

GENERAL**Operational Hours****ATS Hours / AD OPS Hours / AD ADMIN Hours:** H24**Airport Information****RFF:** CAT 9**Fuel:** No. 3 Jet Fuel**PCN:** RWY 03/21

133/F/B/W/T (295-1000m / 968-3281ft, 3000-3705m / 9842-12155ft from THR 21)

113/F/B/W/T (1000-3000m / 3281-9842ft from THR 21)

106/R/B/W/T (0-295m / 0-968ft, 3705-4000m / 12155-13123ft from THR 21)

RWY 04/22

133/F/B/W/T (295-1000m / 968-3281ft, 3000-3705m / 9842-12155ft from THR 04)

113/F/B/W/T (1000-3000m / 3281-9842ft from THR 04)

106/R/B/W/T (0-295m / 0-968ft, 3705-4000m / 12155-13123ft from THR 04)

Customs: HS or O/R**Operation****Low Visibility Procedure**

LVP in force when VIS below at or below 1000m and if height of cloud base or vertical VIS at or below 90m.

During CAT II condition, use RWY 03 and RWY 22 for LDG.

Report "RWY vacated" after leaving the ILS sensitive area.

Follow-me AVBL O/R within APN.

RWY Restriction

180° turn on RWY prohibited without permission from ATC.

TWY Restrictions

180° turn on TWY strictly prohibited.

TWY S east of TWY C and TWY U east of TWY C not AVBL.

TWY C, C1-C4, C7-C10, D, D3, D5 (between C and D), D7-D9, S, J, L/Q/R (east of H1), D4/D6/U (east of D), P (east of H2), H1 (between S and Q) MAX wingspan <80m / 262ft.

| TWY F2 east of TWY E MAX wingspan <36m / 118ft.

Other TWYs MAX wingspan <65m / 213ft.

Follow-me AVBL via GND.

GENERAL

Hot Spots

HOT SPOT No.	DESCRIPTION
HS 1	ACFT Taxiing from TWY Q to TWY F shall follow ATC instructions strictly at HLDG PSN to avoid conflict and report it.
HS 2	ACFT shall implement ATC instruction strictly at HLDG PSN to avoid conflict and report it.
HS 3	DEP ACFT taxiing on TWY S from west to east shall avoid to enter RWY.
HS 4	DEP ACFT taxiing on TWY U from west to east shall avoid to enter RWY.
HS 5 / HS 6	Control blind zone, ACFT shall follow ATC instructions strictly.
HS 7	ACFT taxiing from TWY H2 to TWY Q or R shall pay attention to one-way restrictions of TWY Q and R, follow ATC instructions strictly at HLDG position.
HS 8	ACFT taxiing from TWY H3 to TWY Q or R shall pay attention to one-way restrictions of TWY Q and R, follow ATC instructions strictly at HLDG position.
HS 9	Stands 501-516: Taxi out on own PWR and follow strictly ATC instructions.
HS 10	Stands 531-544: Taxi out on own PWR and follow strictly ATC instructions.

Warnings

Birds in vicinity of AD.

ARRIVAL

Communication

COM Failure

Maintain last assigned ALT by ATC, from MEBNA, XISLI, DADOL, KIBES fly direct to XFA, from LXI, ELASU, GULOT fly direct XSJ.

- Turn right and join the circling HLDG procedure after XFA, outbound track 040°, outbound time 2min, inbound track 220°, descend to ALT 3600m / 11800ft and hold, choose RWY according ATIS, then fly to IAF and follow strictly the IAP.
- Join the HLDG procedure after XSJ, descend to ALT 3600m / 11800ft and hold, choose RWY according ATIS, then fly to IAF and follow strictly the IAP.

ACFT which has already flown over IAF, shall continue landing according to the standard IAP.

ARRIVAL**Arrival Procedure**

Minimum RWY Occupancy Time (MROT): Ensure standard MROT procedures and in addition:

ARR ACFT vacating RWY via rapid exit TWY shall contact GND ASAP and

- when RWY 21 and RWY 22 in use: hold on TWY F or TWY C nose to south before obtaining taxiing instructions from GND.
- when RWY 03 and RWY 04 in use: hold on TWY F or TWY C nose to the north before obtaining taxiing instructions from GND.

Landing RWY in use	Rapid exit TWYs
RWY 04	C3, C4, C5
RWY 22	C6, C7, C8
RWY 03	F3, F4, F5
RWY 21	F6, F7, F8

DEPARTURE**Take-off Minima**

RWY		03/21, 04/22		
A, B, C	2 Turbine or 3 + 4 ENG	ft - m/km	0 - 200R	REDL+RCLL, LVP
D			0 - 250R	
All ACFT			0 - 400R	REDL
			0 - 500R	wo LGT, HJ only
Others 1 + 2 ENG			0 - 1.6V	-

Communication**COM Failure**

Maintain last assigned ALT by ATC, from MEBNA, XISLI, DADOL, KIBES fly direct to XFA, from LXI, ELASU, GULOT fly direct XSJ.

Departure Procedure**Start-up/Push-back**

Contact GND for push-back and start-up CLR. CLR valid for 5min.

Minimum RWY Occupancy Time (MROT): Ensure standard MROT procedures and in addition:

ACFT shall finish RWY alignment within 60s after receiving ATC CLR. If unable to comply inform ATC.

ATC Slot and Clearance

Data Link Departure Clearance (DCL): See CRAR and in addition:

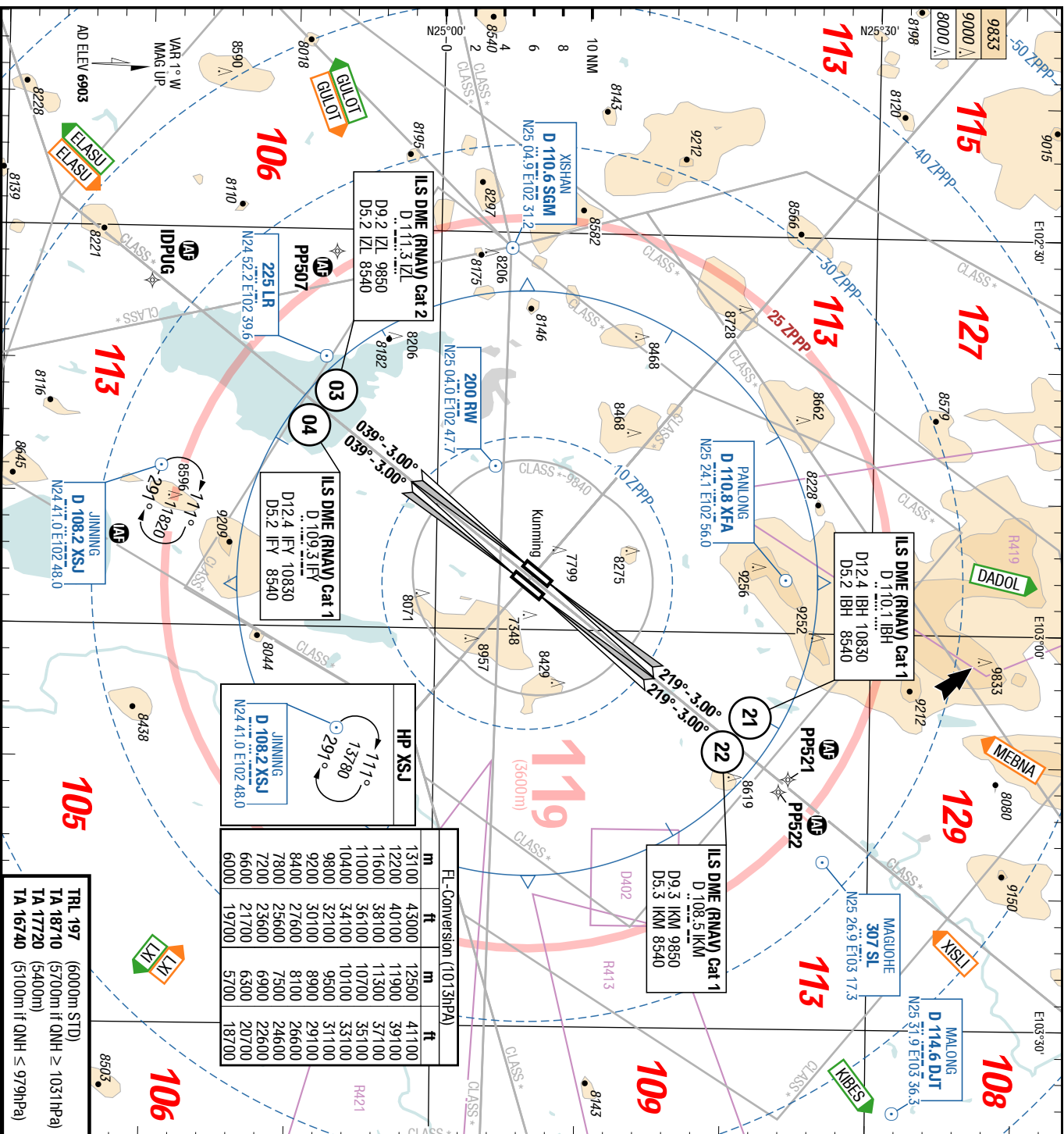
DCL trial services implemented. Apply for ATC CLR 30 to 10min before EOBT. Repeat CLR at first contact if DCL service did not complete confirmation. Contact controller immediately if DCL service not AVBL. When ready for push-back and start-up contact ATC.

De-icing

AVBL HO.

Contact TWR before push-back if de-icing is needed.

After de-icing contact TWR for start-up CLR.



D-ATIS	128.450	
APP	119.000	AP01 by ATC
	123.800	AP02 by ATC
	120.350	AP03
	124.250	AP05
	121.150	AP04 by ATC
	124.250	AP05 by ATC
	120.350	AP05 by ATC
	119.225	AP07 by ATC
TWR	118.100	ENRMY 04422
	118.850	
GND	121.650	E
	121.850	E
DLV	121.700	HO
	121.850	HO
OPC	133.300	FOLLOW ME AND TOWING
DCL		

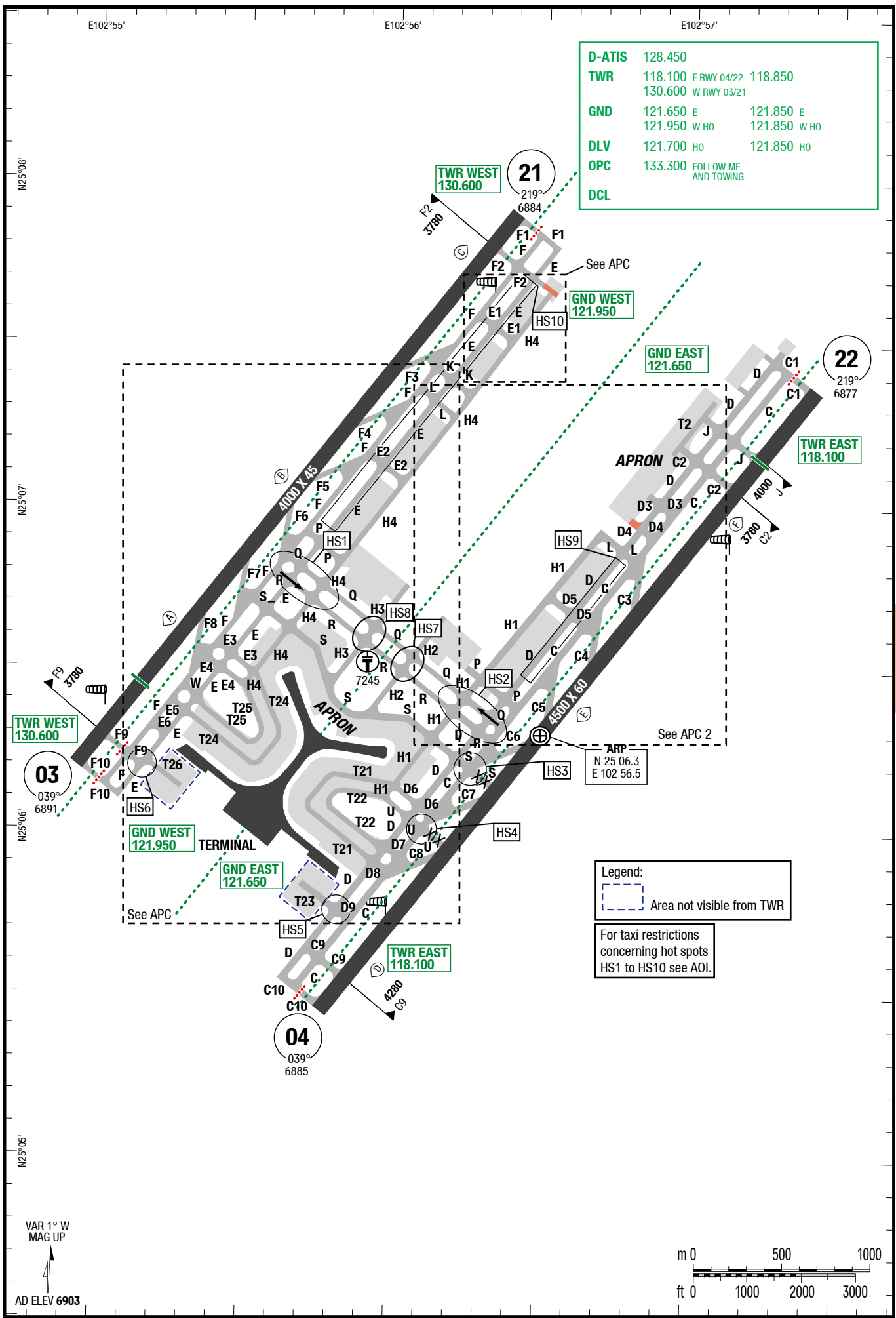
Landing RWY system:

03	HL-P2F	THR 6898 (224hPa) / TDZ 6901 (---%)	-0.1%
		45 x 4000	3.0°
		15 HL	60 HL

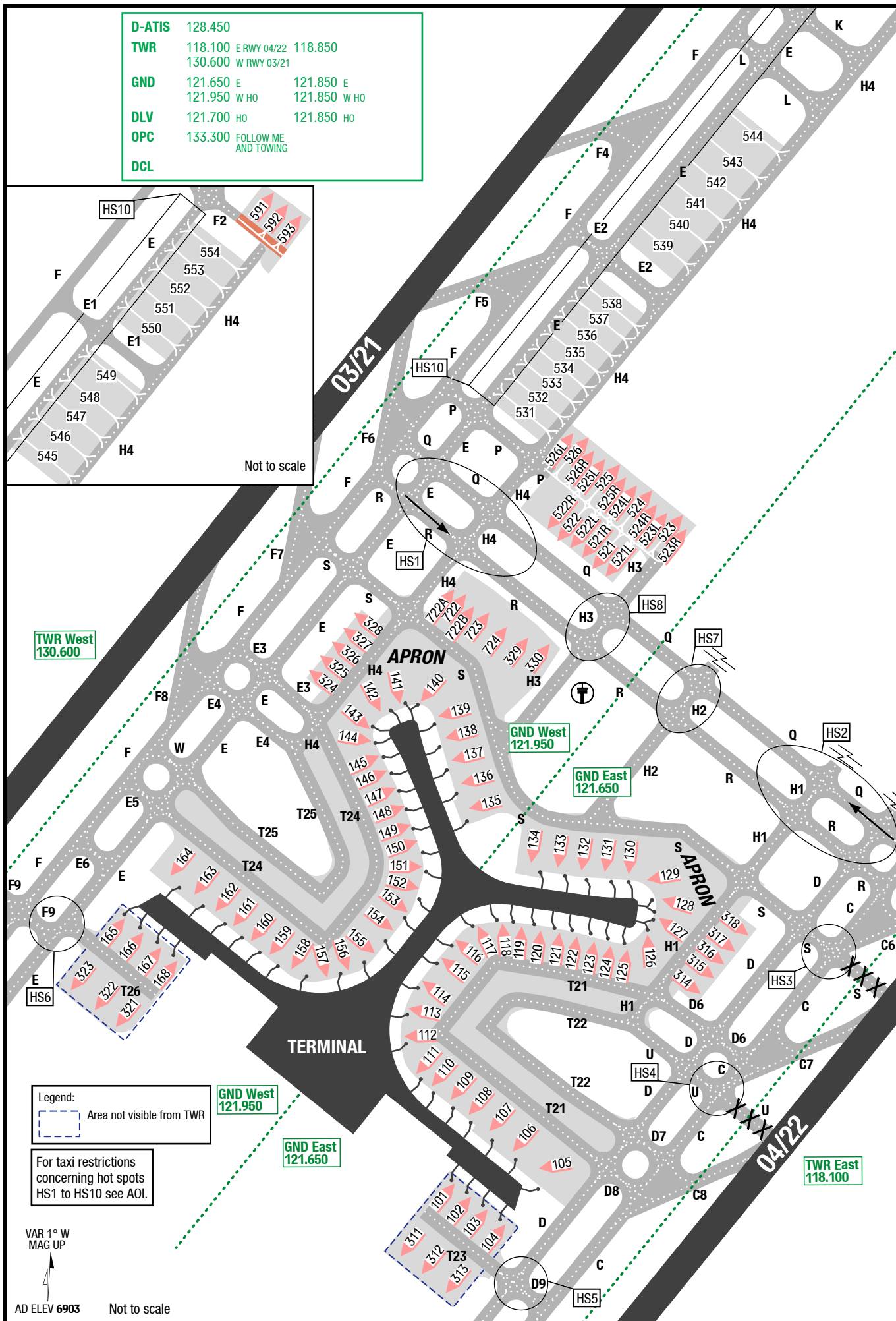
04	HL-P1F	THR 6885 (223hPa) / TDZ 6895 (---%)	0.0%
		4500 x 60	8.3.0°
		15 HL	60 HL

22	HL-P2F	THR 6879 (223hPa)	0.0%
		60 x 4000	3.0°
		15 HL	60 HL

D-ATIS	128.450	
TWR	118.100 E RWY 04/22	118.850
	130.600 W RWY 03/21	
GND	121.650 E	121.850 E
	121.950 W HO	121.850 W HO
DLV	121.700 HO	121.850 HO
OPC	133.300	FOLLOW ME AND TOWING
DCL		



Changes: Inset, TWY H4, K, E1, APN, HS



D-ATIS	128.450	
TWR	118.100 E RWY 04/22	118.850 W RWY 03/21
GND	121.650 E	121.850 E
	121.950 W HO	121.850 W HO
DLV	121.700 HO	121.850 HO
OPC	133.300	FOLLOW ME AND TOWING
DCL		

GND East
121.650

TWR East
118.100

VAR 1° W
MAG UP

AD ELEV 6903

Not to scale

06-SEP-2018

KMG-ZPPP

China **Kunming** Changshui

RNAV SIDs RWY 04

RNAV SIDs RWY 03

SID

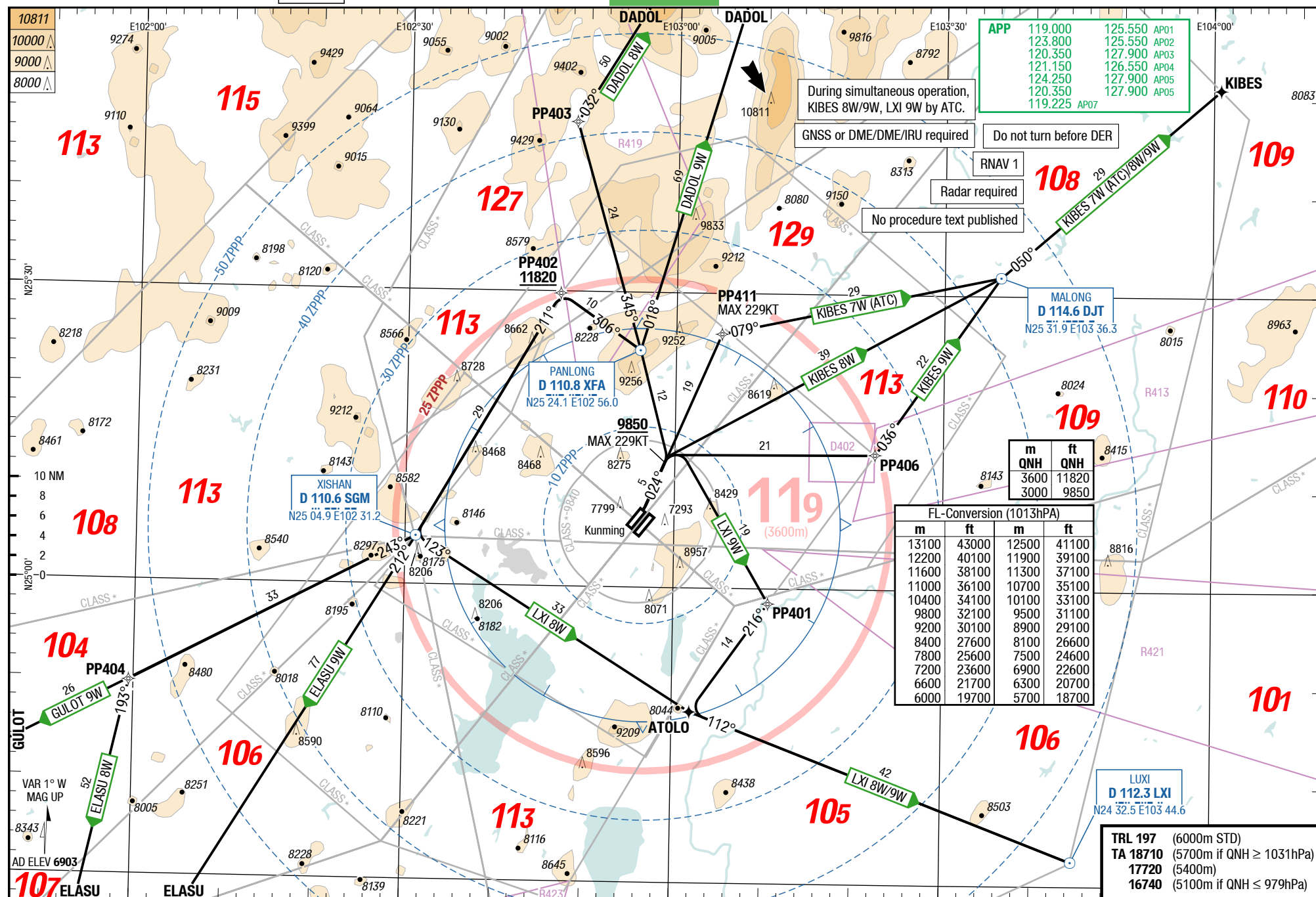
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Changshui **Kunming** China

