

**GENERAL****Operational Hours****ATS Hours / AD ADMIN Hours:** H24**Airport Information****RFF:** CAT 9**PCN:** RWY 18L/36R: 91/F/B/W/T

RWY 18R/36L: 89/F/B/W/T

**Operations****RWY Restriction**

RWY in use: As instructed by ATC.

**TWY Restriction**

TWY C width 21.5m / 70.5ft and AVBL for ACFT up to code letter C, exercise caution while taxiing.

TWY B1, B2, B5 CLSD.

**Taxi/Parking**

Taxiing guidance system and marshallsers AVBL.

Blast pads:

120m / 394ft at RWY 18R/36L both ends.

50m / 164ft at RWY 18L end.

65m / 213ft at RWY 36R end.

Visual Docking Guidance System (AGNIS light) AVBL at stands at Pier D and E.

**Warnings**

Do not mistake between parallel TWY and RWYs when marking VIS APCH.

Birds in vicinity of AD.

**ARRIVAL****Speed**

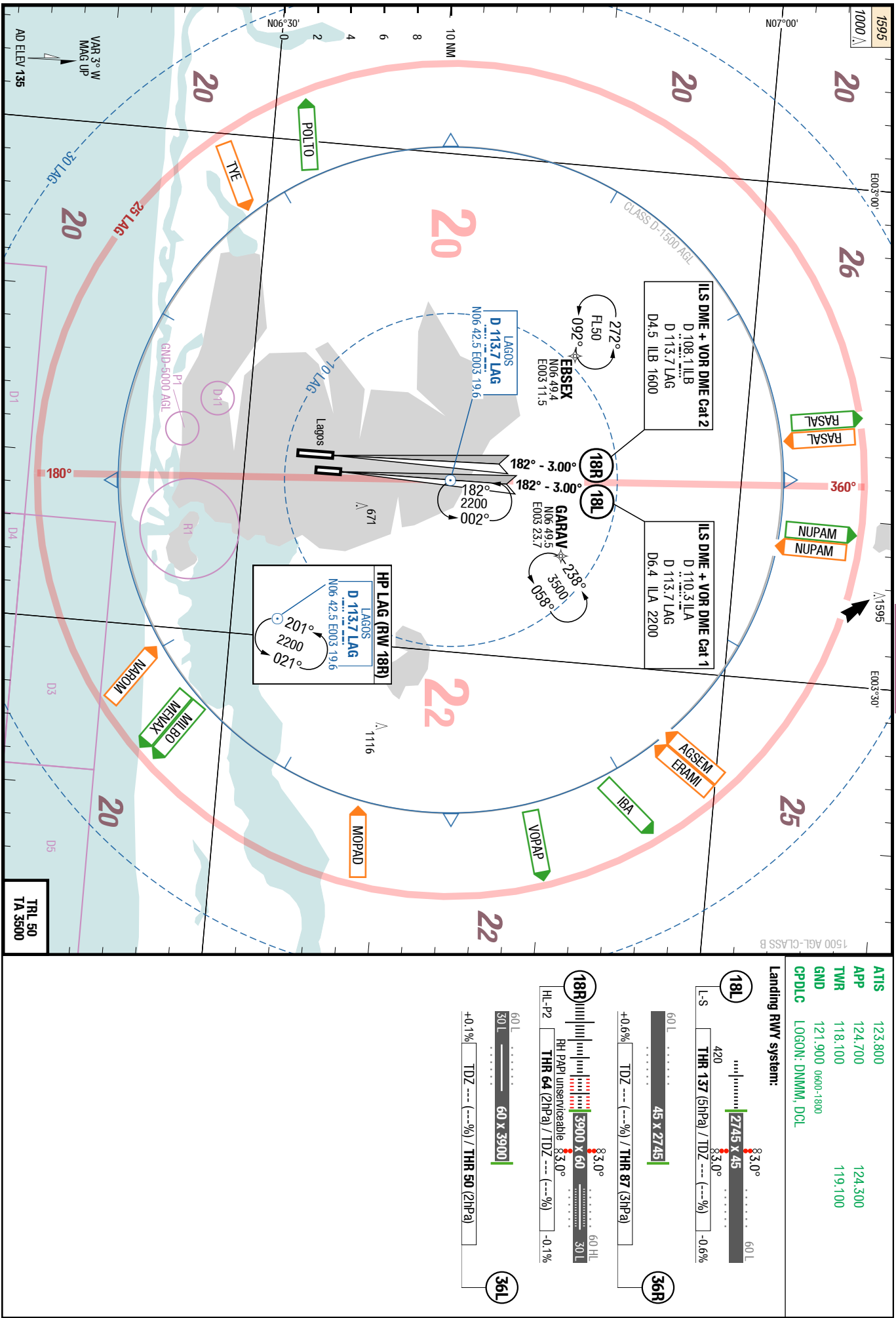
Do not exceed 230KT within 49NM of LAG VOR at FL100 and below.

