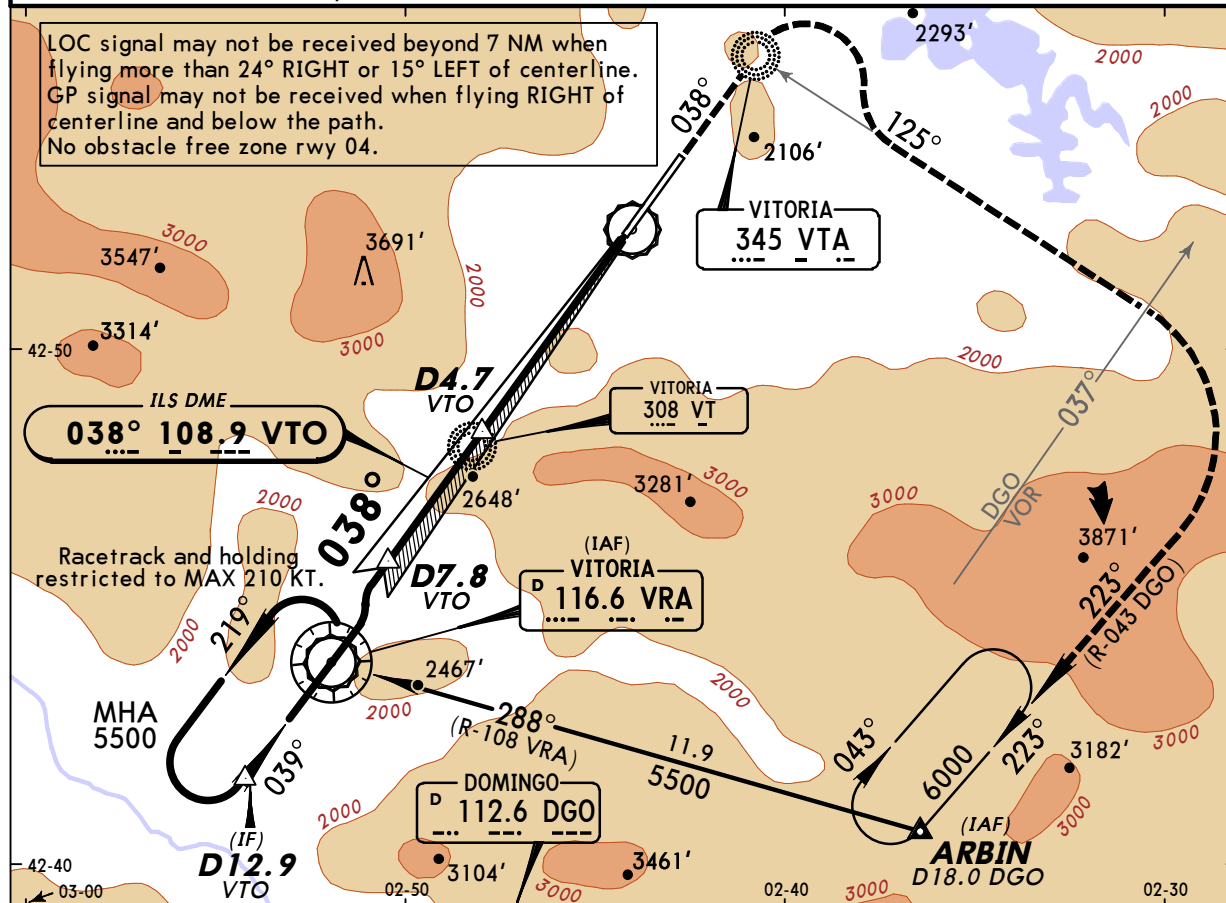
Missed apch climb
grad min 3.0%

VITORIA, SPAIN
CAT II ILS Y Rwy 04

BRIEFING STRIP

Approach Control through Tower		*VITORIA Tower 118.45		*Ground 121.8	
LOC VTO 108.9	Final Apch Crs 038°	GS D7.8 VTO 4200' (2549')	CAT II ILS RA/DA(H) Refer to Minimums	Apt Elev 1682' RWY 1651'	 MSA VRA VOR
MISSED APCH: Climb to VTA Lctr, then turn RIGHT (MAX 200 KT) to follow track 125° from VTA Lctr. When crossing R-037 DGO turn RIGHT (MAX 200 KT) to intercept and follow R-043 inbound DGO VOR climbing to 6000' and hold at ARBIN. Fluctuations may occur 3 NM before VTA Lctr; if this happens maintain final track direct to VTA Lctr.					
Alt Set: hPa Rwy Elev: 59 hPa Trans level: By ATC					
1. Special Aircrew & Acft Certification Required.		2. VOR, DME and ADF required.		Trans alt: 6000'	