RNAV SIDs RWY 04

RNAV SIDs RWY 03

4-10



Changes: Speed RESTR, Track, Note, OBST

KMG-ZPPP

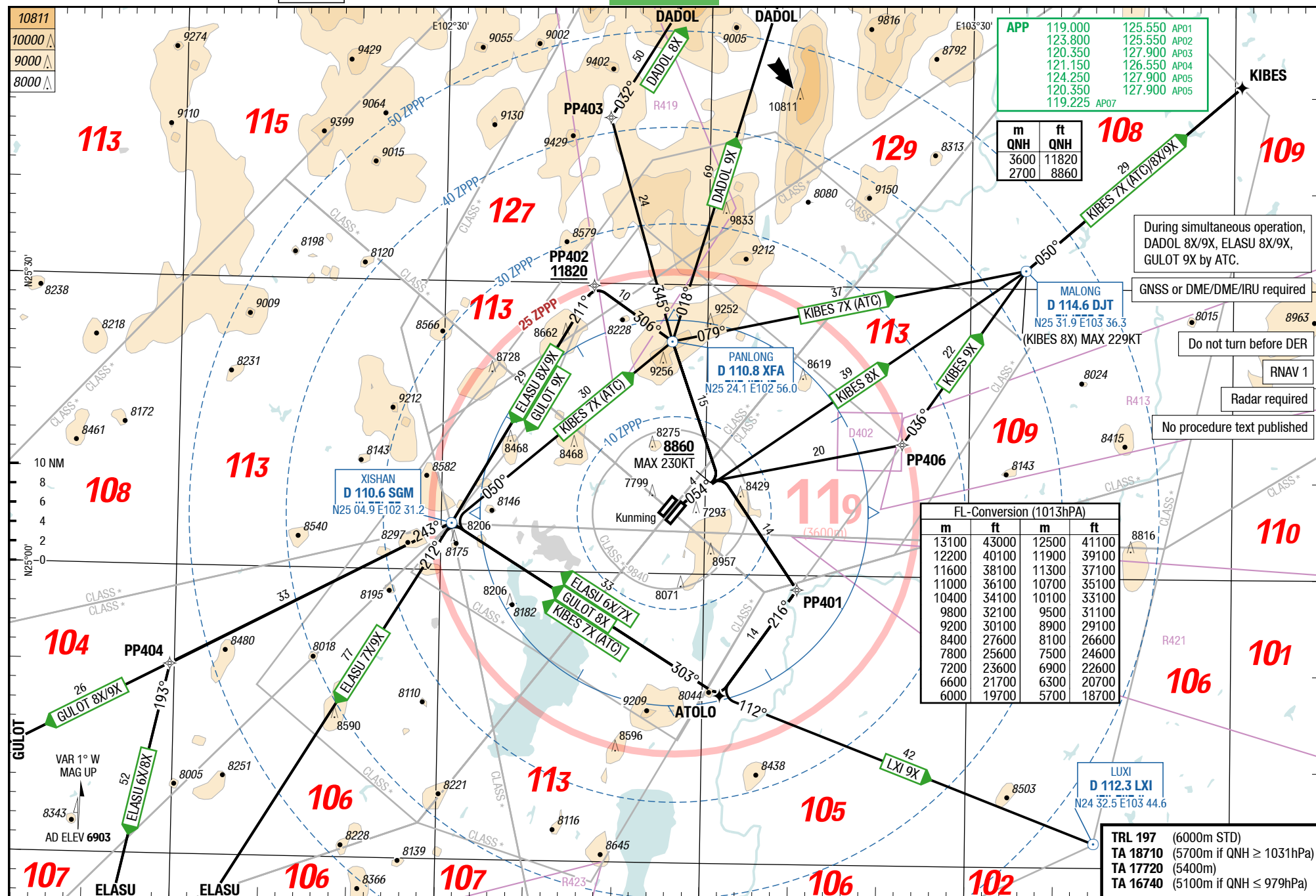
RNAV SIDs RWY 04

SID

SID

RNAV SIDs RWY 04

4-20



Changes: Speed RESTR, Track, Note, OBST

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Effective 04-JAN-2018

28-DEC-2017

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RNAV SIDs RWY 22

4-30

RNAV SIDs RWY 21

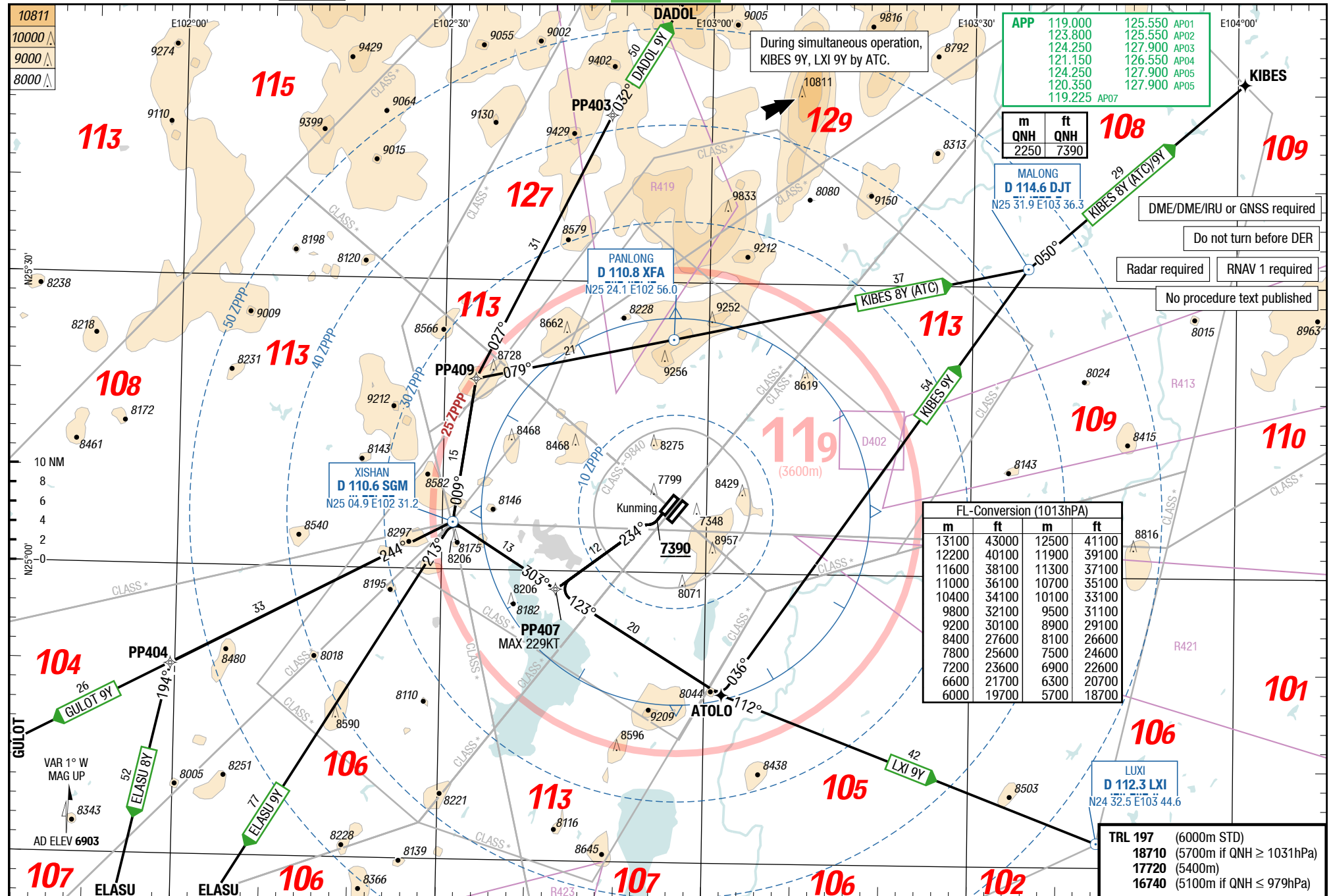
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RNAV SIDs RWY 22

RNAV SIDs RWY 21



Effective 04-JAN-2018

28-DEC-2017

KMG-ZPPP

4-40

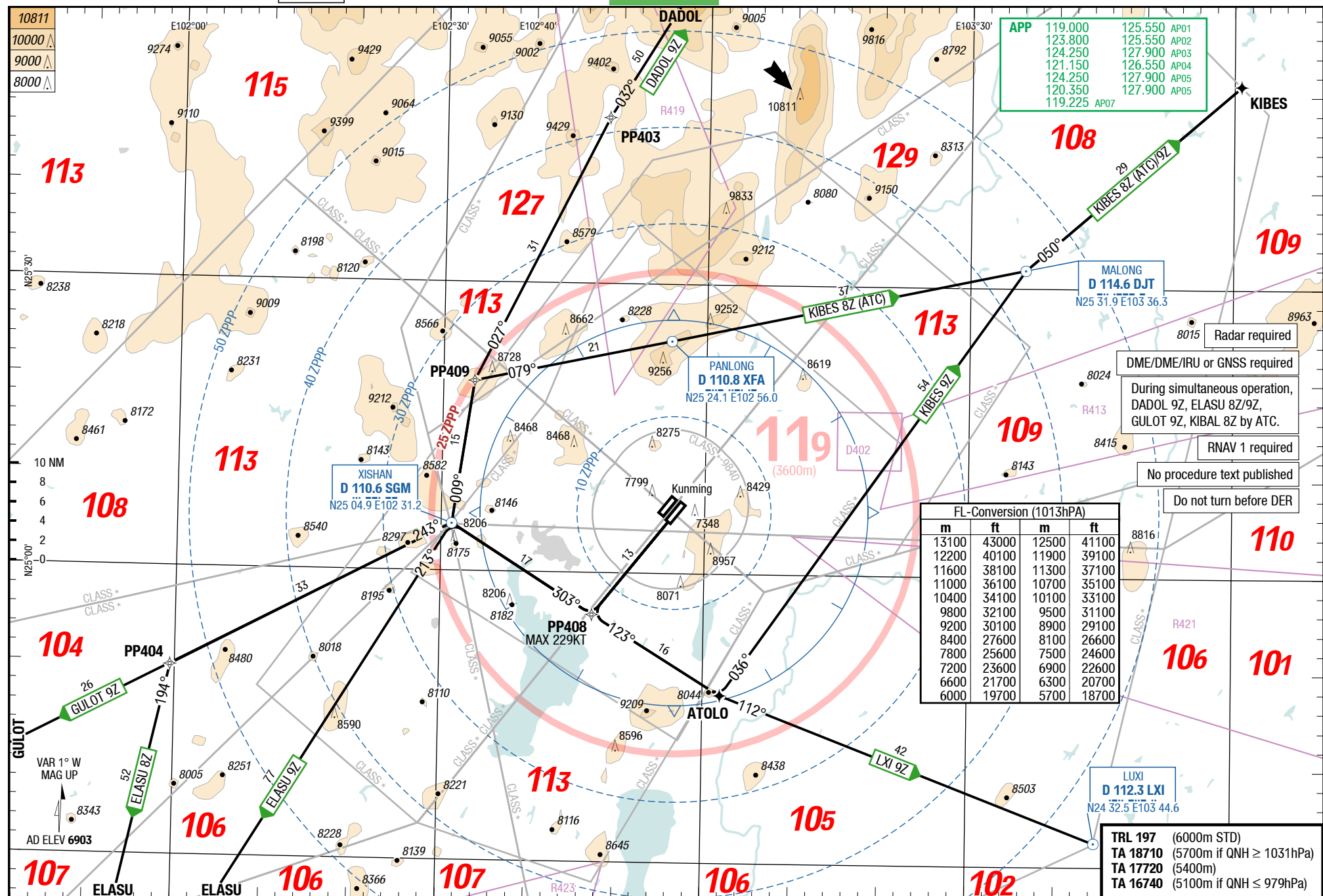
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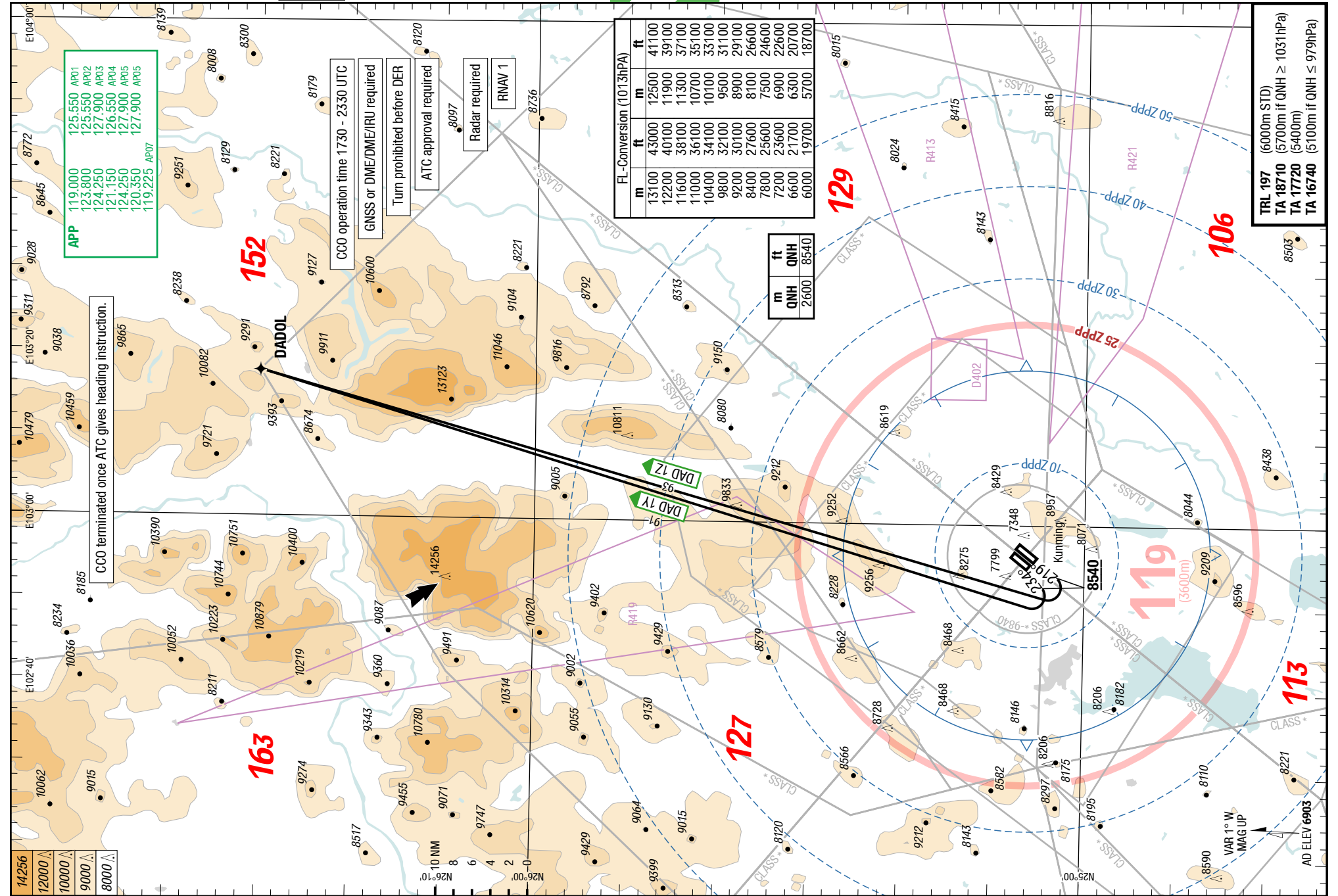
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RNAV SIDs RWY 22



Changes: FREQ, MGA, OBST



Effective 19-JUL-2018

12-JUL-2018

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SIDs RWY 04

SIDs RWY 03

SID

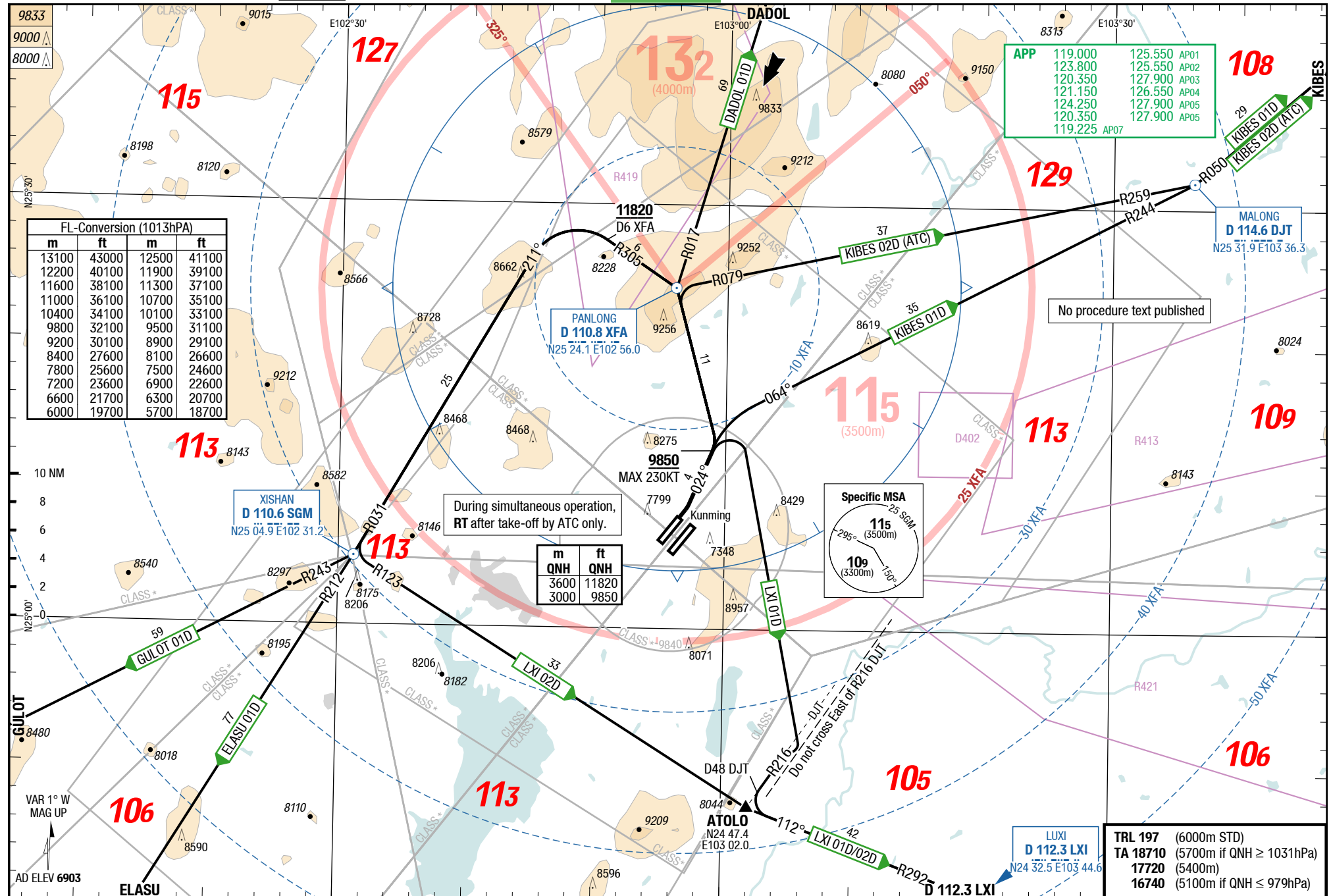
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SIDs RWY 04