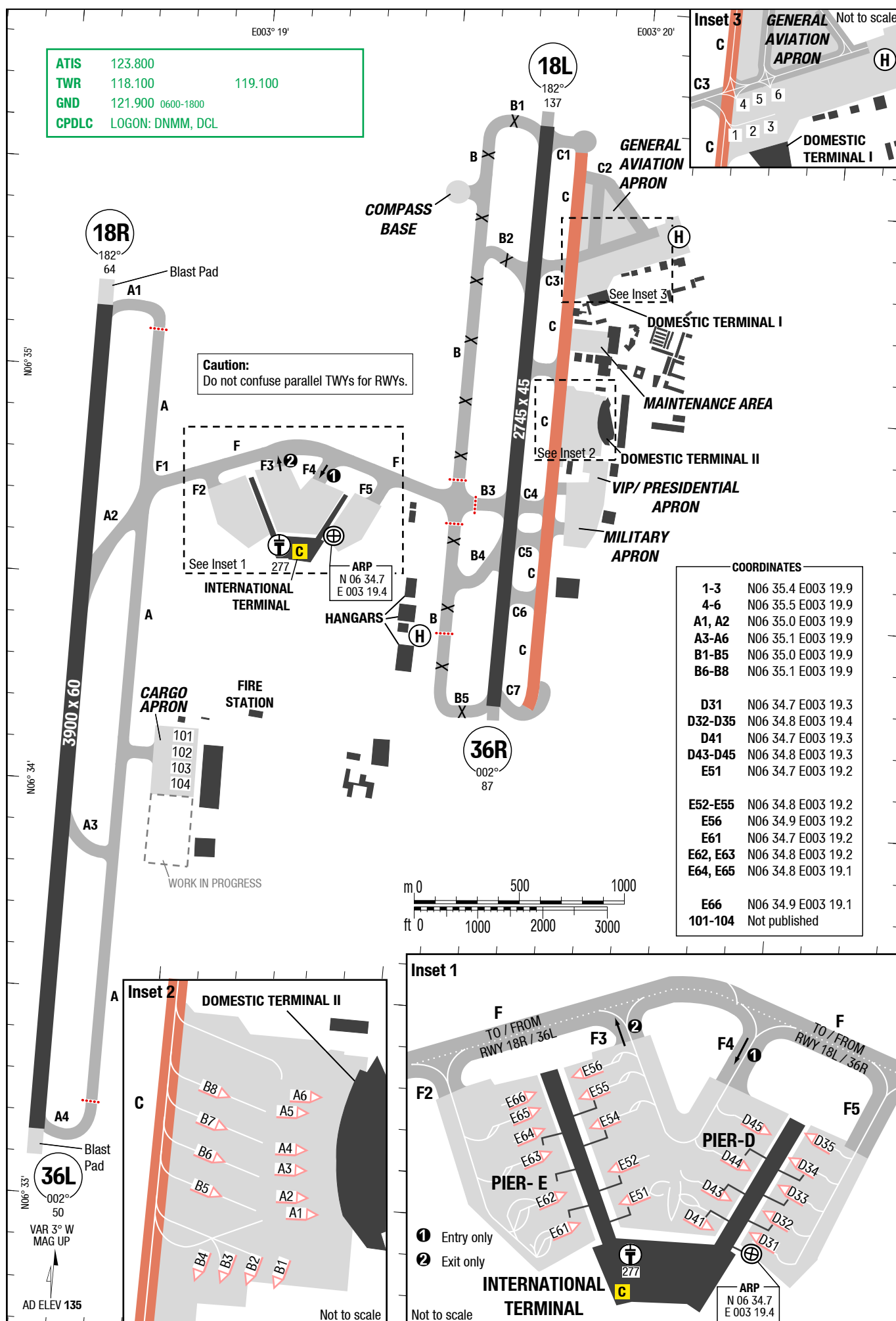
**Communication**

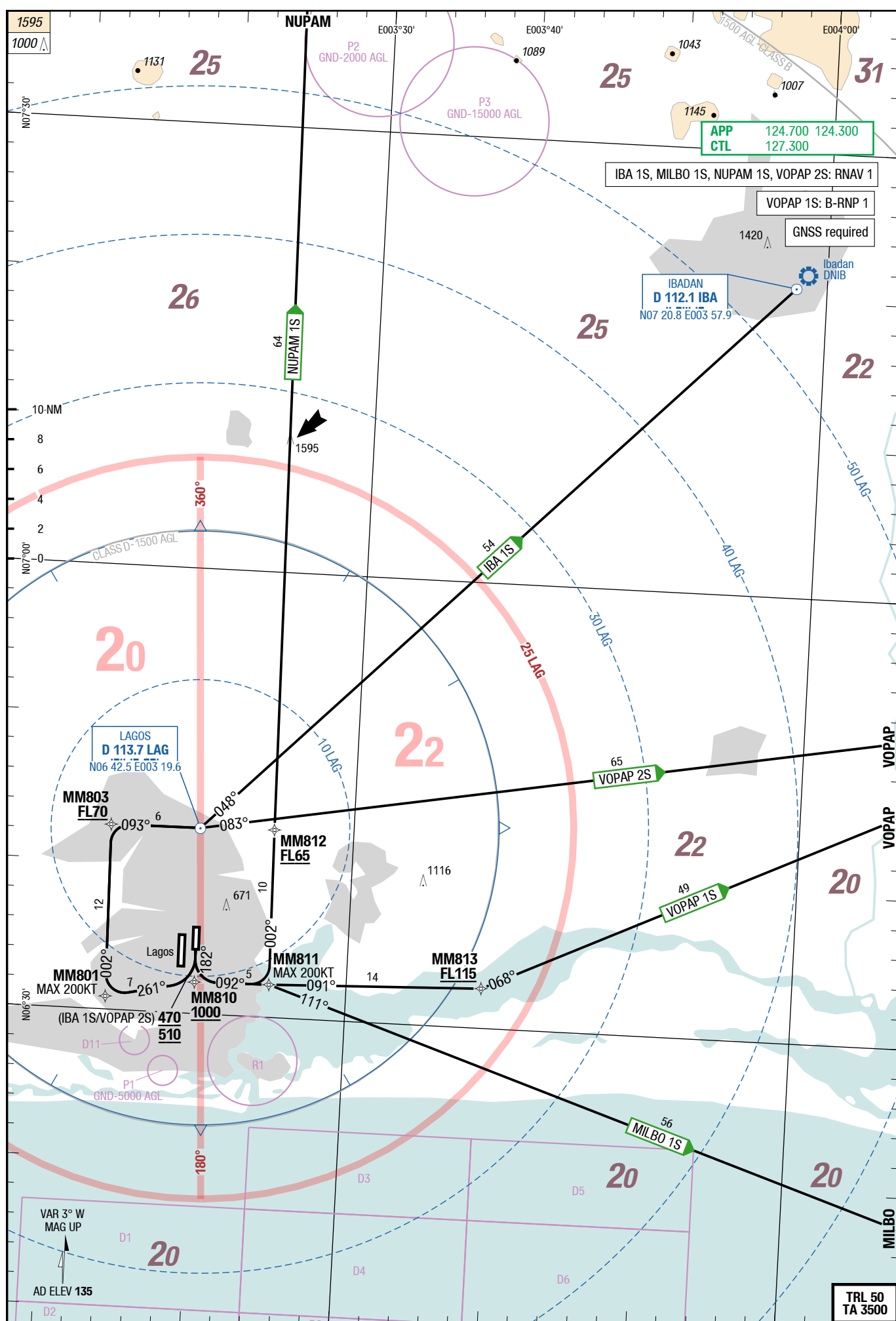
No need to report traffic estimate to Lagos ACC unless requested.

