

GENERAL**Operational Hours**

ATS Hours / AD OPS Hours / AD ADMIN Hours: H24

Airport Information

RFF: CAT 8

Fuel: Nr. 3 Jet Fuel

PCN: RWY 13/31: 66/R/B/W/T

Customs: HS or O/R

Operation**RWY Restrictions**

180° turns on RWY turning line prohibited for ACFT with gear span above 7.6m / 25ft and wingspan above 47.3m / 155ft.

TWY Restrictions

TWY T1, T3 MAX wingspan 65m / 213ft.

TWY C, T2 MAX wingspan 52m / 171ft.

180° turns on TWY and APN taxiway are prohibited for all ACFT.

B748, B777, A346 shall offset TWY CL while turning.

Taxi/Parking

Visual docking guidance system AVBL at stands 1-7.

Towing AVBL via GND CTL.

Engine Run-up Areas

ENG run-ups are subject to TWR CLR and may only be carried out on TWY A (east of TWY G, not including the part connected with RWY) from 2100-1600 (next day). Fast ENG run-ups near boarding bridges or on APN prohibited.

Warnings

BK NDB unusable:

273° within 11-15.5NM.

061° within 8-10NM.

111° within 8-13.5NM, 16-17.5NM, 18.5-19.5NM.

061° within 12-14NM for HLDG PROC.

325° within 2-3.5NM for DEP PROC.

AND VOR/DME unusable:

VOR/DME: R293-R305

VOR: R184 within 11.5-15.5NM.

Birds in vicinity of AD.

ARRIVAL**Communication****COM Failure**

ACFT COM Failure:

RWY 13

Fly to the IF point of the permitted IAP according to the last command ALT (climb to 1800m / 5900ft if not reached), then join HLDG procedure. Carry out APCH procedure and land.

RWY 31

Fly to NGB VOR according to the last command ALT (climb to 1800m / 5900ft if not reached), then join HLDG procedure. Carry APCH procedure and land.

Aerodrome COM Failure:

If COM cannot be established with AD control unit, contact previous control unit and follow instructions.

Arrival Procedure**VFR Traffic Pattern**

RWY 13 right-hand circuit at 300m / 984ft for CAT A/B ACFT, 600m / 1968ft for CAT C/D ACFT.

Non-standard GP intercept position on RWY 31

GP intercepts RWY 31 at 314m / 1030ft after landing threshold.

Remaining LDG DIST beyond GP is 2886m / 9469ft.

DEPARTURE**Take-off Minima**

RWY		13	
All ACFT	ft - m/km	0 - 500R/800V	-
RWY		31	
All ACFT	ft - m/km	0 - 500R/800V	MNM climb gradient 5.0%
		c2140 - 5.0V	If climb gradient is less than 5.0% and circling climb NA

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

Readback of all taxi instructions required. Follow instructions strictly.

Confirm RWY in use and taxiing direction before push-back.

Push-back under own PWR without ATC CLR prohibited.

De-Icing

AVBL.