3. ILS DME reads zero at rwy 04 threshold.					

LOC signal may not be received beyond 7 NM when flying more than 24° RIGHT or 15° LEFT of centerline. GP signal may not be received when flying RIGHT of centerline and below the path. No obstacle free zone rwy 04.



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II REIL PAPI PAPI		VTA 345
GS	3.00°	377	485	539	647	755	862		

Standard

STRAIGHT-IN LANDING RWY 04
CAT II ILS

Missed apch climb grad min. 3.0%

AB
RA 109'
DA(H) **1751'** (100')

C
RA 112'
DA(H) **1754'** (103')

D
RA 118'
DA(H) **1769'** (118')

RVR **300m** 

 Operators applying U.S. Ops Specs: Autoland or HGS required below RVR 350m.

CHANGES: Procedure. Notes. Minimums.

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PANS OPS 4

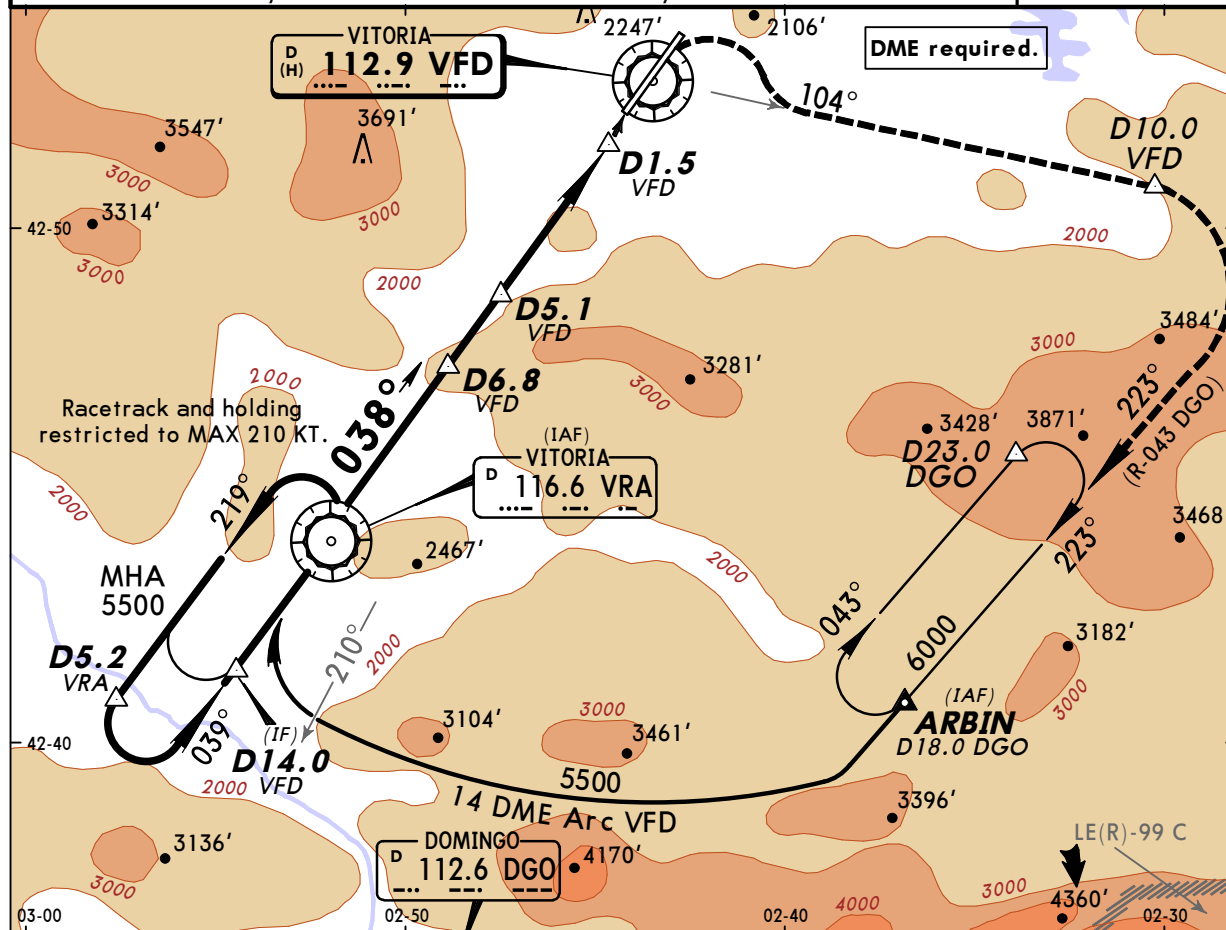
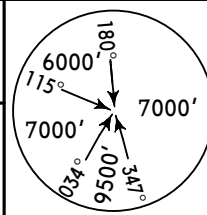
LEVT/VIT
FORONDA