SIDs RWY 03

4-50



Changes: Reprint

KMG-ZPPP

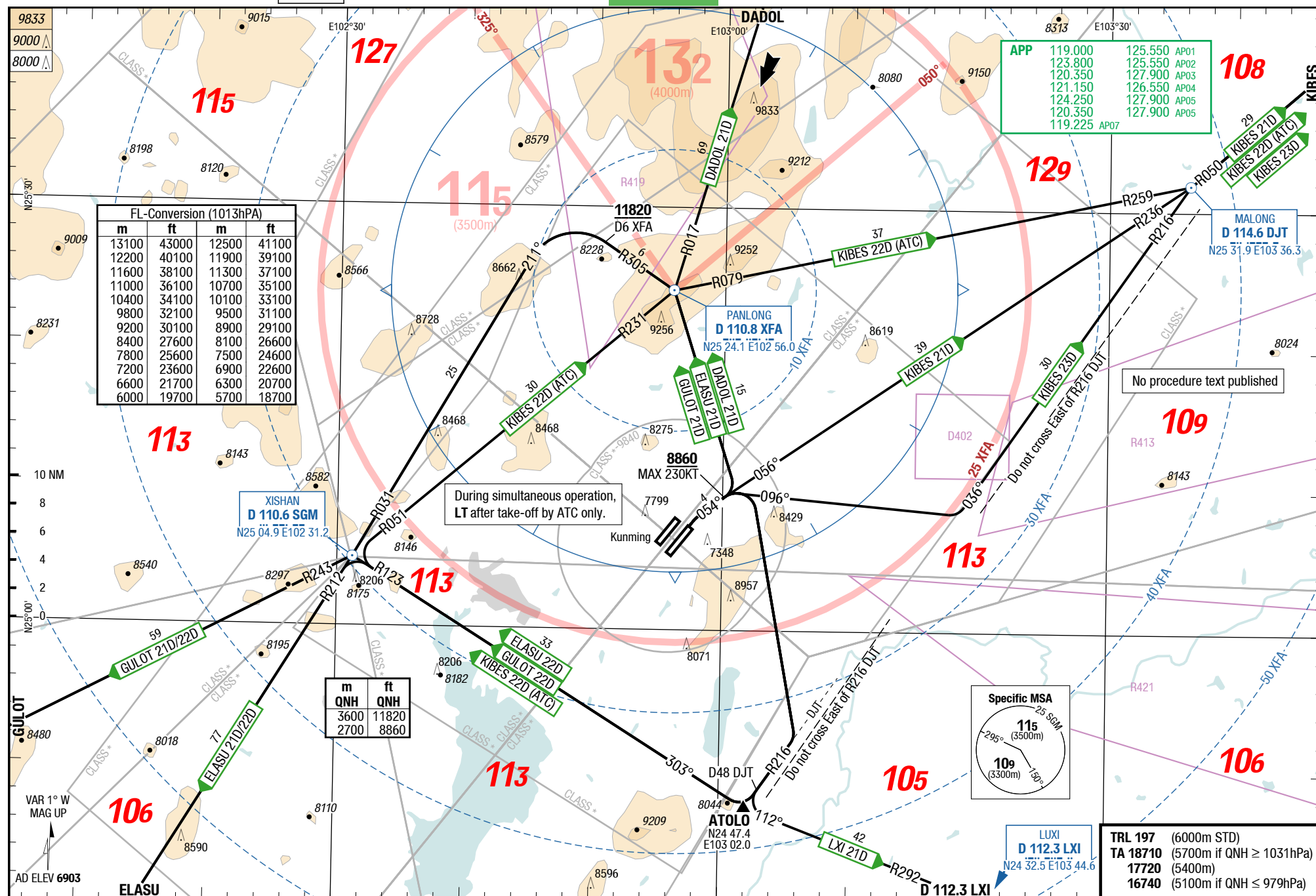
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SIDs RWY 04

4-60

SIDs RWY 04

SIDs RWY 04



Changes: Reprint

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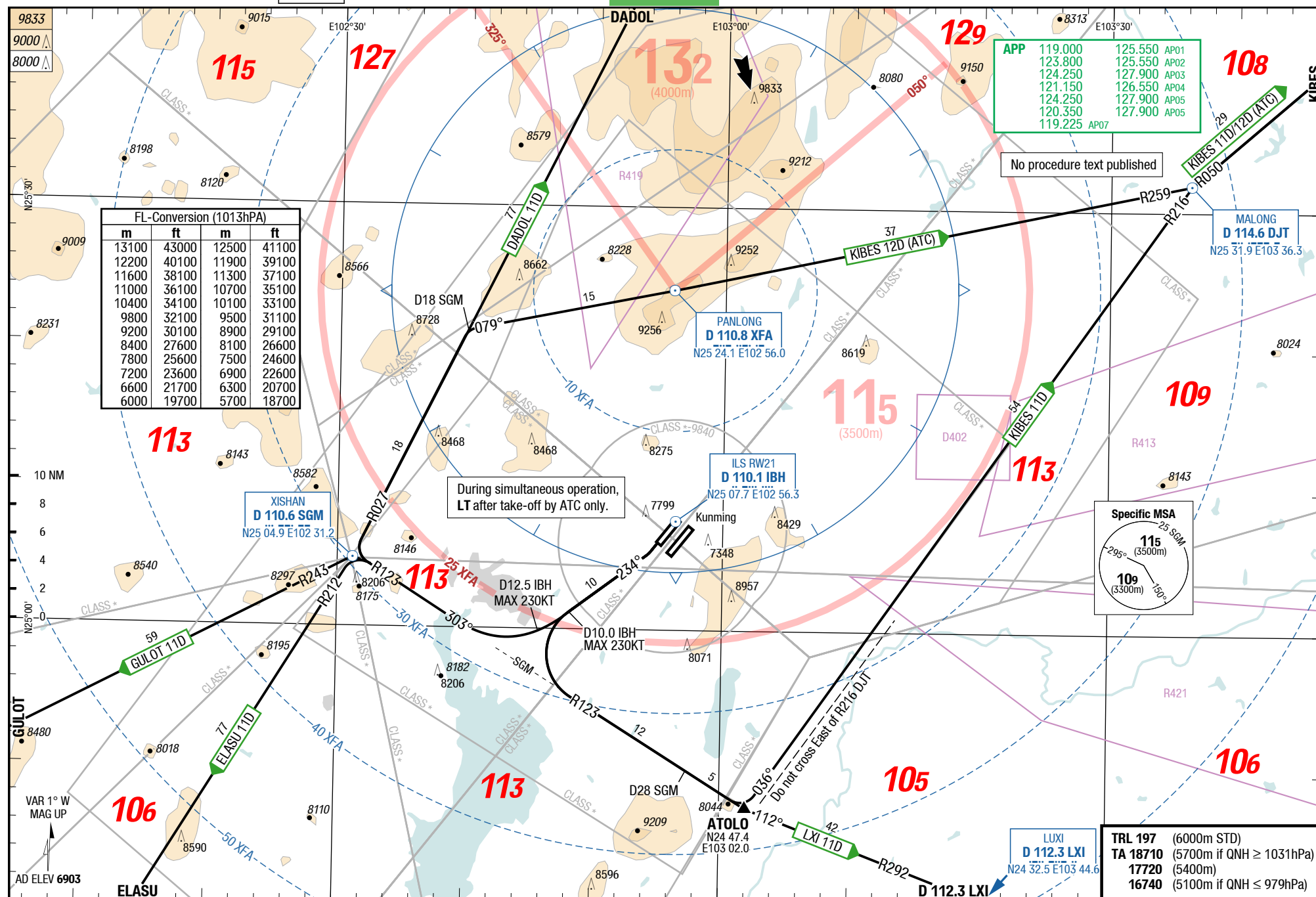
SIDs RWY 21

SID

SID

SIDs RWY 22

SIDs RWY 21



Changes: Reprint

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Effective 19-JUL-2018

12-JUL-2018

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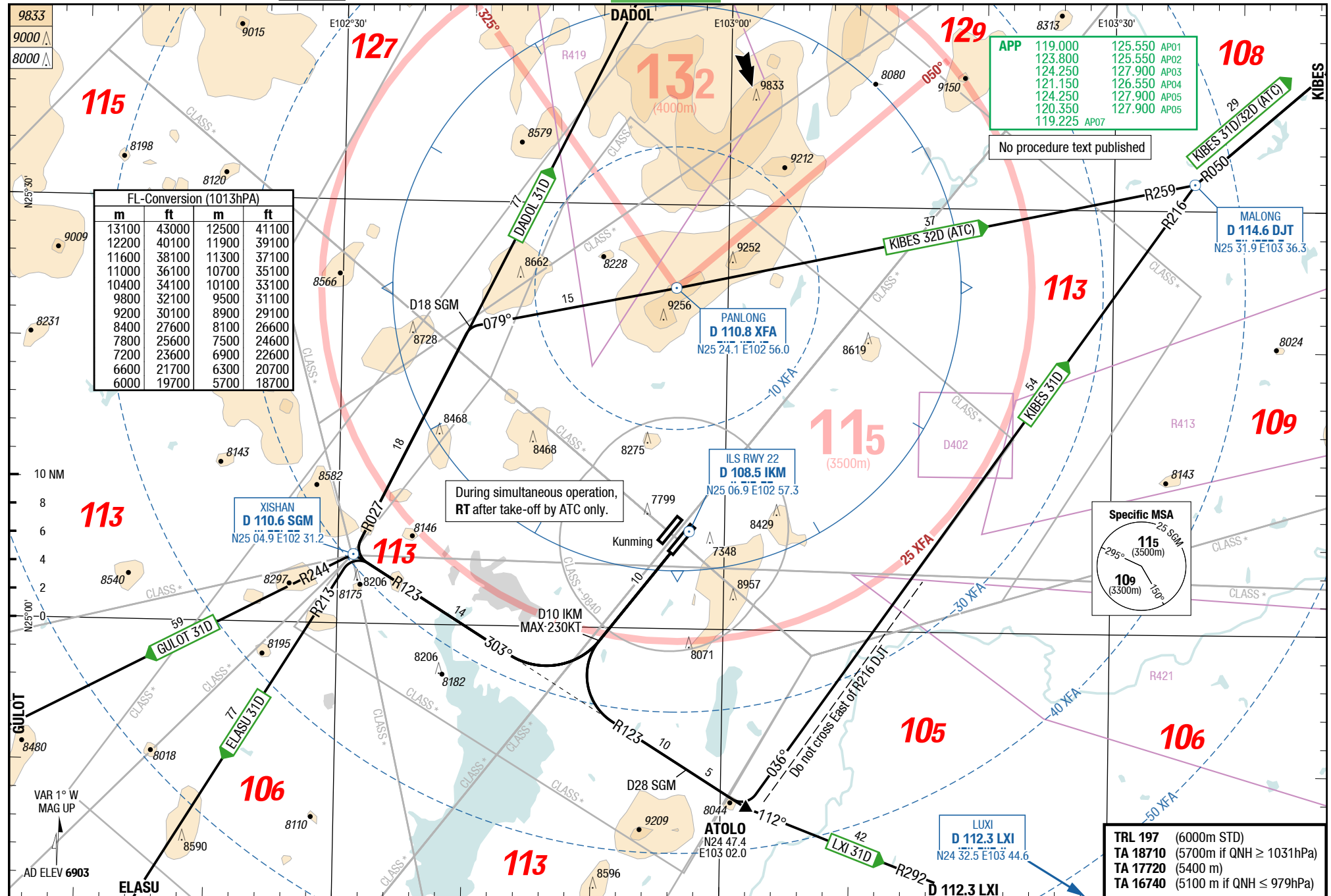
4-80