Effective 21-JUN-2018

14-JUN-2018

NGB-ZSNB

2-10

China Ningbo Lishe

AGC

AFC

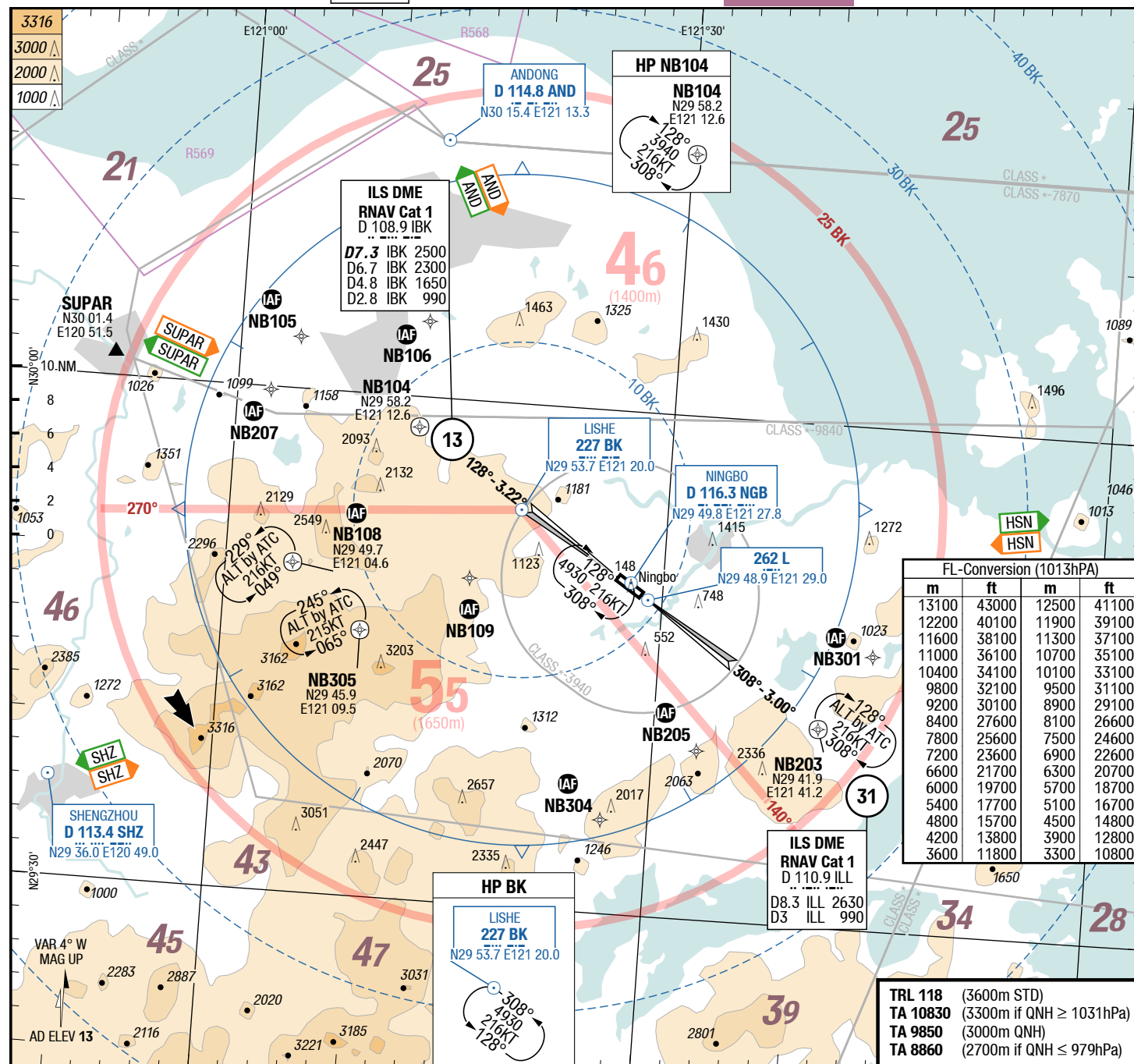
AFC

AFC

Lishe Ningbo China

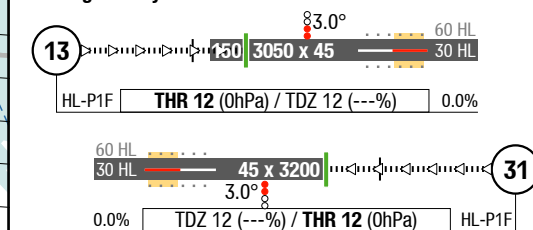
AGC

AFC



ATIS 126.450 HO
APP 125.450 119.550
TWR 118.350 118.700
130.000
GND 121.950 2230-1300

Landing RWY system:



Changes: Completely revised

Effective 21-JUN-2018

14-JUN-2018

NGB-ZSNB

China Ningbo Lishe

AGC

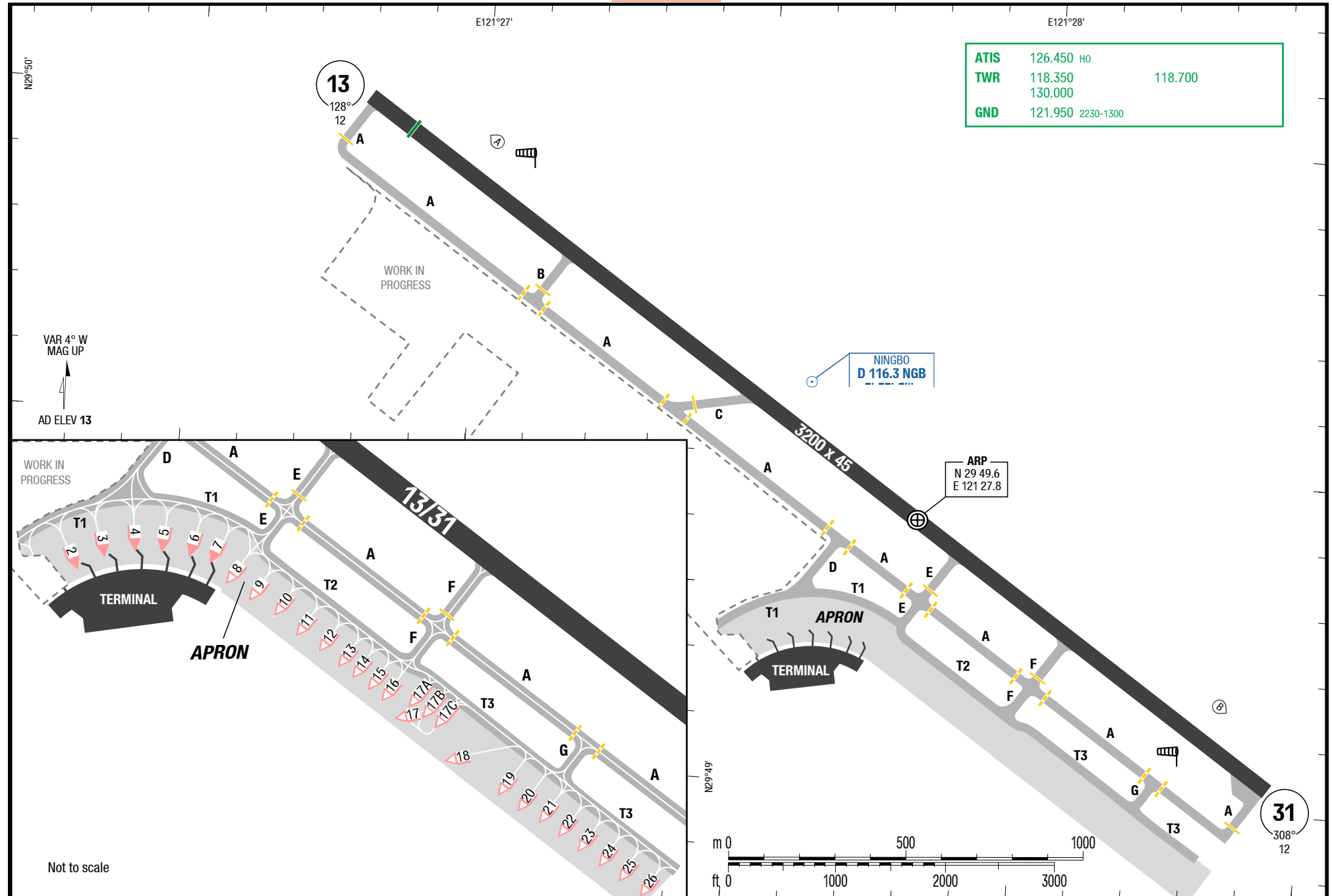
AGC

AGC

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AGC

3-20



Changes: Nil

28-JAN-2016
NGB-ZSNB

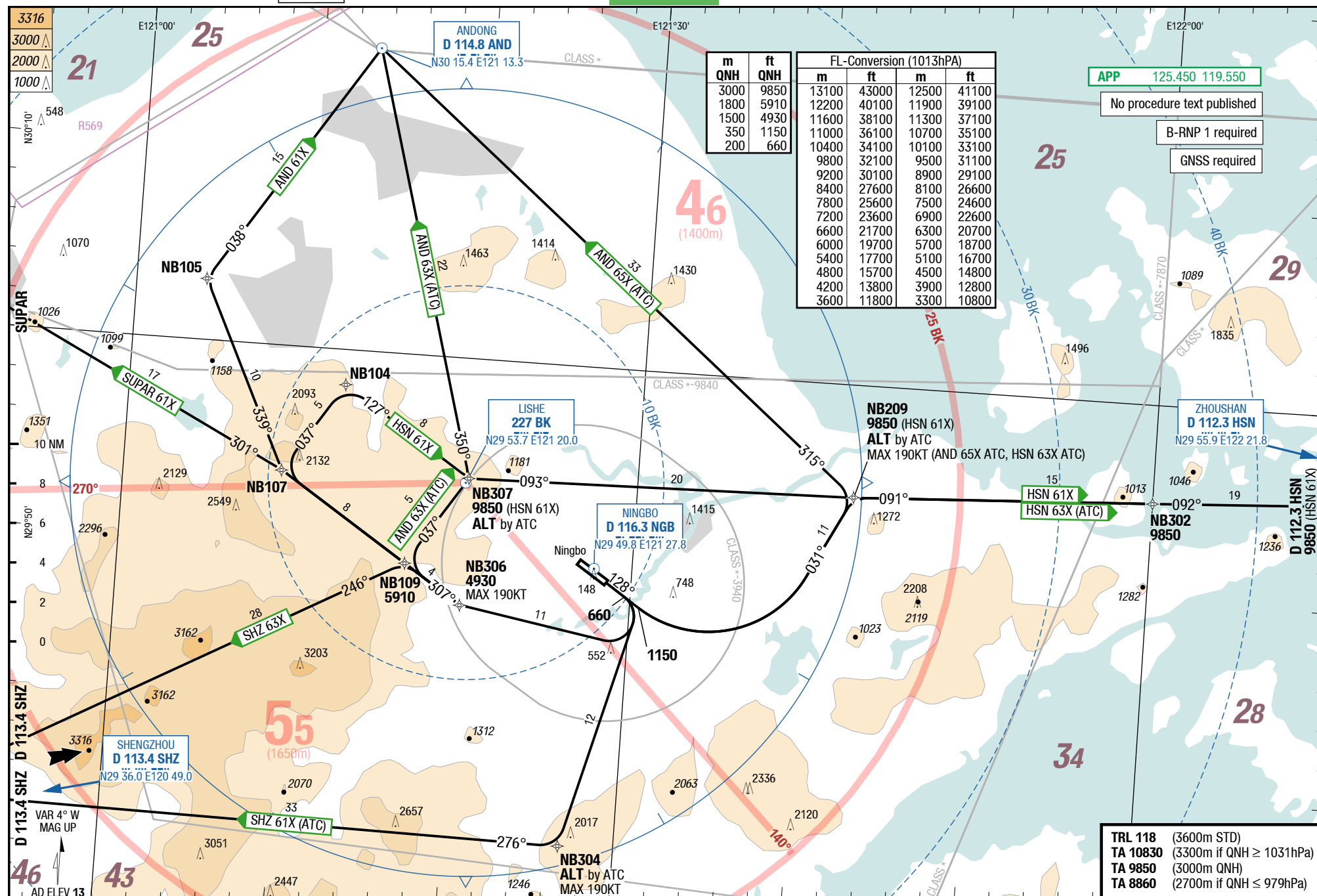
China Ningbo Lishe
RNAV SIDs RWY 31
RNAV SIDs RWY 13