JEPPesen
22 MAY 09 **(13-1)** **Eff 4 Jun**

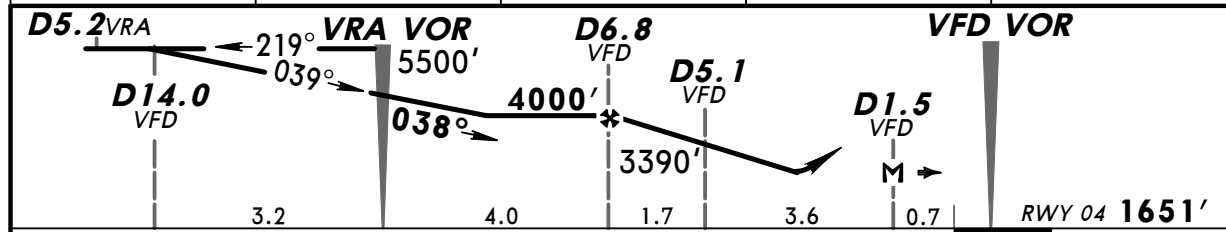
VITORIA, SPAIN
VOR Rwy 04

BRIEFING STRIP

Approach Control through Tower *VITORIA Tower 118.45				*Ground 121.8
VOR VFD 112.9	Final Apch Crs 038°	Minimum Alt D6.8 VFD 4000' (2349')	DA(H) 2350' (699')	Apt Elev 1682' RWY 1651'
MISSED APCH: Climb direct to VFD VOR, then turn RIGHT (MAX 185 KT) to intercept and follow R-104 VFD to D10.0 VFD, then turn RIGHT (MAX 185 KT) to intercept and follow R-043 inbound DGO VOR climbing to 6000' and hold at ARBIN.				
Alt Set: hPa	Rwy Elev: 59 hPa	Trans level: By ATC	Trans alt: 6000'	MSA VRA VOR



VFD DME	6.0	5.0	4.0	3.0
ALTITUDE	3740'	3350'	2950'	2560'



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 3.70°	458	589	655	786	917	1048
MAP at D1.5 VFD						