SIDs RWY 22

SID

SID

SIDs RWY 22



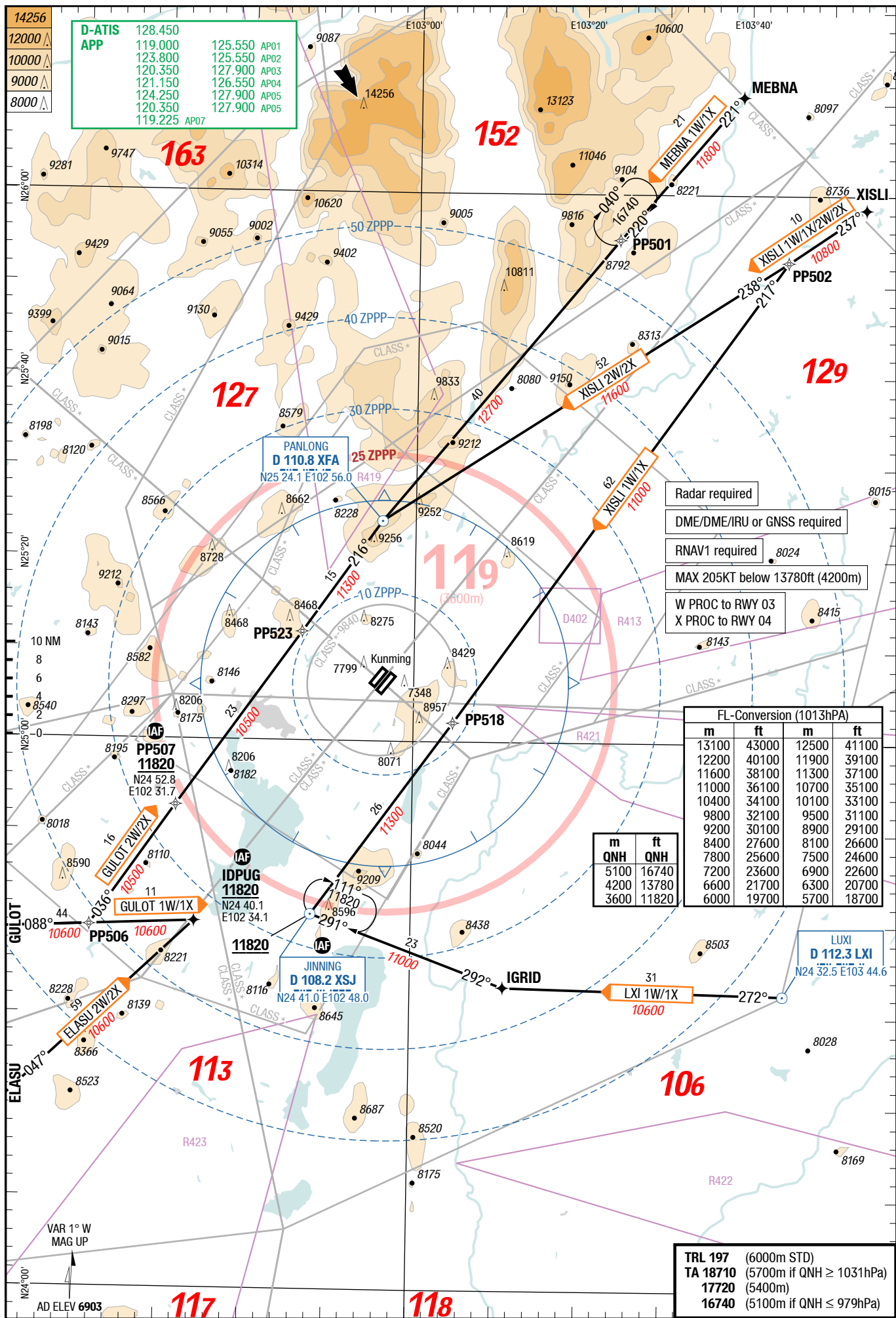
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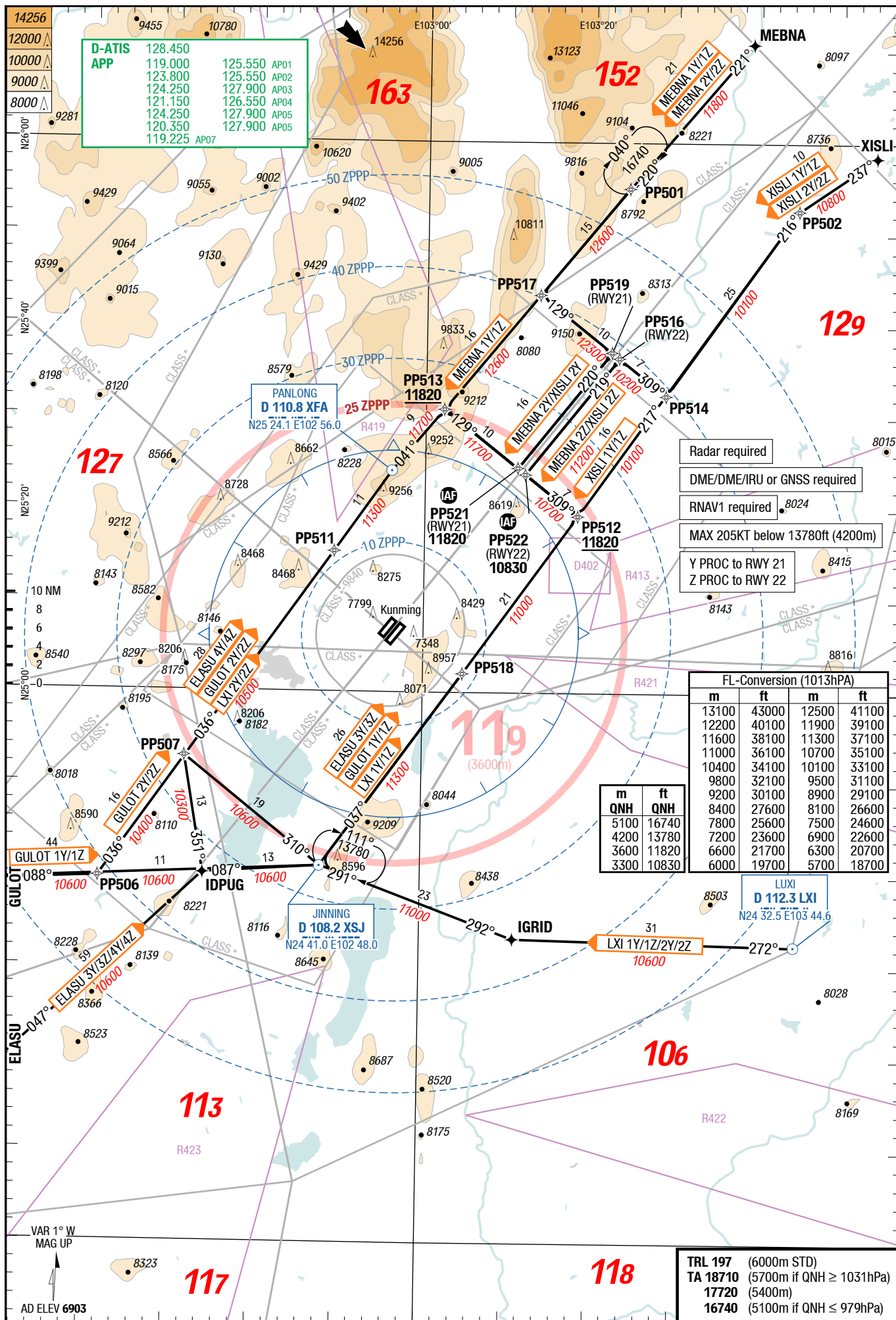
DAD 1Y / DAD 1Z

RWYs 21 (219°) / 22 (219°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 21	
DAD 1Y ①②③④	H234° [A8540+ ;R] - DCT DADOL	
	Runway 22	
DAD 1Z ①②③④	H219° [A8540+ ;R] - DCT DADOL	

- ① CCO terminated once ATC gives heading instructions
 ② CCO operation time 1730 - 2330 UTC
 ③ Turn prohibited before DER
 ④ ATC approval required





KMG-ZPPP

NIL

STAR

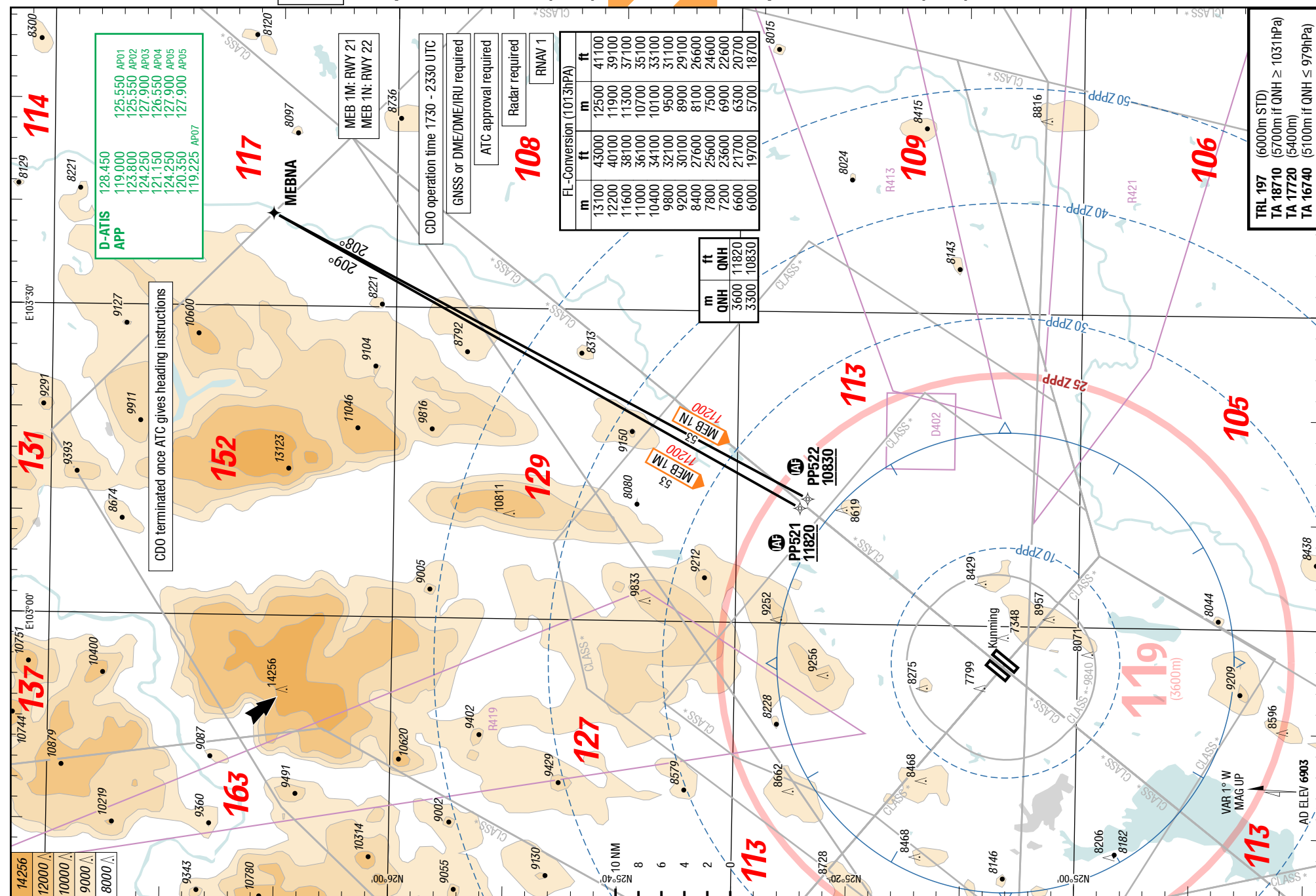
STAR

NIL

Tempo RNAV STARs (CDO)