SID

SID

Lishe Ningbo China
RNAV SIDs RWY 31
RNAV SIDs RWY 13

4-10



Changes: OBST

28-JAN-2016
NGB-ZSNB

China Ningbo Lishe

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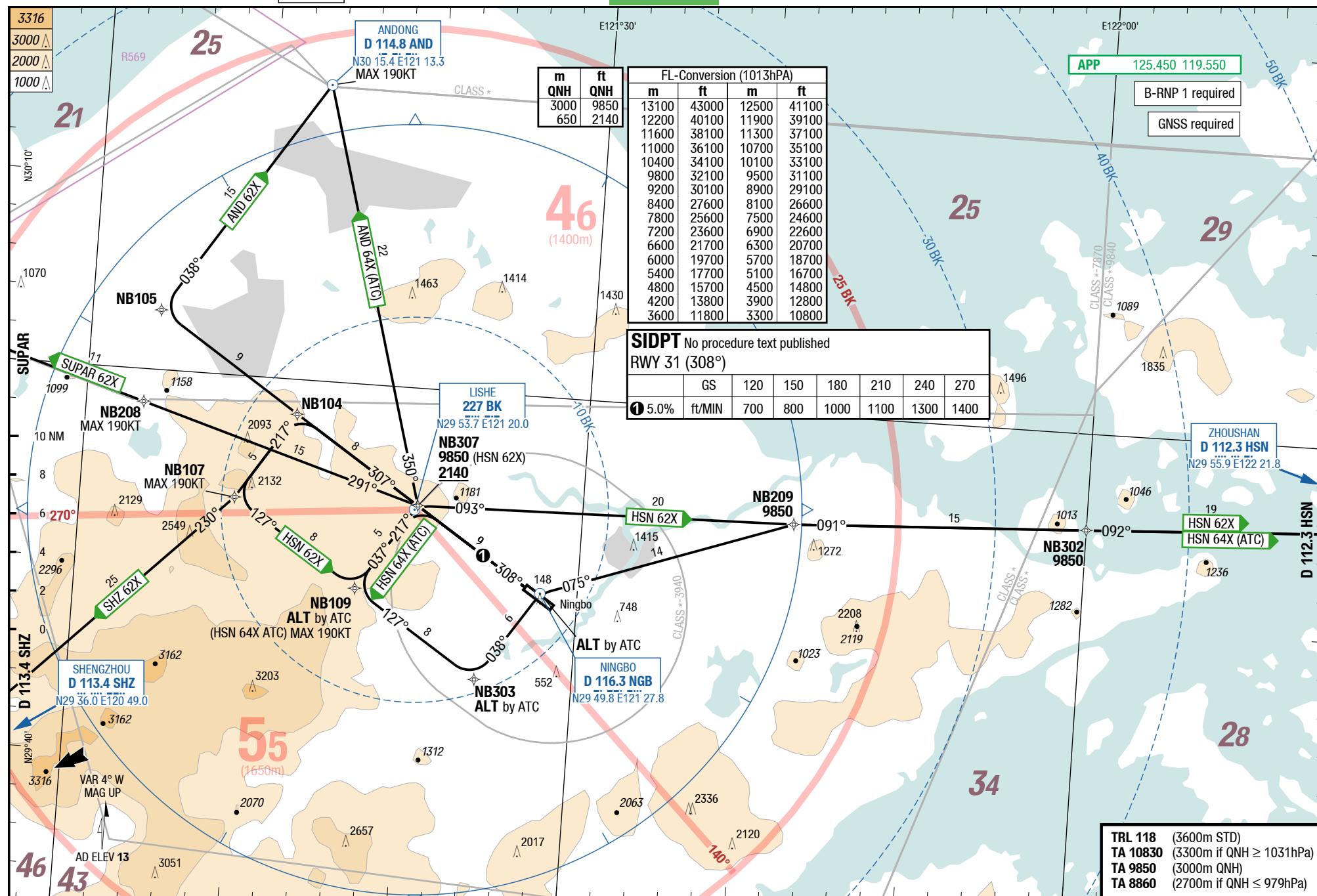
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RNAV SIDs RWY 31