Standard		STRAIGHT-IN LANDING RWY04		CIRCLE-TO-LAND	
		DA(H) 2350' (699')			
		ALS out		Max Kts.	MDA(H) VIS
A	RVR 1500m			100	2750' (1068') 1500m
B				135	3000' (1318') 1600m
C				180	3400' (1718') 2400m
D	NOT AUTHORIZED			205	4100' (2418') 3600m

PANS OPS 4

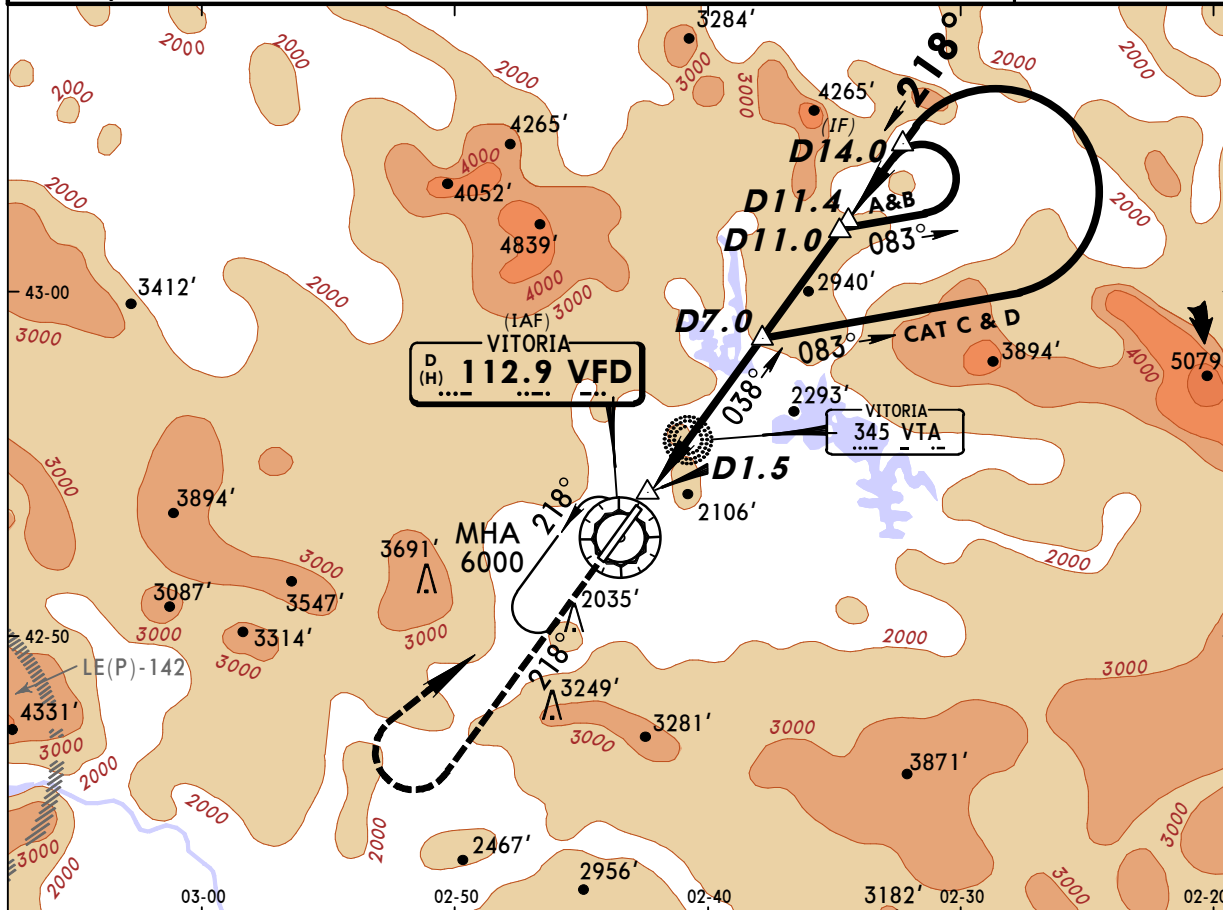
LEVT/VIT
FORONDA

JEPPesen
22 MAY 09 **(13-2)** **Eff 4 Jun**

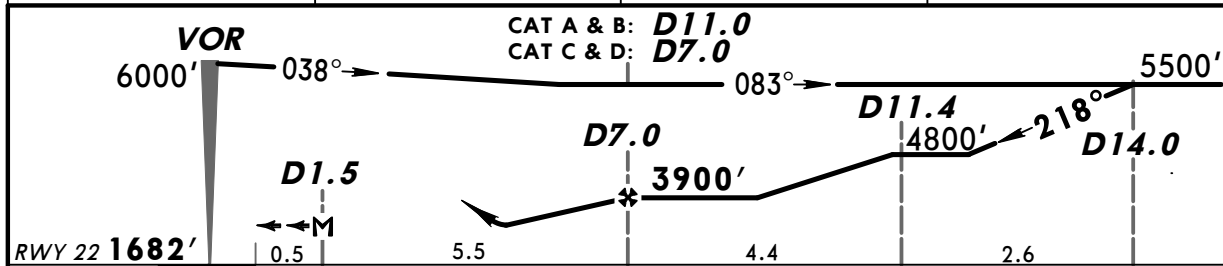
VITORIA, SPAIN
VOR Rwy 22

BRIEFING STRIP

Approach Control through Tower *VITORIA Tower 118.45				*Ground 121.8	
VOR VFD 112.9	Final Apch Crs 218°	Minimum Alt D7.0 3900' (2218')	DA(H) 2500' (818')	Apt Elev 1682' RWY 1682'	 MSA VFD VOR
MISSED APCH: Climb direct to VOR. Climb on R-218 to 4500', then turn RIGHT climbing direct to VOR to 6000' and hold.					
Alt Set: hPa DME required.	Rwy Elev: 60 hPa	Trans level: By ATC	Trans alt: 6000'		



VFD DME	4.0	5.0	6.0
ALTITUDE	2840'	3210'	3580'



Gnd speed-Kts	70	90	100	120	140	160	HIALS REIL PAPI PAPI	VFD 112.9	4500'	VFD 112.9 on R-218
Descent angle 3.50°	434	557	619	743	867	991				
MAP at D1.5										