**DEPARTURE****Take-off Minima**

RWY		18R	
All ACFT	ft - m/km	0 - 200R/200V	-
RWY		18L	
All ACFT	ft - m/km	0 - 300R/300V	-
RWY		36L, 36R	
All ACFT	ft - m/km	0 - 400R/400V	-







07-DEC-2017

LOS-DNMM

Nigeria **Lagos** Murtala Muhammed

4-20

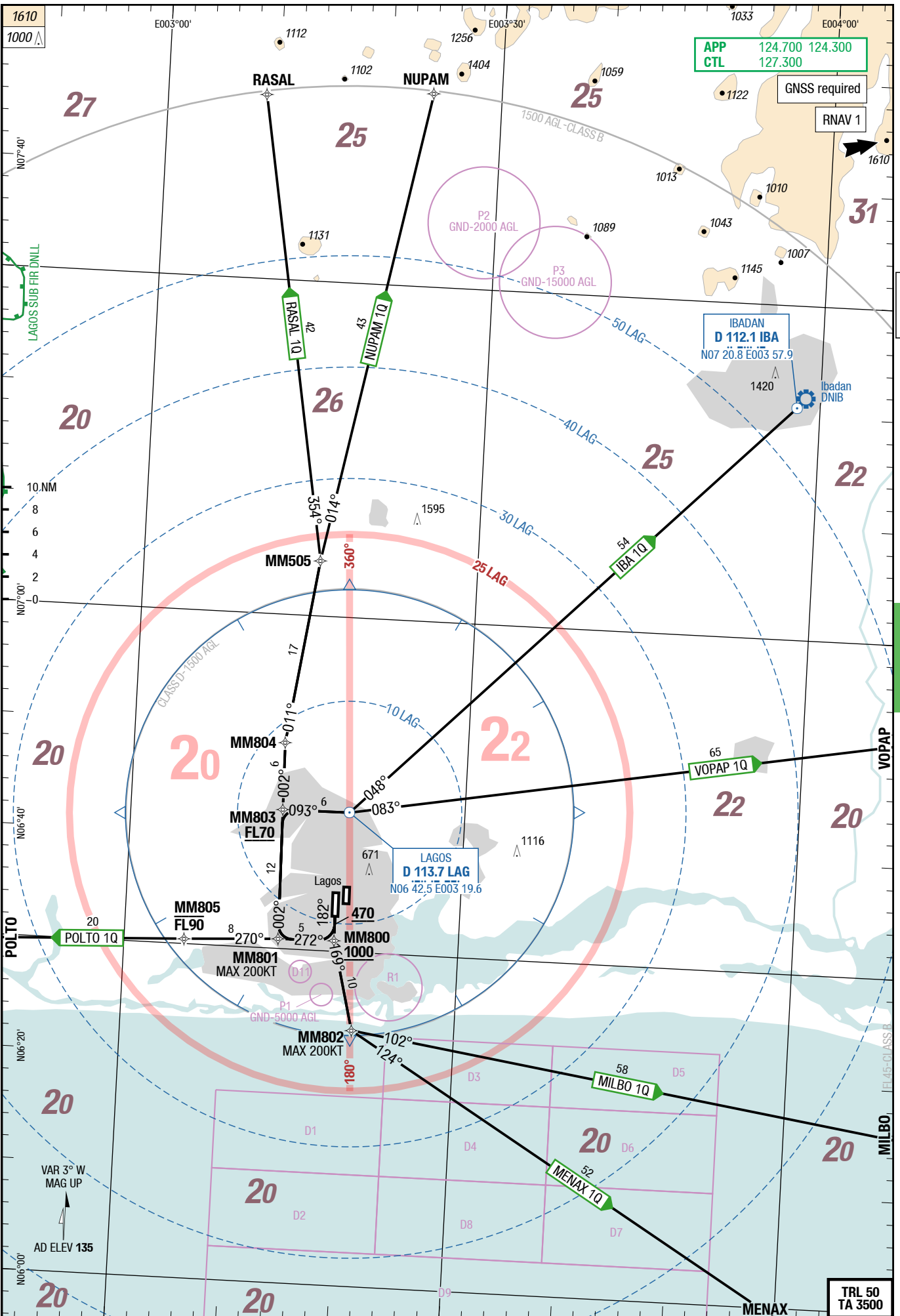
**RNAV SIDS RWY 18R**

SID

SID

Murtala Muhammed **Lagos** Nigeria

**RNAV SIDS RWY 18R**



17-AUG-2017

**LOS-DNMM**

5-10

**RNAV SIDs RWY 18L**

**IBADAN 1S / MILBO 1S / NUPAM 1S / VOPAP 1S / VOPAP 2S**  
 RWY 18L (182°)

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 18L</b>	
<b>IBADAN 1S</b> <b>IBA 1S</b> <b>124.300</b>	[A470+] - MM810 [R] - MM801 [K200-] - MM803 - LAG - IBA	MM810 MNM <b>1000</b> MM803 MNM <b>FL70</b>
<b>MILBO 1S</b> <b>124.300</b>	[A510+] - MM810 [L] - MM811 [K200- ;R] - MILBO	MM810 MNM <b>1000</b>
<b>NUPAM 1S</b> <b>124.300</b>	[A510+] - MM810 [L] - MM811 [K200- ;L] - MM812 - NUPAM	MM810 MNM <b>1000</b> MM812 MNM <b>FL65</b>
<b>VOPAP 1S</b> <b>124.300</b>	[A510+] - MM810 [L] - MM811 [K200-] - MM813 [L] - VOPAP	MM810 MNM <b>1000</b> MM813 MNM <b>FL115</b>
<b>VOPAP 2S</b> <b>124.300</b>	[A470+] - MM810 [R] - MM801 [K200-] - MM803 - LAG - VOPAP	MM810 MNM <b>1000</b> MM803 MNM <b>FL70</b>