SID

SID

RNAV SIDs RWY 31



Changes: OBST

NGB-ZSNB

SIDs RWY 31

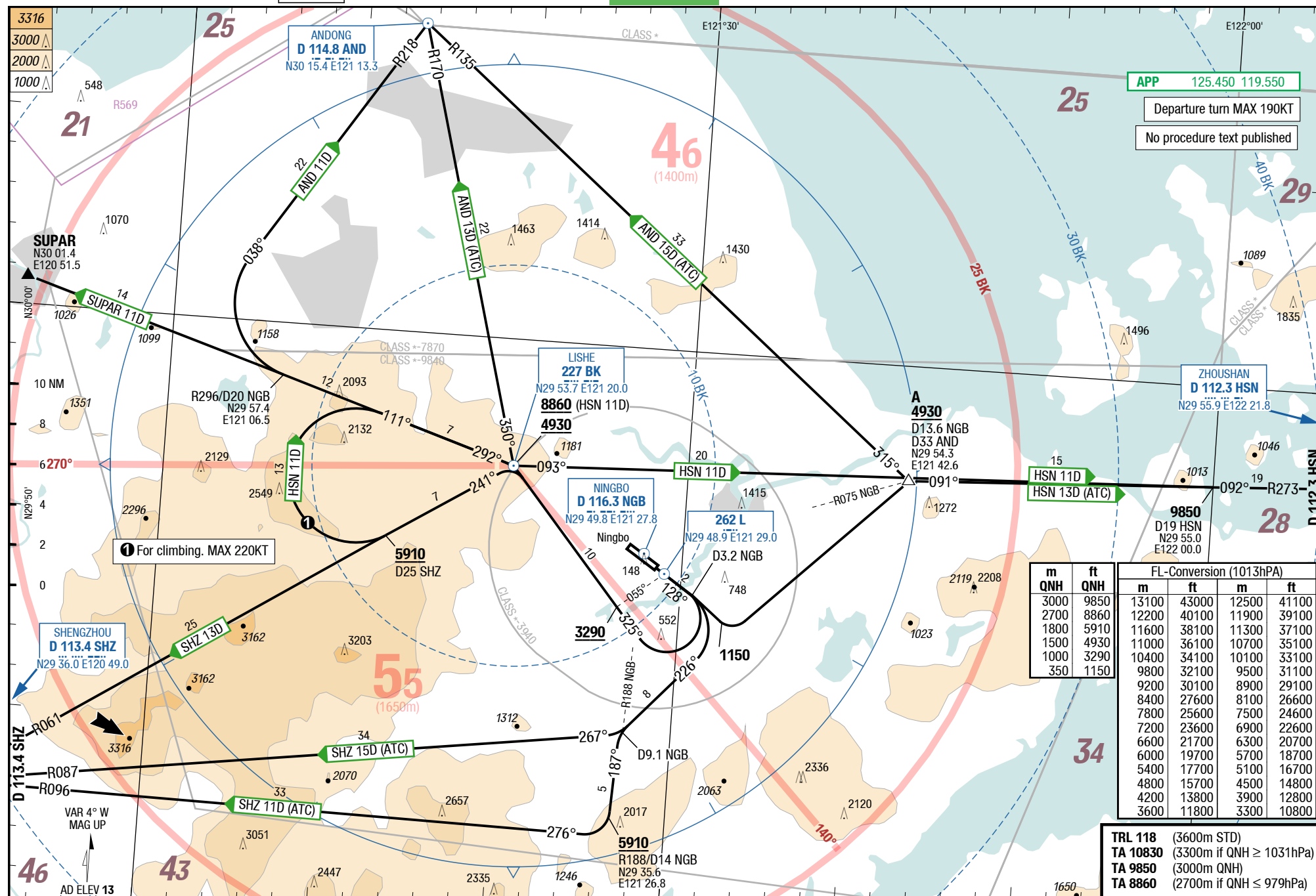
SIDs RWY 13

SID

SID

SIDs RWY 31

SIDs RWY 13



Changes: OBST

© Lido 2016

28-JAN-2016

NGB-ZSNB

China **Ningbo** Lishe

RNAV STARs RWY 31

RNAV STARs RWY 13

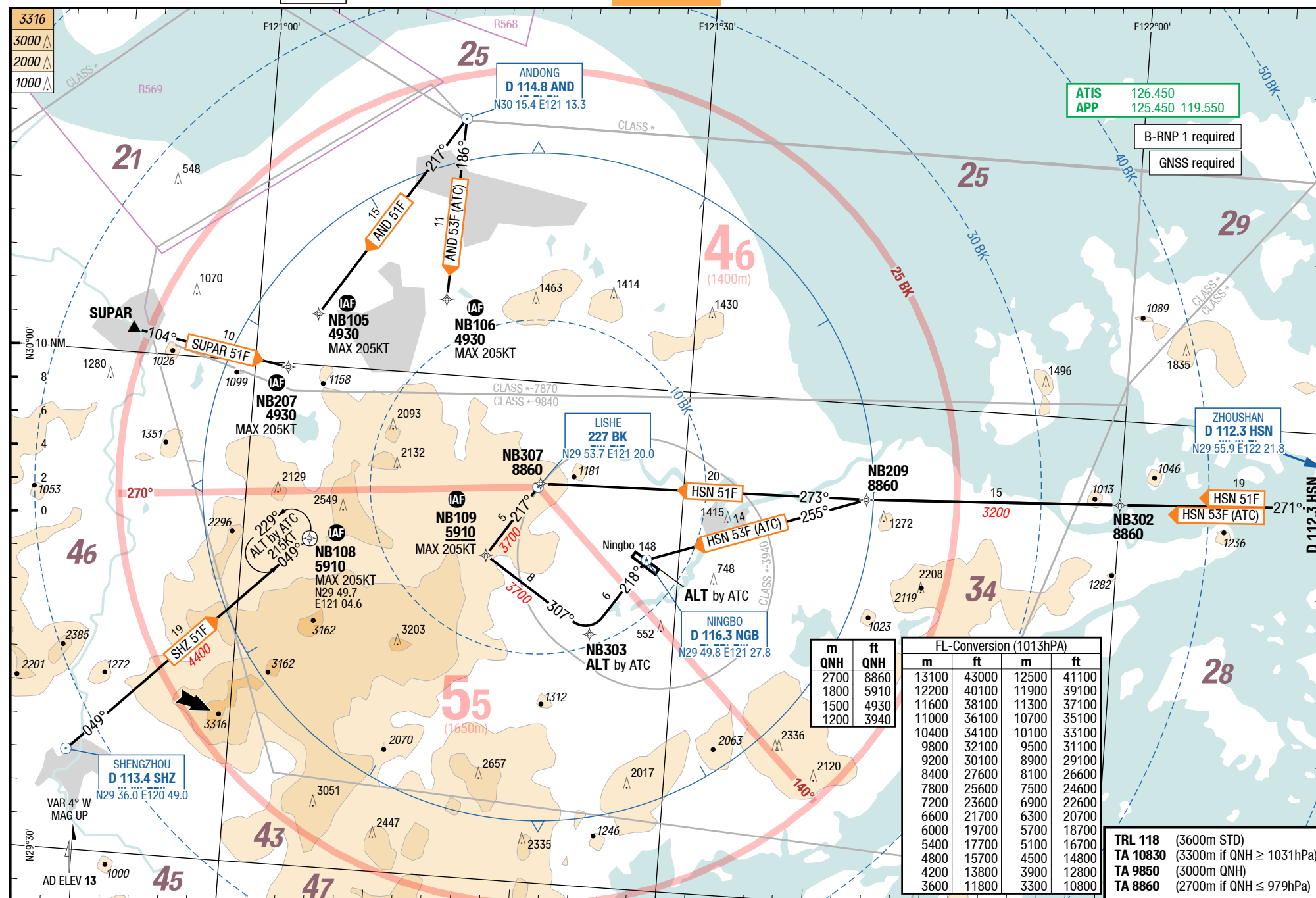