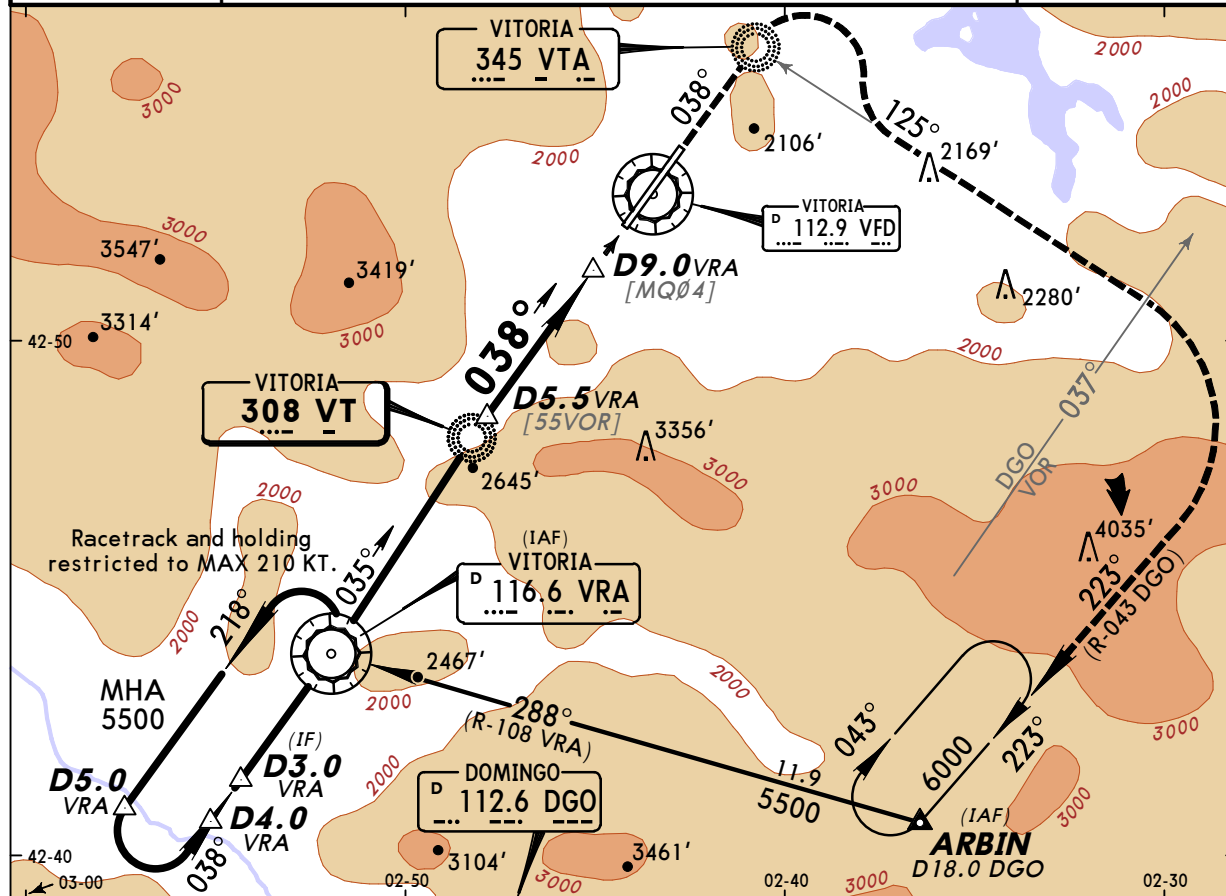
Standard				STRAIGHT-IN LANDING RWY 22				CIRCLE-TO-LAND			
				DA(H) 2500' (818')							
				ALS out							
A					RVR 1500m				Max Kts.	MDA(H)	VIS
B									100	2750' (1068')	1500m
C									135	3000' (1318')	1600m
D									180	3400' (1718')	2400m
									205	4100' (2418')	3600m

**LEVIT/VIT
FORONDA**

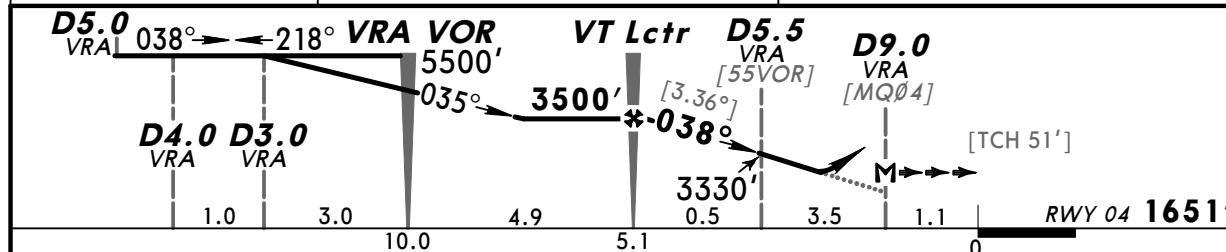
JEPPESEN
20 FEB 09 (16-1)