Changes: FREQ

17-AUG-2017

**LOS-DNMM**

5-20

**RNAV SIDs RWY 18R**

**IBADAN 1Q / MENAX 1Q / MILBO 1Q / NUPAM 1Q / POLTO 1Q / RASAL 1Q / VOPAP 1Q**  
**RWY 18R (182°)**

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 18R</b>	
<b>IBADAN 1Q</b> <b>IBA 1Q</b> <b>124.300</b>	[A470+] - MM800 [R] - MM801 [K200- ;R] - MM803 [R] - LAG - IBA	MM800 MNM <b>1000</b> MM803 MNM <b>FL70</b>
<b>MENAX 1Q</b> <b>124.300</b>	[A470+] - MM800 - MM802 [K200- ;L] - MENAX	MM800 MNM <b>1000</b>
<b>MILBO 1Q</b> <b>124.300</b>	[A470+] - MM800 - MM802 [K200- ;L] - MILBO	MM800 MNM <b>1000</b>
<b>NUPAM 1Q</b> <b>124.300</b>	[A470+] - MM800 [R] - MM801 [K200- ;R] - MM803 - MM804 - MM505 - NUPAM	MM800 MNM <b>1000</b> MM803 MNM <b>FL70</b>
<b>POLTO 1Q</b> <b>124.300</b>	[A470+] - MM800 [R] - MM801 [K200-] - MM805 - POLTO	MM800 MNM <b>1000</b> MM805 MAX <b>FL90</b>
<b>RASAL 1Q</b> <b>124.300</b>	[A470+] - MM800 [R] - MM801 [K200- ;R] - MM803 - MM804 - MM505 [L] - RASAL	MM800 MNM <b>1000</b> MM803 MNM <b>FL70</b>
<b>VOPAP 1Q</b> <b>124.300</b>	[A470+] - MM800 [R] - MM801 [K200-] - MM803 - LAG - VOPAP	MM800 MNM <b>1000</b> MM803 MNM <b>FL70</b>

07-DEC-2017  
LOS-DNMM

Nigeria **Lagos** Murtala Muhammed  
[RNAV STARS RWY 18R]  
6-10  
RNAV STARS RWY 18L