STAR

STAR

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RNAV STARs RWY 31

RNAV STARs RWY 13



Changes: OBST

Effective 04-FEB-2016

28-JAN-2016

NGB-ZSNB

China Ningbo Lishe

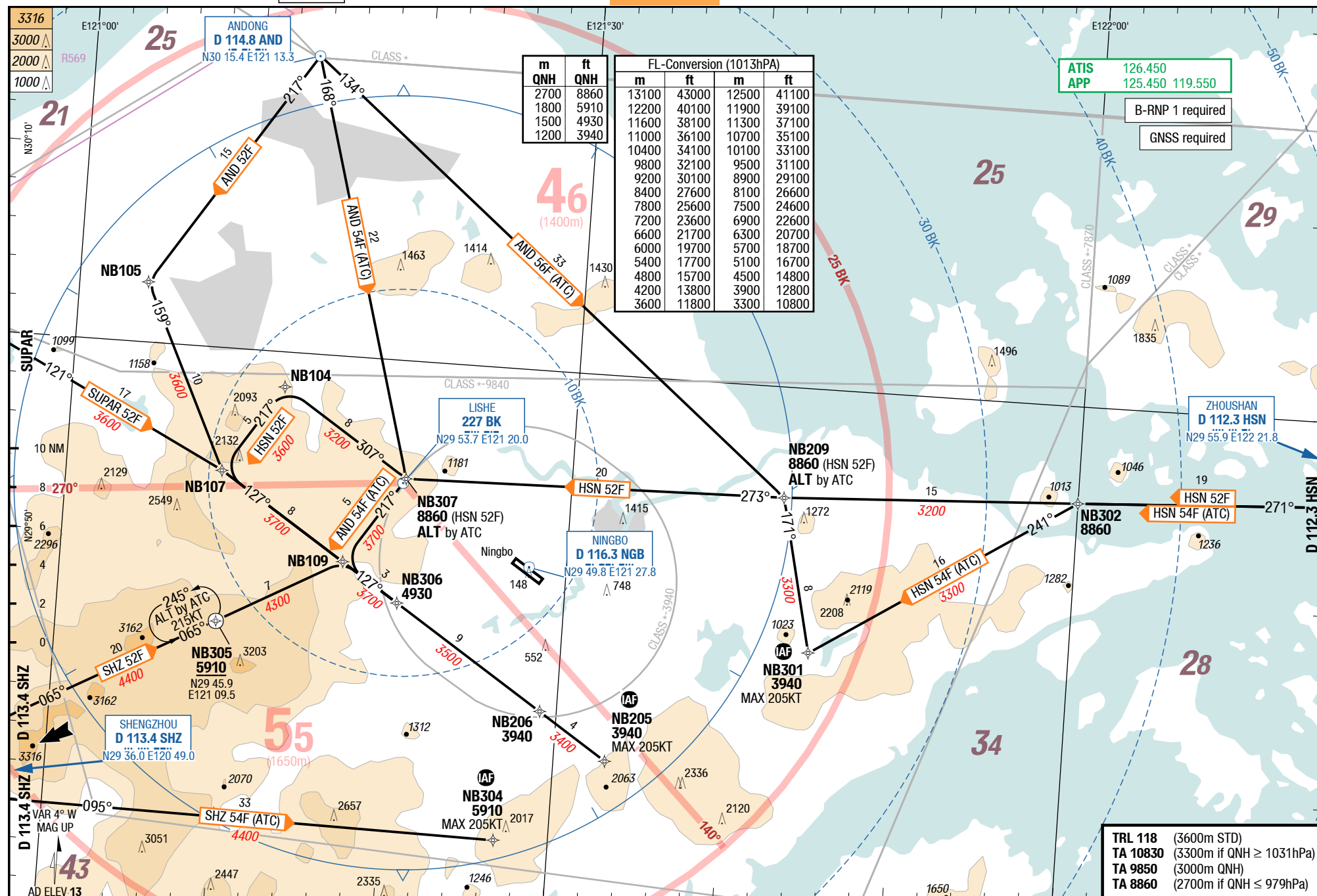
RNAV STARs RWY 31

STAR