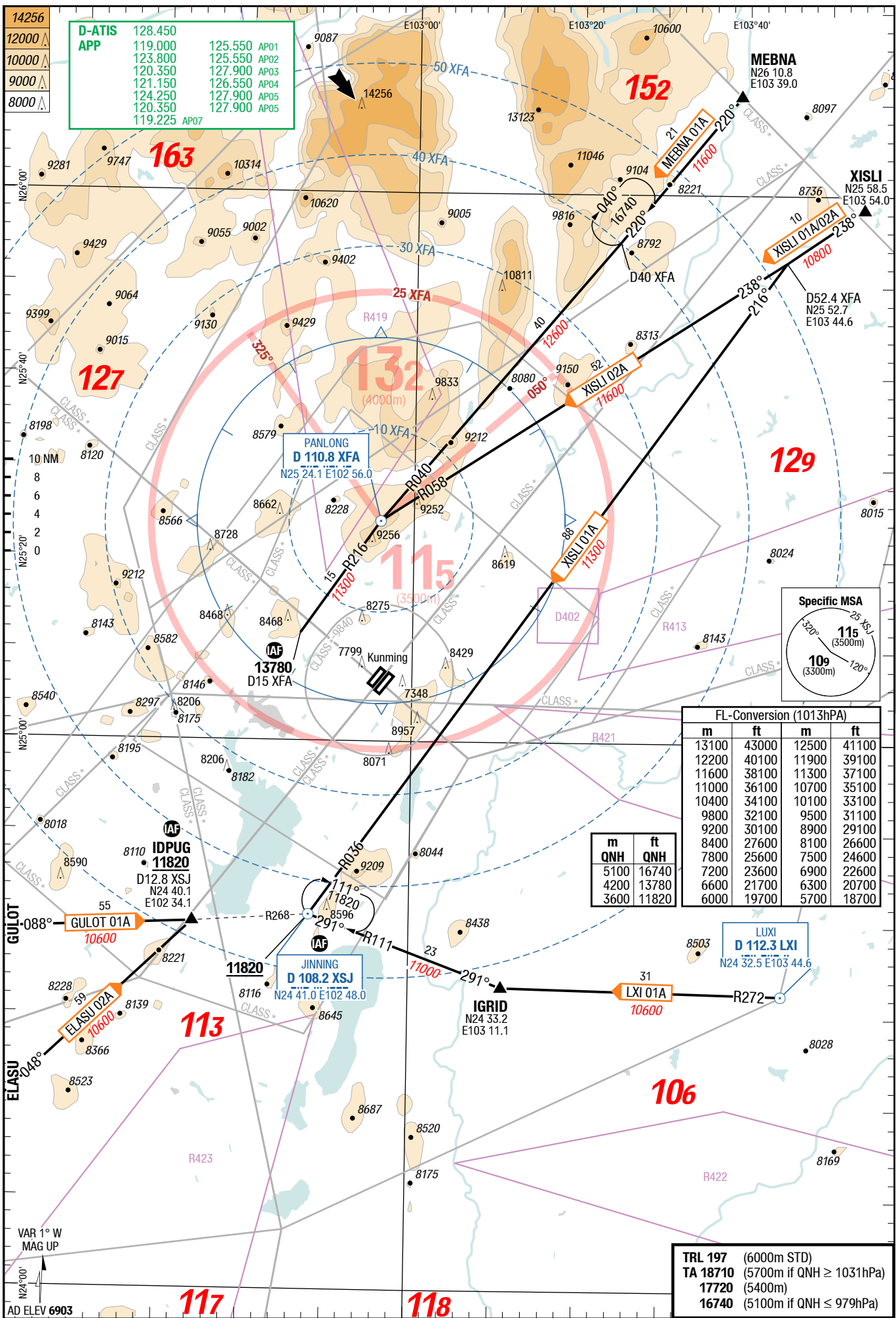
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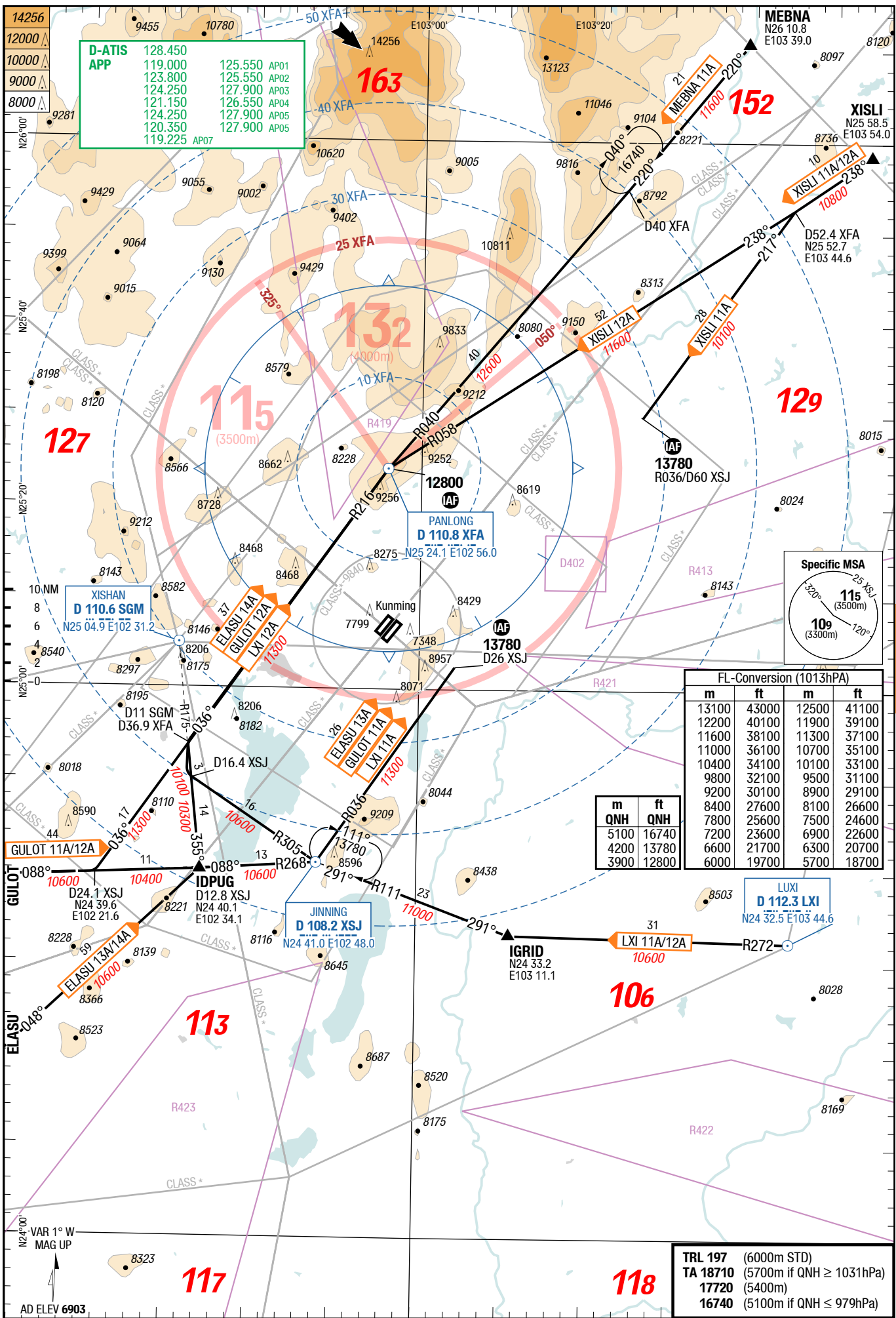
Tempo RNAV STARs (CDO)



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Changes: new





Effective 16-AUG-2018

09-AUG-2018

KMG-ZPPP

7-10

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ILS DME Y 03

ILS DME Z 03 RNAV

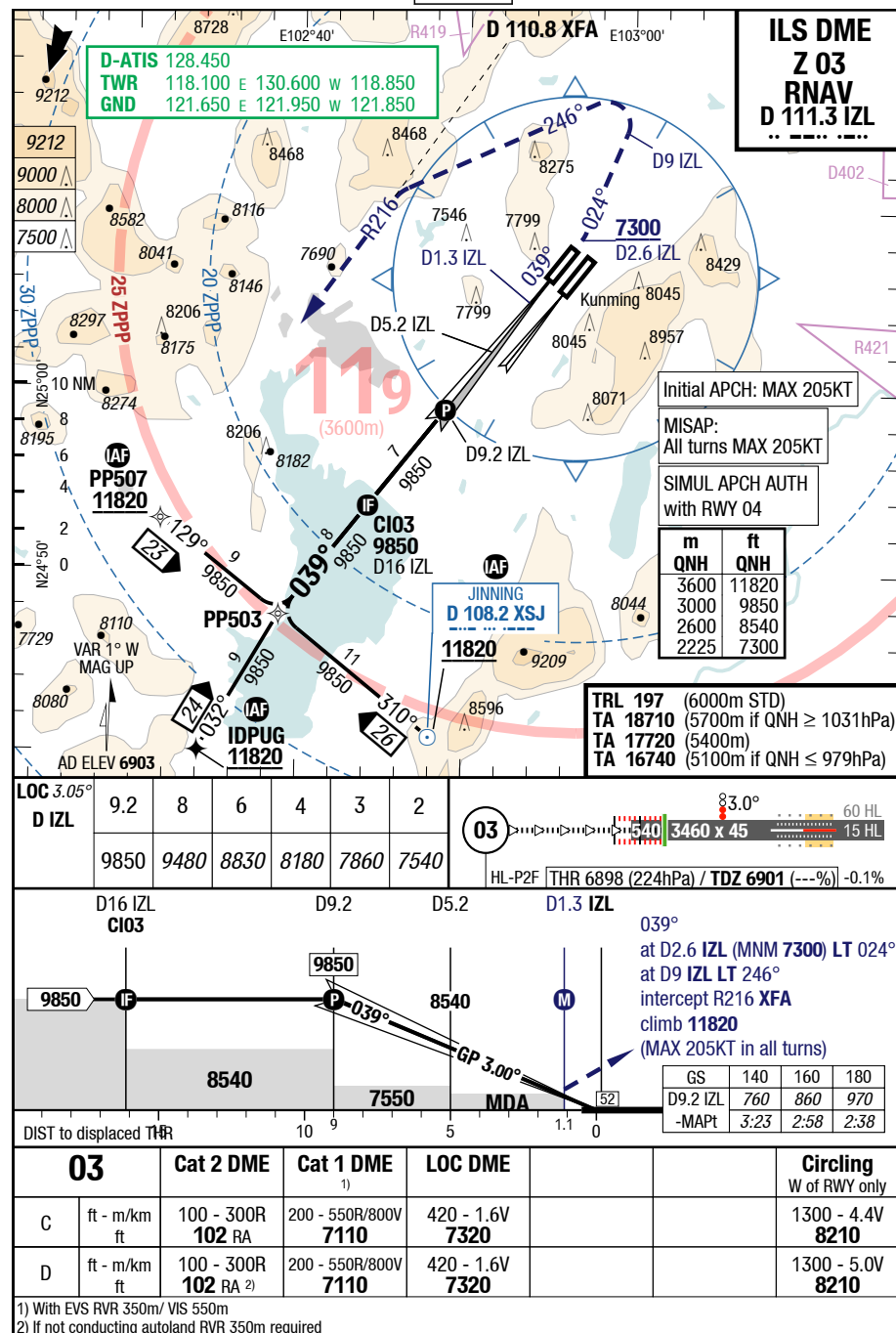
IAC

IAC

Changshui Kunming China

ILS DME Y 03

ILS DME Z 03 RNAV



Changes: FAP

KMG-ZPPP

IAC

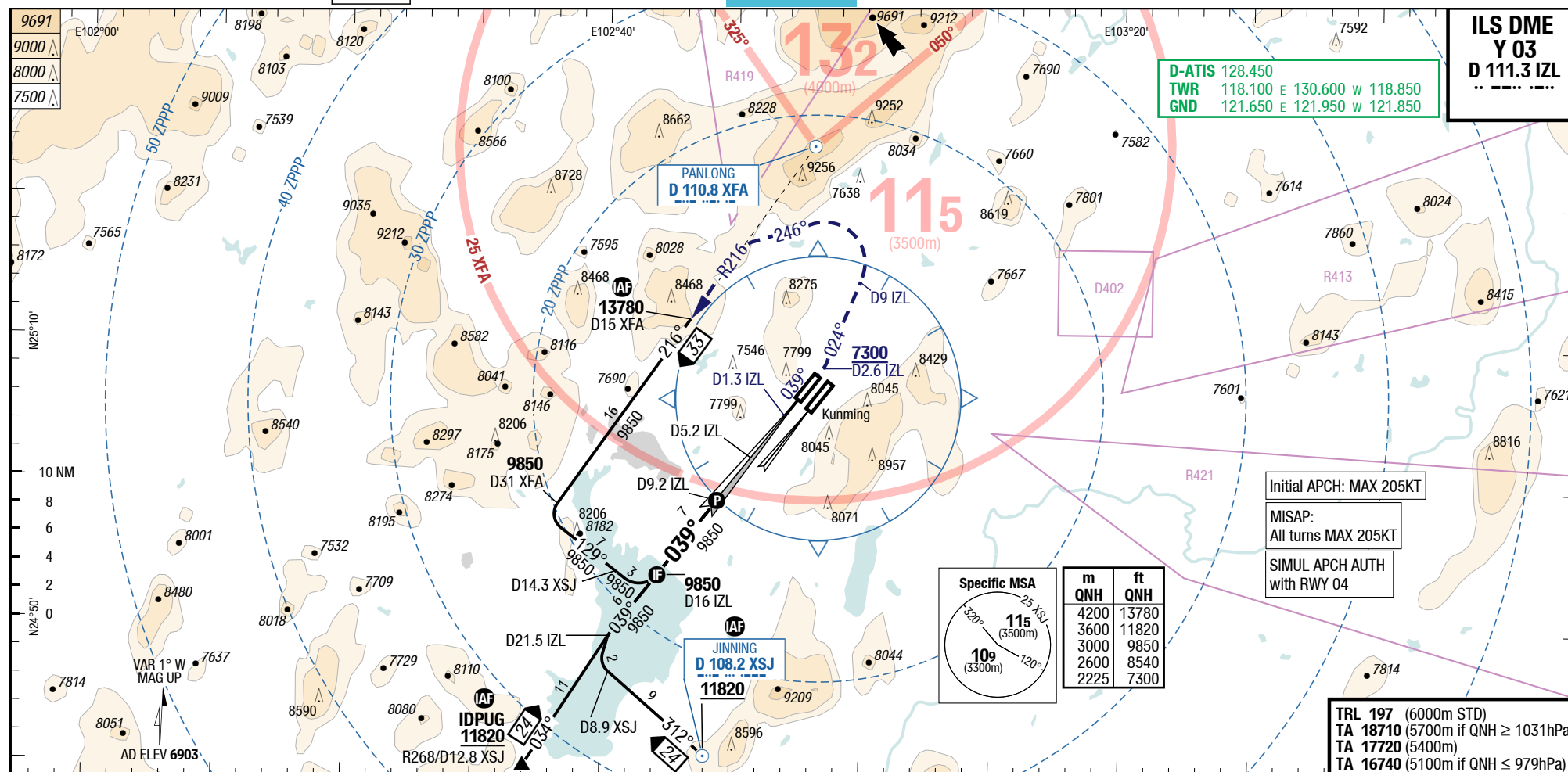
IAC

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ILS DME Y 03

7-20

ILS DME Y 03



03		Cat 2 DME	Cat 1 DME 1)	LOC DME			Circling W of RWY only
C	ft - m/km ft	100 - 300R 102 RA	200 - 550R/800V 7110	420 - 1.6V 7320			1300 - 4.4V 8210
D	ft - m/km ft	100 - 300R 102 RA 2)	200 - 550R/800V 7110	420 - 1.6V 7320			1300 - 5.0V 8210