STAR  
STAR

Murtala Muhammed **Lagos** Nigeria  
[RNAV STARS RWY 18R]  
RNAV STARS RWY 18L

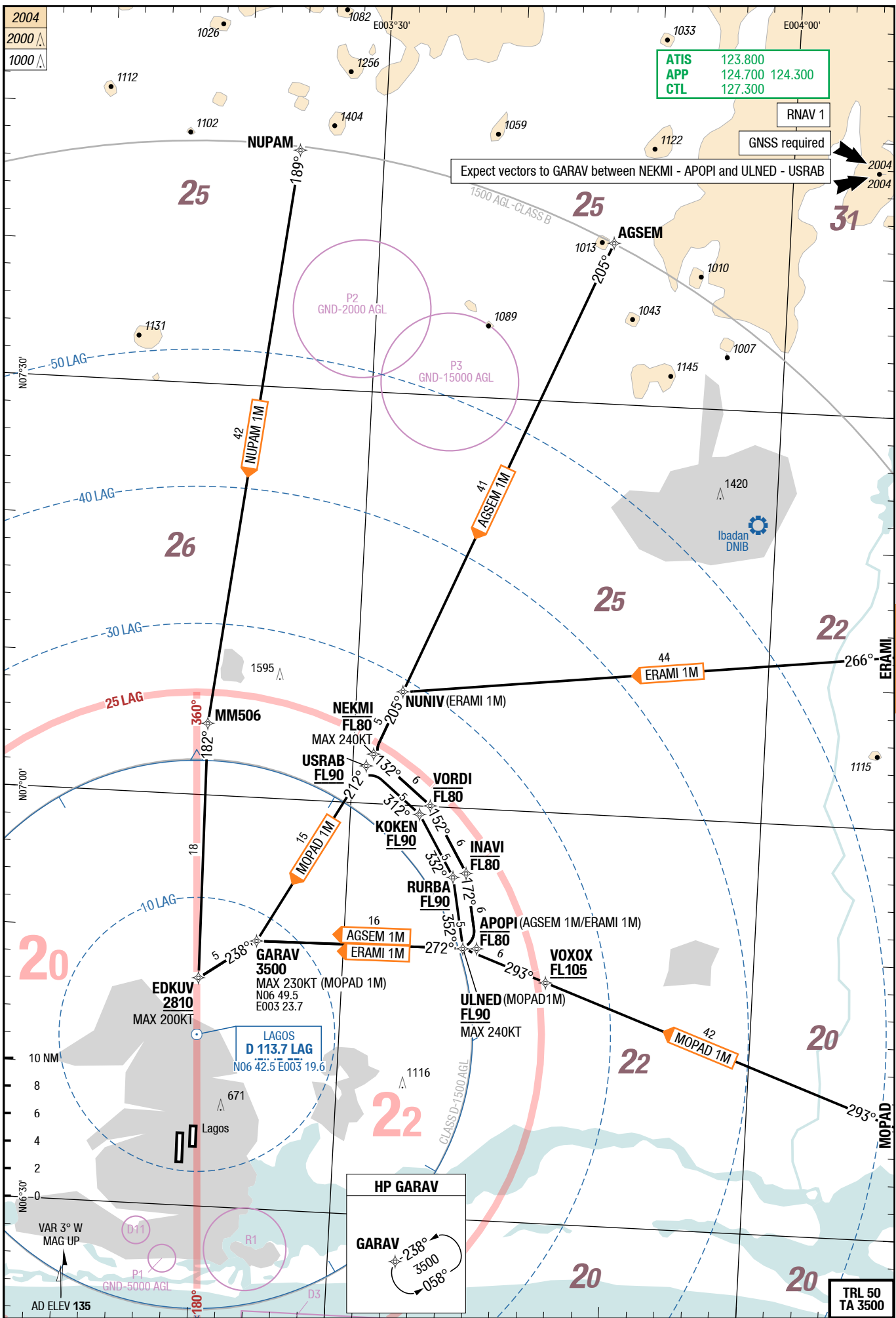
TRL 50  
TA 3500

ATIS	123.800
APP	124.700 124.300
CTL	127.300

RNAV 1

GNSS required

Expect vectors to GARAV between NEKMI - APOPI and ULNED - USRAB



Changes: FREQ, ASP, Note



## LOS-DNMM

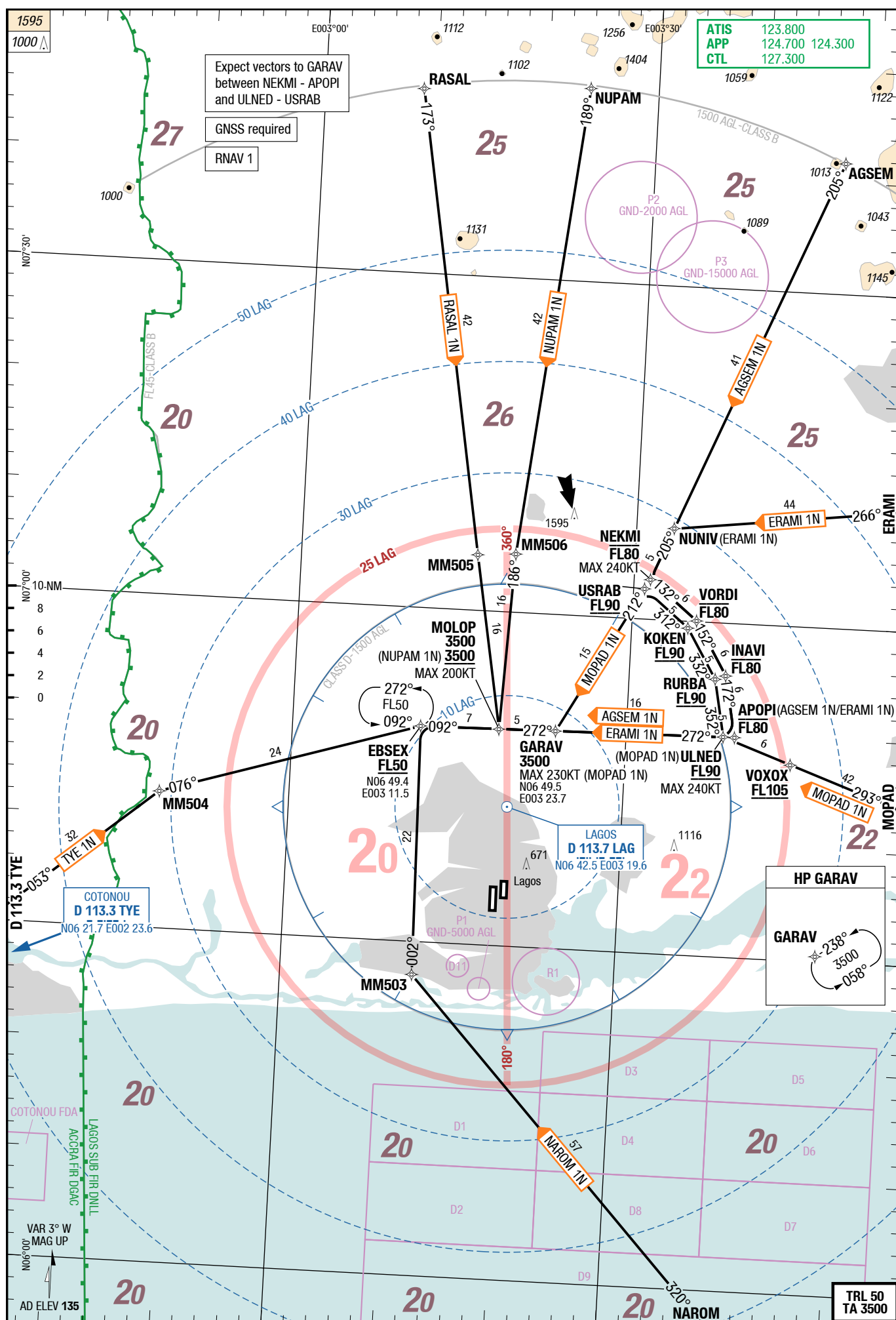
6-20

## RNAV STARS RWY 18R

**STAR**

**STAR**

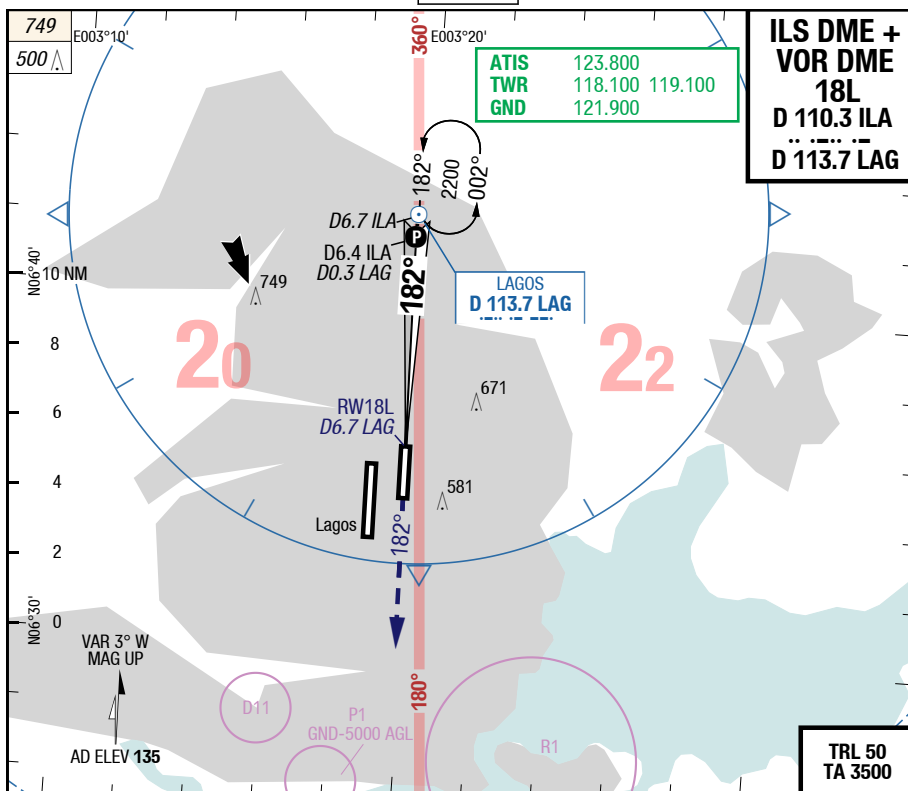
## RNAV STARS RWY 18R



## LOS-DNMM

7-10

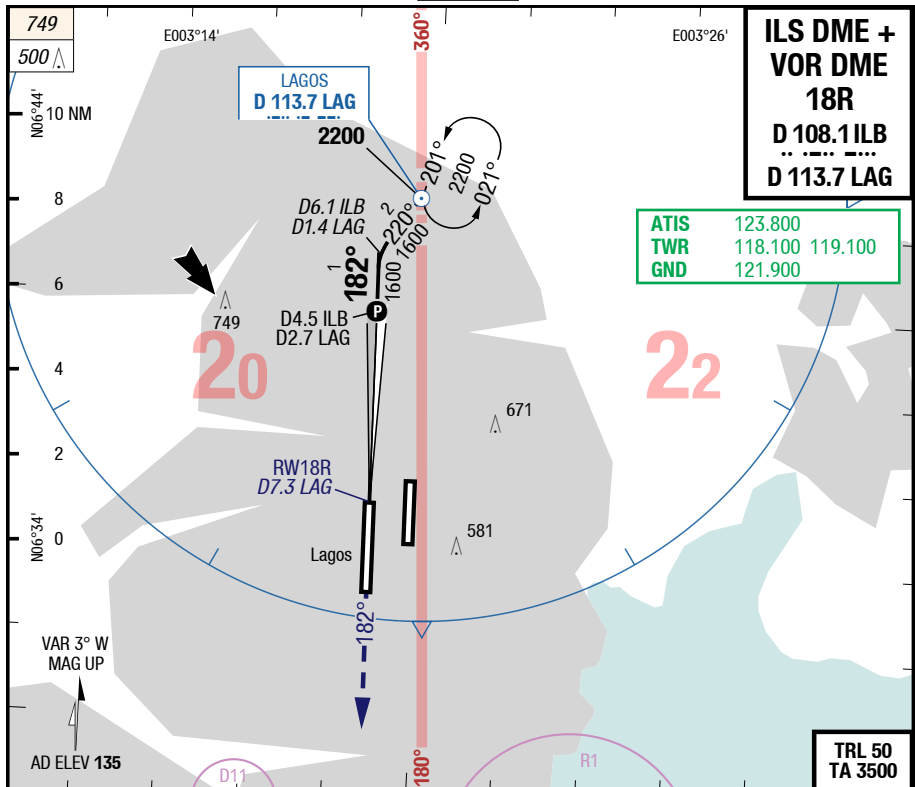
## ILS DME + VOR DME 18L



## LOS-DNMM

7-20

## ILS DME + VOR DME 18R



18R	Cat 2 DME	Cat 1 DME <sup>1)</sup>	LOC DME	LOC DME APL U/S	Circling