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RNAV STARs RWY 31



Changes: MTCA, ALT, ASP, OBST, QNH Table

Effective 04-FEB-2016

28-JAN-2016

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STARs RWY 31

STARs RWY 13

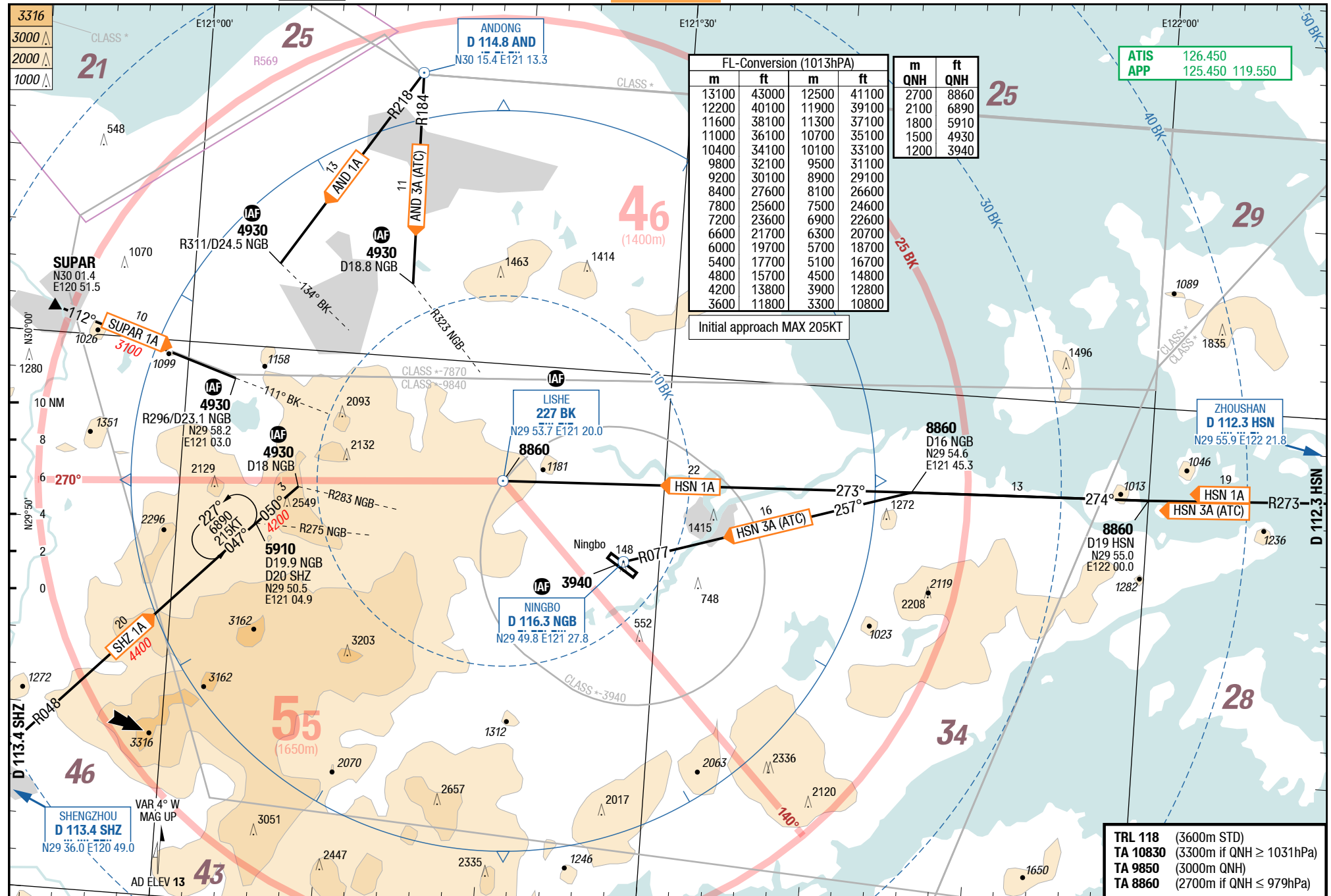
STAR

STAR