VITORIA, SPAIN
Lctr Rwy 04

Approach Control through Tower		*VITORIA Tower 118.45		*Ground 121.8	
<i>Lctr</i> VT 308	<i>Final</i> <i>Apch Crs</i> 038°	<i>Minimum Alt</i> VT Lctr 3500' (1849')	<i>DA(H)</i> Refer to Minimums	<i>Apt Elev</i> 1682' <i>RWY</i> 1651'	
MISSED APCH: Climb to VTA Lctr, then turn RIGHT (MAX 200 KT) to follow track 125° from VTA Lctr. When crossing R-037 DGO turn RIGHT (MAX 200 KT) to intercept and follow R-043 inbound DGO VOR climbing to 6000' and hold at ARBIN. Fluctuations may occur 3 NM before VTA Lctr; if this happens maintain final track direct to VTA Lctr.					
Alt Set: hPa		Rwy Elev: 59 hPa	Trans level: By ATC		Trans alt: 6000'
VOR and DME required.					



VRA DME	6.0	7.0
ALTITUDE	3150'	2790'



<i>Gnd speed-Kts</i>	70	90	100	120	140	160	
<i>Descent angle 3.36°</i>	417	537	596	716	835	954	
<i>MAP at D9.0 VRA</i>							

Standard

STRAIGHT-IN LANDING RWY 04

CIRCLE-TO-LAND

Missed apch climb gradient mim 3.0%		Missed apch climb gradient mim 2.5%		Max Kts	MDA(H) _____ VIS _____
DA(H) 2460' (809')		DA(H) 2600' (949')			
ALS out		ALS out			
A	RVR 1500m	RVR 1500m		100	2640' (958') 1500m
B				135	3000' (1318') 1600m
C	CMV 2400m	CMV 2400m		180	3400' (1718') 2400m
D				205	4100' (2418') 3600m

CHANGES: Minimums.

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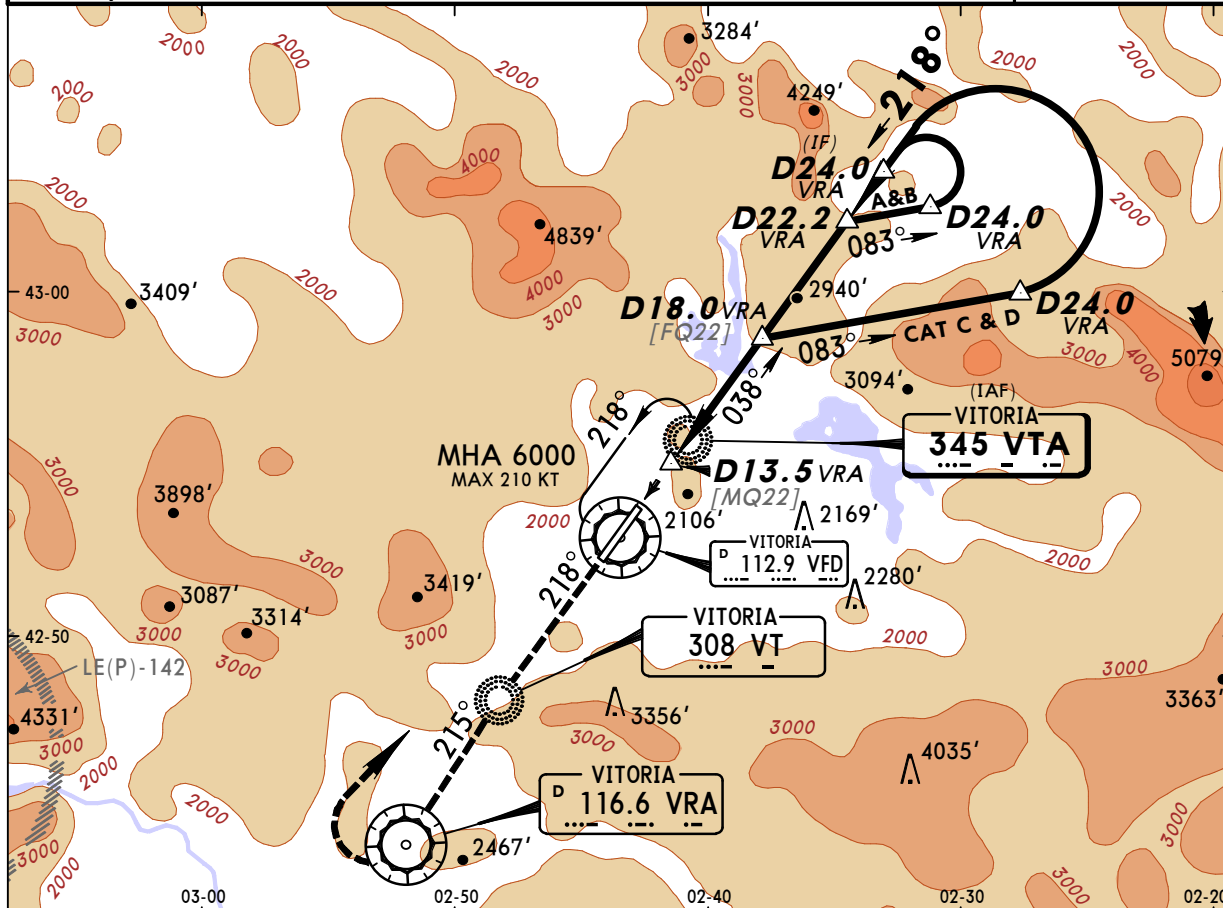
LEVT/VIT
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20 FEB 09 **(16-2)**