C	ft - m/km ft 130 - 400R 124 RA	330 - 800R/800V 390	430 - 1.3R 490		940 - 3.6V 1070
D	ft - m/km ft 150 - 450R 139 RA	340 - 800R/800V 400	430 - 1.3R 490	430 - 2.4 490	940 - 3.6V 1070

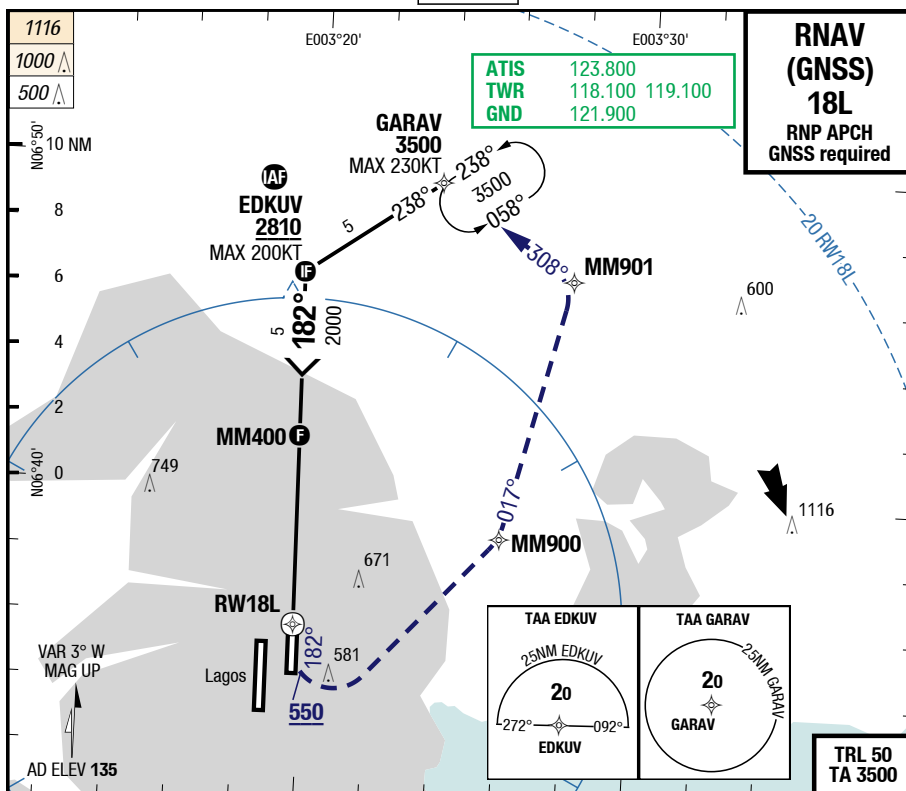
1) With EVS RVR 550m/ VIS 550m

Changes: MIN

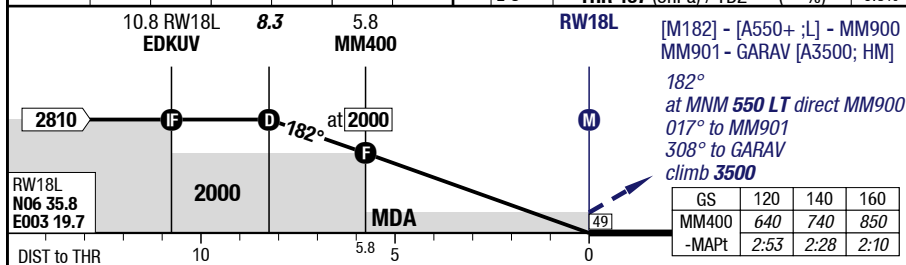
## LOS-DNMM

7-30

## RNAV (GNSS) 18L



3.00° <b>RW18L</b>	8.3	6	5	4	3	2	<div> <div>18L</div> <div>L-S</div> </div>	<div> <div> <div>8.3.0°</div> <div>60 L</div> </div> <div> <div>2745 x 45</div> <div>420</div> </div> </div>
	2810	2080	1760	1450	1130	820		<div> <div> <div>8.3.0°</div> <div>THR 137 (5hPa) / ID7 --- (---%)</div> <div>-0.6%</div> </div> </div>