- 1) With EVS RVR 350m/ VIS 550m
- 2) If not conducting autoland RVR 350m required

LOC 3.05° D IZL

9.2	8	6	4	3	2
9850	9480	8830	8180	7860	7540

HL-P2F THR 6898 (224hPa) / **TDZ 6901** (---%) -0.1%

D16 IZL **D9.2** **D5.2** **D1.3 IZL**

039°
at D2.6 IZL (MNM 7300) LT 024°
at D9 IZL LT 246°
intercept R216 XFA
climb **11820**
(MAX 205KT in all turns)

9850 8540 7550 MDA 52

GP 3.00°

DIST to displaced THR

GS	140	160	180
D9.2 IZL	760	860	970
-MAPT	3:23	2:58	2:38

Changes: FAP

28-DEC-2017

KMG-ZPPP

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ILS DME Y 04

7-30

ILS DME Z 04 RNAV

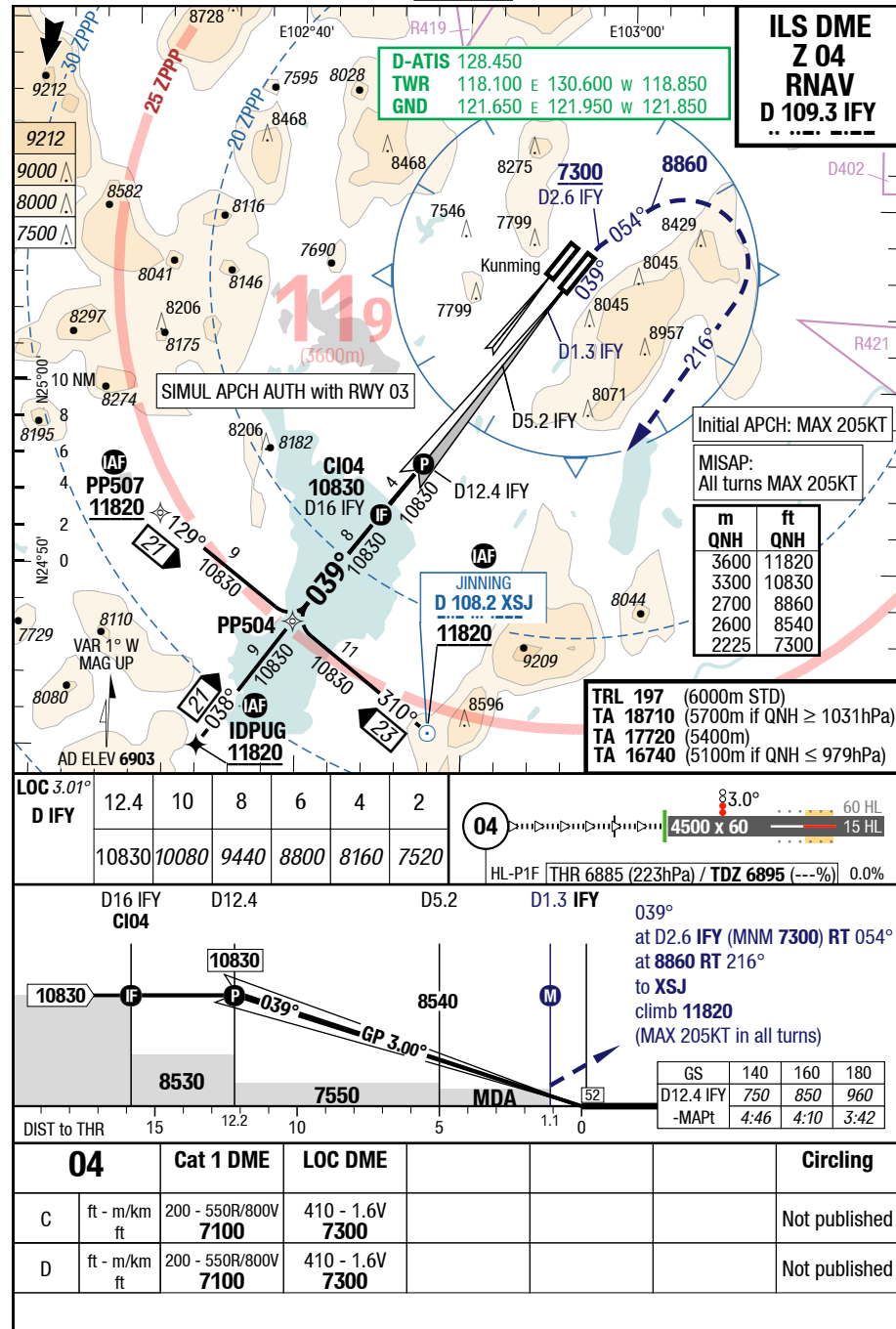
IAC

IAC

Changshui Kunming China

ILS DME Y 04

ILS DME Z 04 RNAV



Changes: OBST

28-DEC-2017
KMG-ZPPP

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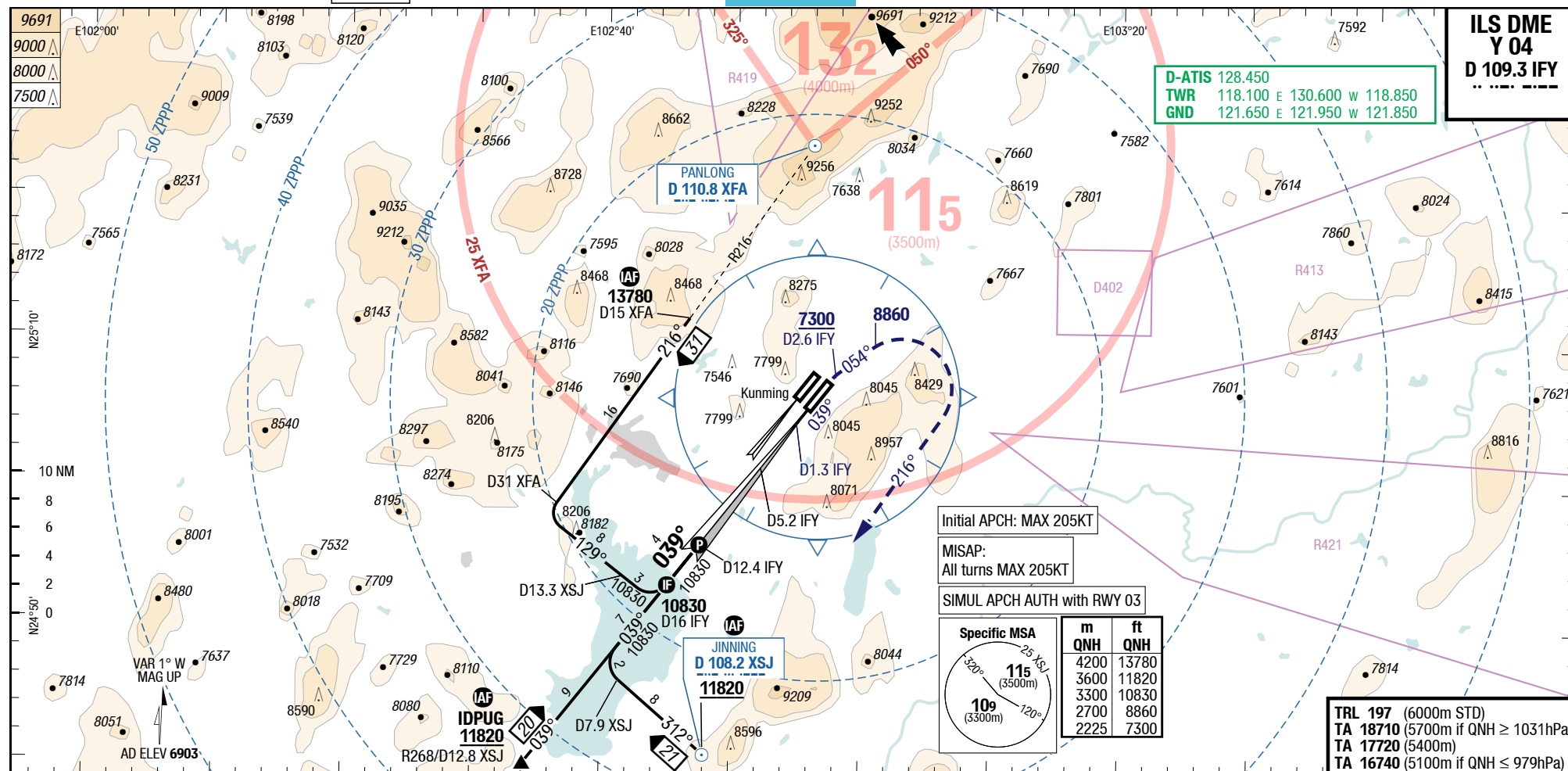
7-40

ILS DME Y 04

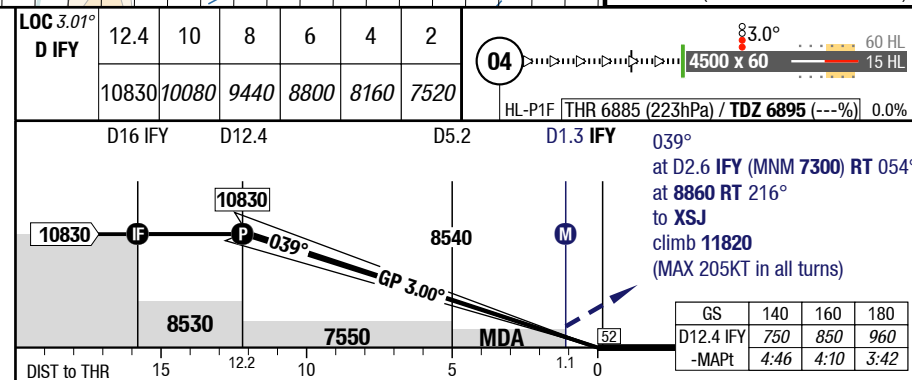
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IAC

ILS DME Y 04



04		Cat 1 DME	LOC DME	Circling	
C	ft - m/km ft	200 - 550R/800V 7100	410 - 1.6V 7300	Not published	
D	ft - m/km ft	200 - 550R/800V 7100	410 - 1.6V 7300	Not published	



Changes: OBST

28-DEC-2017

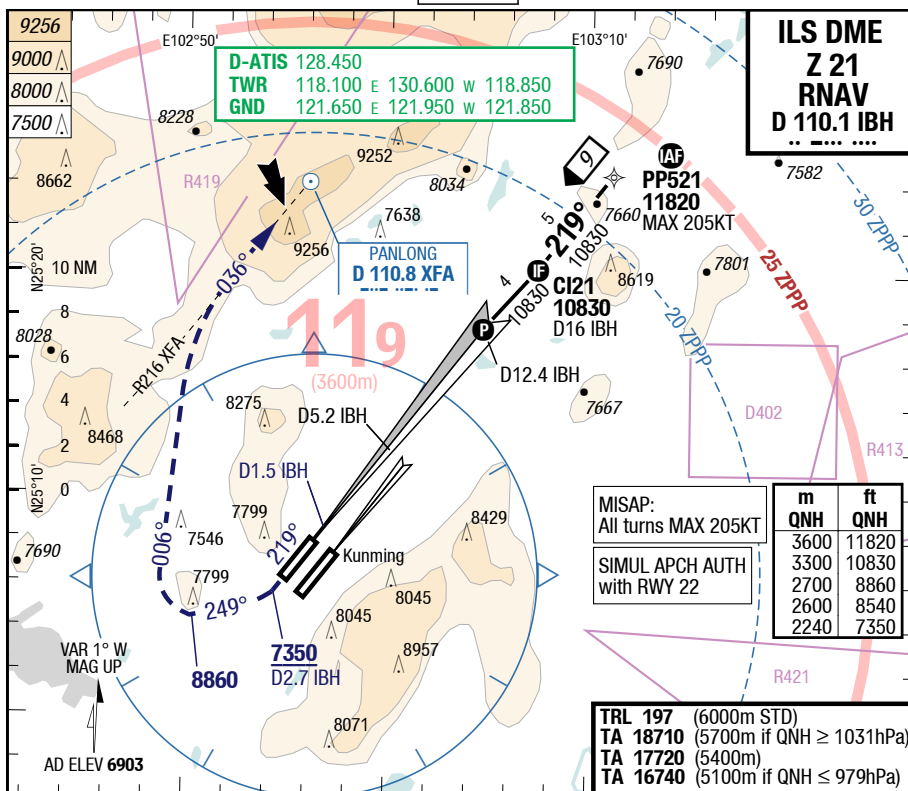
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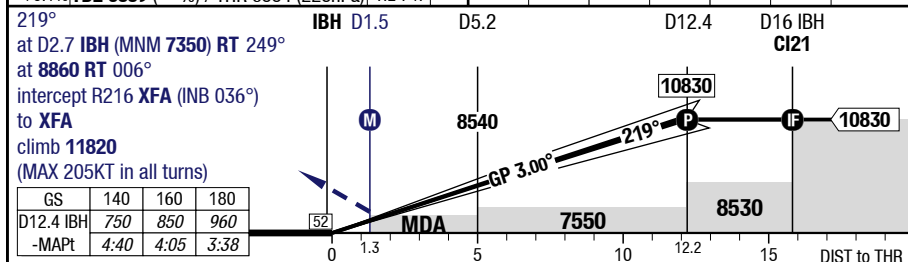
KMG-ZPPP