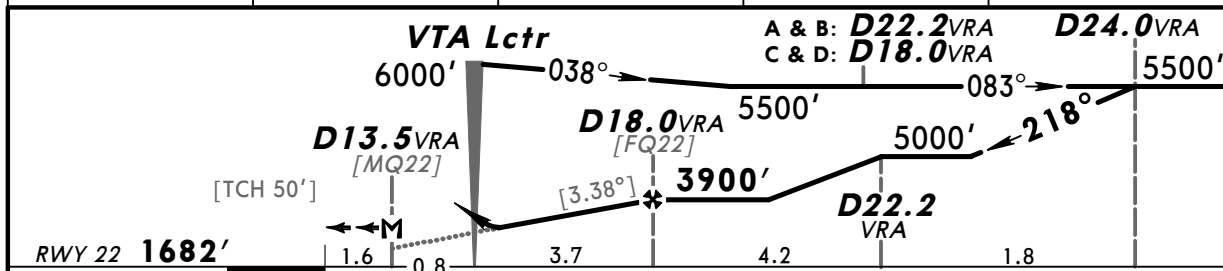
VITORIA, SPAIN
Lctr Rwy 22

BRIEFING STRIP

Approach Control through Tower *VITORIA Tower 118.45				*Ground 121.8	
Lctr VTA 345	Final Apch Crs 218°	Minimum Alt D18.0 VRA 3900' (2218')	DA(H) 2750' (1068')	Apt Elev 1682' RWY 1682'	
MISSED APCH: Climb on 218° to VT Lctr. Turn LEFT on 215° to cross VRA VOR at or above 4300'. Turn RIGHT (MAX 230 KT) and proceed direct to VTA Lctr climbing to 6000' and hold.					
Alt Set: hPa Rwy Elev: 60 hPa Trans level: By ATC Trans alt: 6000'					
DME required.					



VRA DME	14.0	15.0	16.0	17.0
ALTITUDE	2470'	2830'	3190'	3550'



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 3.38°	419	538	598	718	837	957
MAP at D13.5 VRA						

Standard			STRAIGHT-IN LANDING RWY 22			CIRCLE-TO-LAND		
			DA(H) 2750' (1068')					
			ALS out					
A	RVR 1500m			Max Kts	100	MDA(H)	2750' (1068')	VIS 1500m
B				135			3000' (1318')	1600m
C				180			3400' (1718')	2400m
D				205			4100' (2418')	3600m