<b>18L</b>		<b>RNAV GNSS</b> VNAV 1) 2) 3)	<b>RNAV GNSS</b> LNAV				<b>Circling</b>
C	ft - m/km ft	420 - 1.7 <b>550</b>	480 - 2.0 <b>610</b>				940 - 4.0V <b>1070</b>
D	ft - m/km ft	420 - 1.7 <b>550</b>	480 - 2.0 <b>610</b>				940 - 4.4V <b>1070</b>

1) Uncompensated BARO VNAV NA below -10°C (14°F)  
2) SBAS use for VNAV not applicable or not authorized

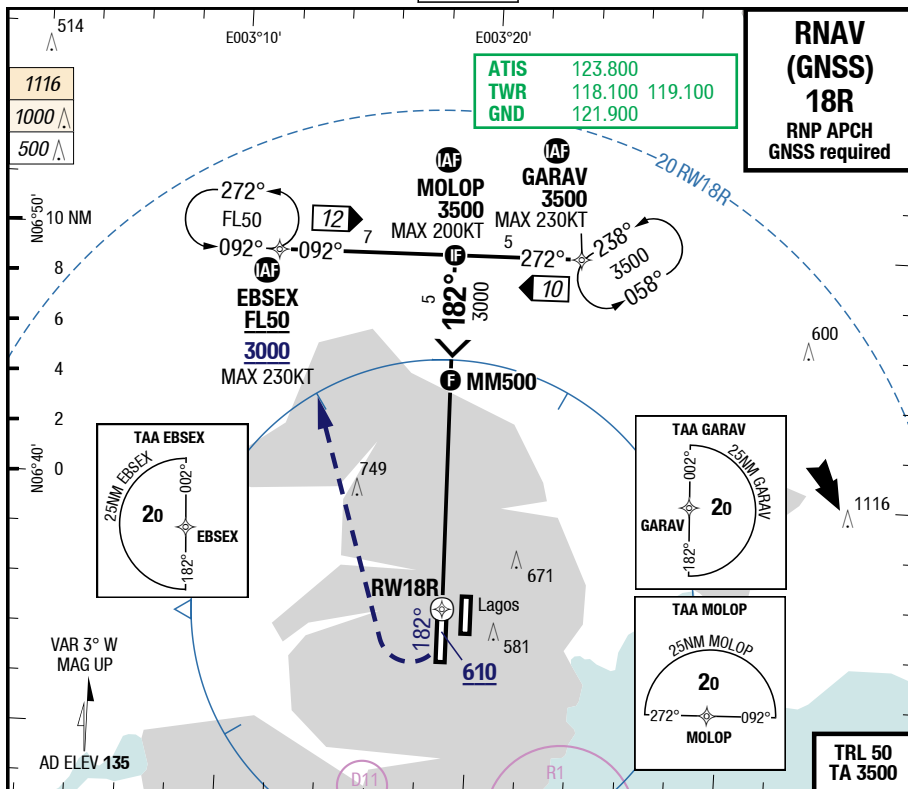
3) With EVS 1.1km

Changes: MIN

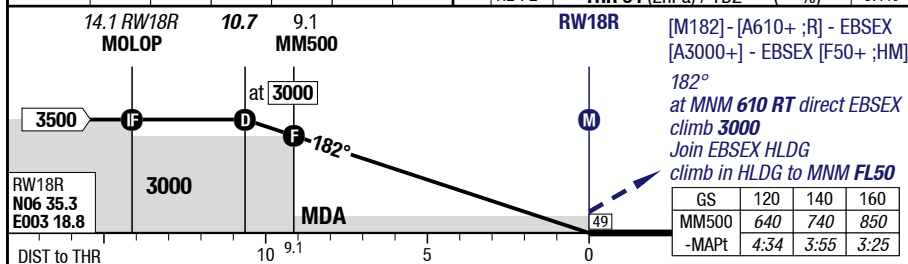
## LOS-DNMM

**7-40**

## RNAV (GNSS) 18R



3.00° <b>RW18R</b>	10.7	7	5	4	3	2	
	3500	2330	1700	1380	1070	750	



<b>18R</b>		<b>RNAV GNSS</b> VNAV 1) 2) 3)	<b>RNAV GNSS</b> LNAV				<b>Circling</b>
C	ft - m/km ft	500 - 1.5 <b>560</b>	550 - 1.8 <b>610</b>				940 - 4.0V <b>1070</b>
D	ft - m/km ft	500 - 1.5 <b>560</b>	550 - 1.8 <b>610</b>				940 - 4.4V <b>1070</b>

1) Uncompensated BARO VNAV NA below -10°C (14°F)

3) With EVS 1.0km

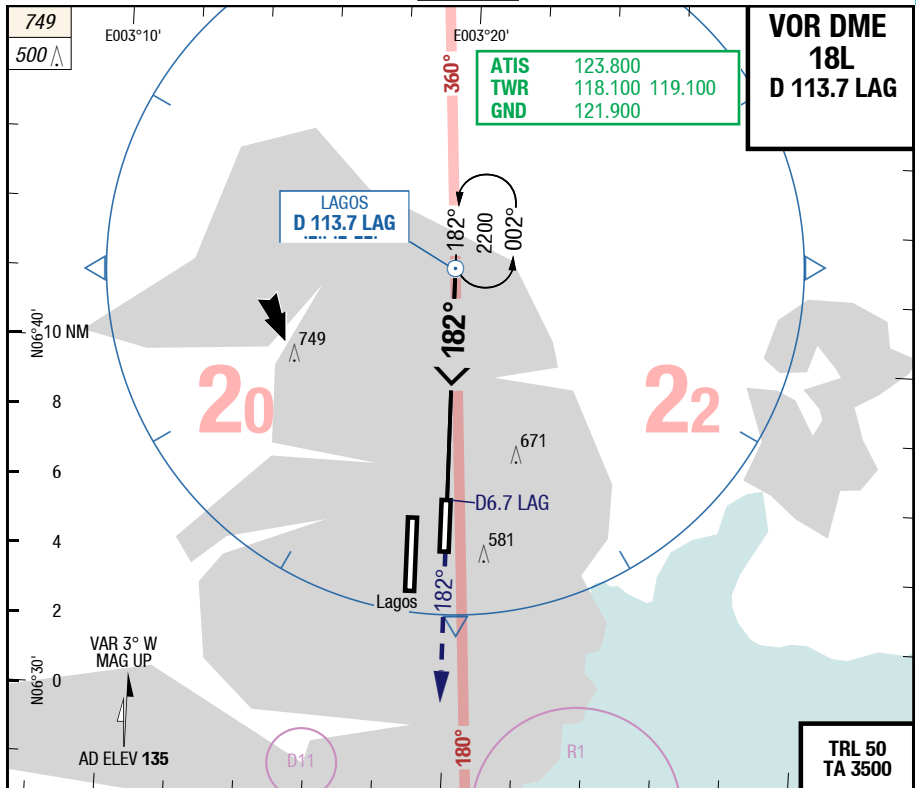
1) Uncompensated BARO VNAV NA below -10°C (14°F)  
2) SBAS use for VNAV not applicable or not authorized