7-50

ILS DME Z 21 RNAV



60 HL	45 x 4000	21	2	4	6	8	10	12.4	LOC 3.01°
15 HL			7520	8160	8800	9440	10080	10830	D IBH
+0.1% TDZ 6889 (---%) / THR 6884 (223hPa) HL-P1F									



21	Cat 1 DME GA 3.0% 1)	LOC DME GA 3.0% 1)	Circling 2)
C	ft - m/km ft 200 - 550R/800V 7090	450 - 1.8V 7340	1300 - 4.4V 8210
D	ft - m/km ft 200 - 550R/800V 7090	450 - 1.8V 7340	1300 - 5.0V 8210

1) Up to 7350ft
 2) W of RWY only

Changes: OBST

28-DEC-2017

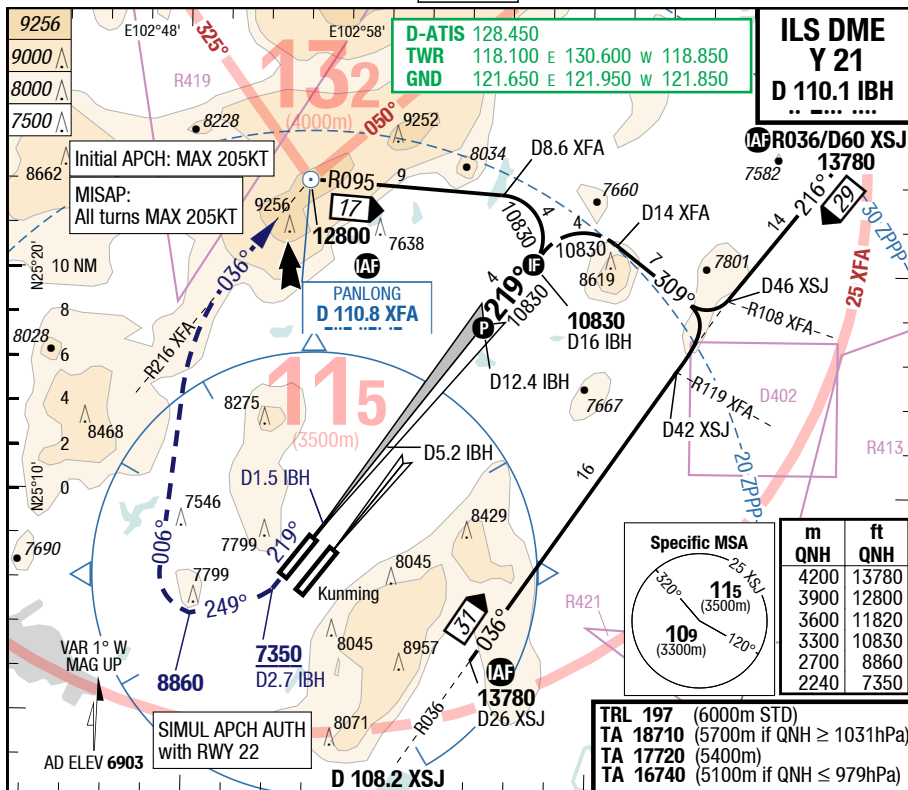
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KMG-ZPPP

7-60

ILS DME Y 21



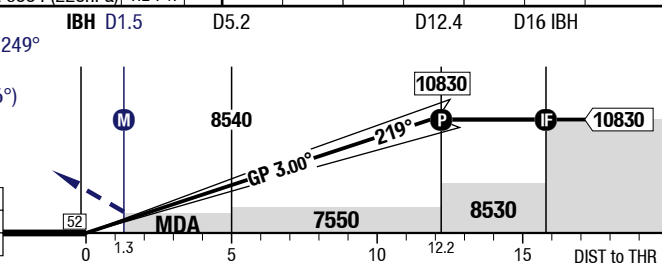
60 HL	45 x 4000	2	4	6	8	10	12.4	LOC 3.01° D IBH
15 HL	3.0°	7520	8160	8800	9440	10080	10830	
+0.1% TDZ 6889 (---%) / THR 6884 (223hPa) HL-P1F								

219°
 at D2.7 IBH (MNM 7350) RT 249°
 at 8860 RT 006°

intercept R216 XFA (INB 036°)
 to XFA

climb 11820
 (MAX 205KT in all turns)

GS	140	160	180
D12.4 IBH	740	850	960
-MAPt	4:40	4:05	3:38



21	Cat 1 DME GA 3.0% 1)	LOC DME GA 3.0% 1)	Circling 2)
C	ft - m/km ft 200 - 550R/800V 7090	450 - 1.8V 7340	1300 - 4.4V 8210
D	ft - m/km ft 200 - 550R/800V 7090	450 - 1.8V 7340	1300 - 5.0V 8210

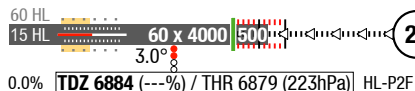
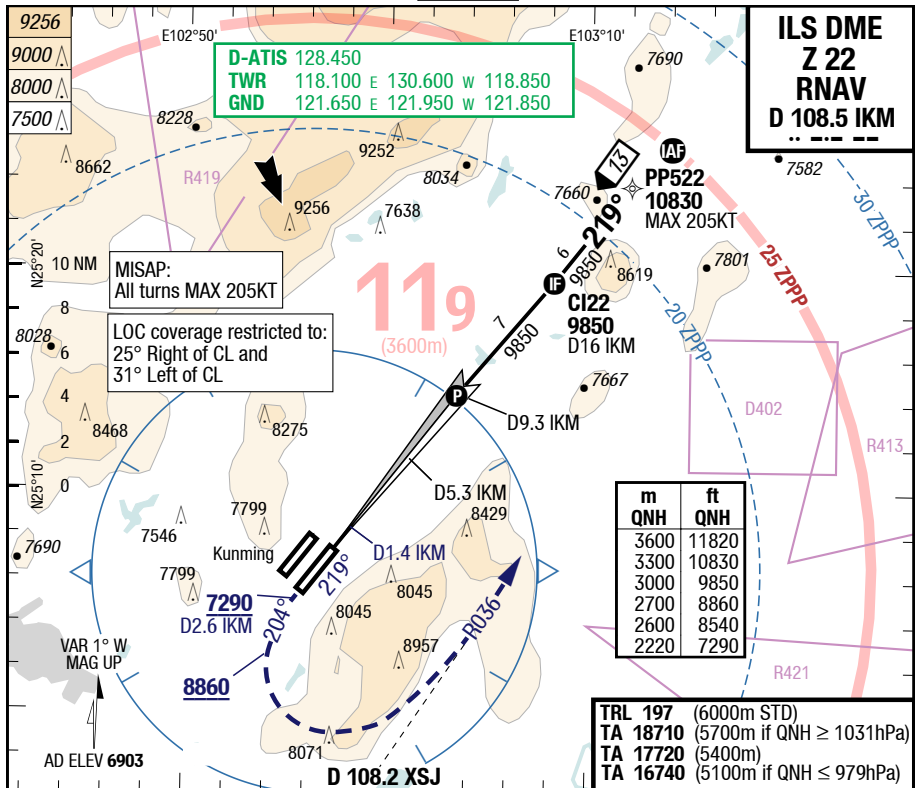
1) Up to 7350ft
 2) W of RWY only

Changes: OBST

KMG-ZPPP

7-70

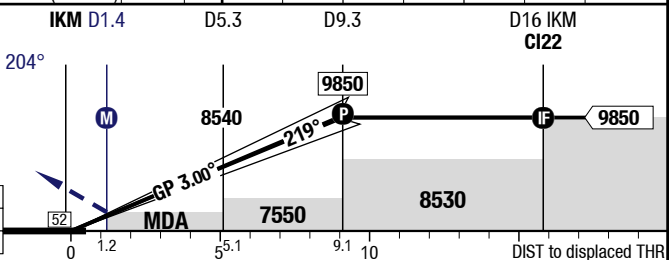
ILS DME Z 22 RNAV



2	3	4	6	8	9.3	LOC 3.02° D IKM
7520	7840	8160	8800	9450	9850	

219°
 at D2.6 IKM (MNM 7290) LT 204°
 at MNM 8860 LT
 intercept R036 XSJ
 climb 11820
 (MAX 205KT in all turns)

GS	140	160	180
D9.3 IKM	750	850	960
-MAPt	3:23	2:58	2:38



22	Cat 2 DME	Cat 1 DME 1)	LOC DME		Circling
C	ft - m/km ft	100 - 300R 102 RA	200 - 550R/800V 7090	440 - 1.7V 7320	Not published
D	ft - m/km ft	100 - 300R 102 RA 2)	200 - 550R/800V 7090	440 - 1.7V 7320	Not published

1) With EVS RVR 350m/ VIS 550m

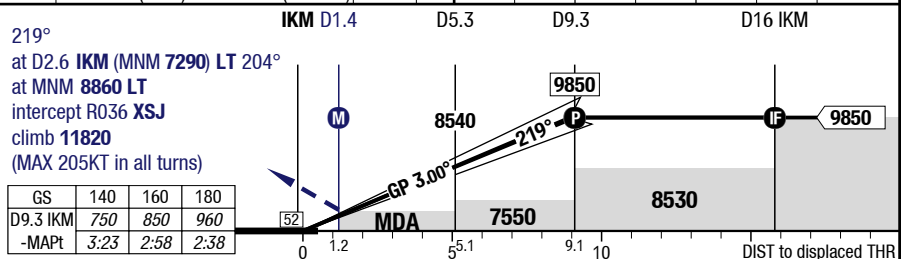
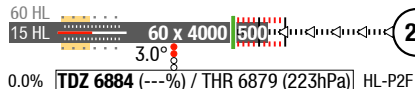
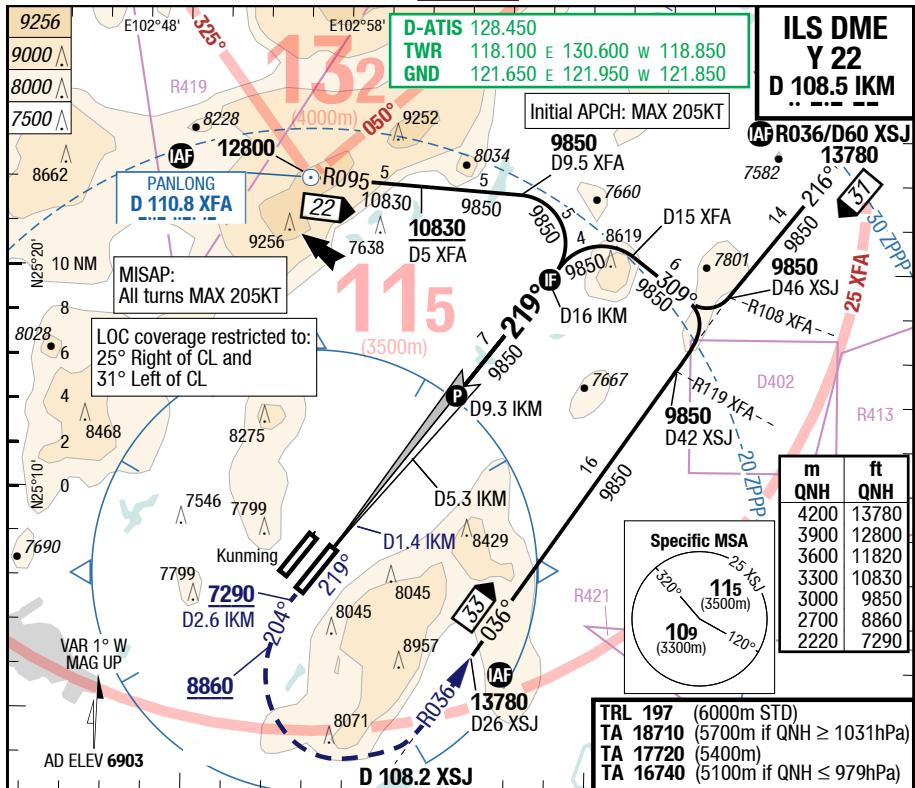
2) If not conducting autoland RVR 350m required

Changes: ALT, Note

KMG-ZPPP

7-80

ILS DME Y 22



22	Cat 2 DME	Cat 1 DME 1)	LOC DME		Circling
C	ft - m/km ft	100 - 300R 102 RA	200 - 550R/800V 7090	440 - 1.7V 7320	Not published
D	ft - m/km ft	100 - 300R 102 RA 2)	200 - 550R/800V 7090	440 - 1.7V 7320	Not published

1) With EVS RVR 350m/ VIS 550m

2) If not conducting autoland RVR 350m required

Changes: ALT, Note