Changes: MIN

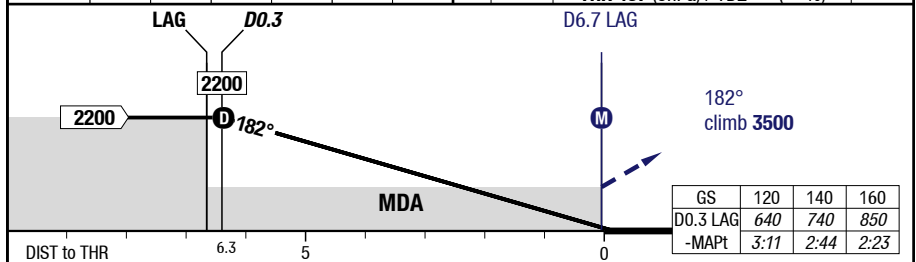
# LOS-DNMM

7-50

## VOR DME 18L



3.00° D LAG	0.3	1	2	3	4	5	18L	83.0°	60 L
	2200	1990	1670	1360	1040	720	L-S	2745 x 45	
								THR 137 (5hPa) / TDZ --- (---%)	-0.6%

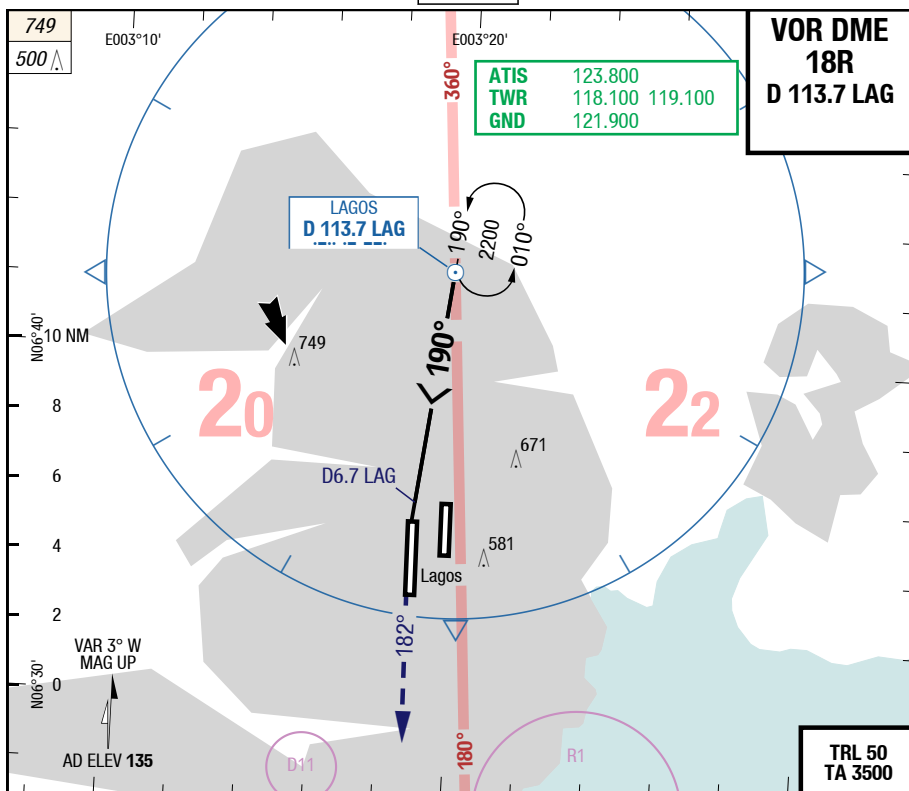


18L	VOR DME					Circling
C	ft - m/km ft	530 - 2.2 660				940 - 3.6V 1070
D	ft - m/km ft	530 - 2.2 660				940 - 3.6V 1070

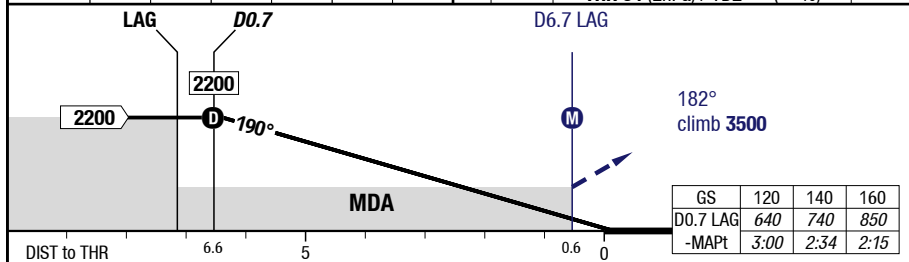
# LOS-DNMM

7-60

## VOR DME 18R



3.00° D LAG 190° RWY 182°	0.7	1	2	3	4	5	18R	83.0° 60 HL 30 L
	2200	2110	1790	1480	1160	840	RH PAPI unserviceable HL-P2 THR 64 (2hPa) / TDZ --- (---%) -0.1%	



18R	VOR DME					Circling
C	ft - m/km ft	560 - 1.8 620				940 - 3.6V 1070
D	ft - m/km ft	560 - 1.8 620				940 - 3.6V 1070