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STARs RWY 31

STARs RWY 13



Changes: OBST

Effective 04-FEB-2016

28-JAN-2016

NGB-ZSNB

China Ningbo Lishe

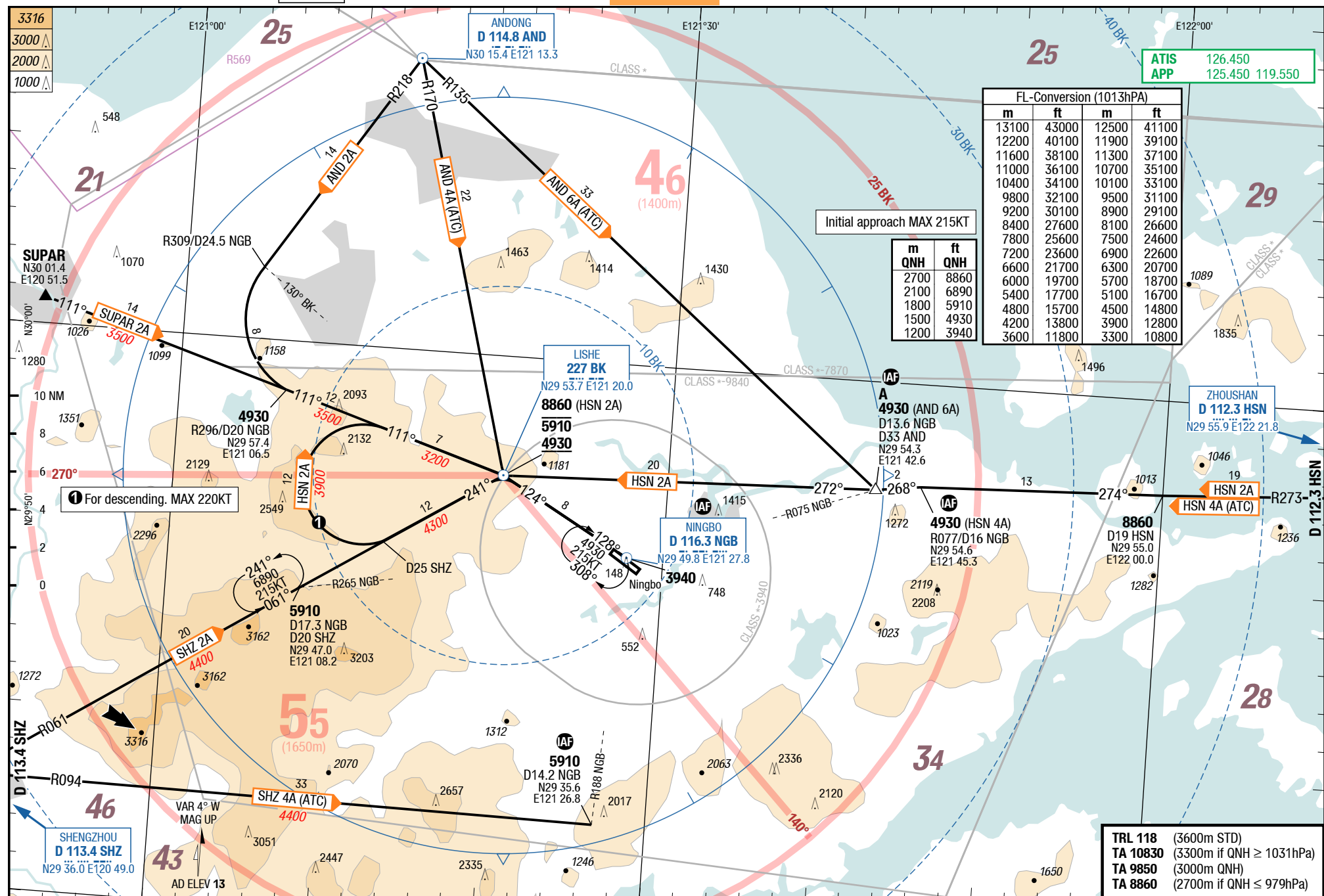
STARs RWY 31

STAR

STAR

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STARs RWY 31



Changes: OBST

14-JUN-2018

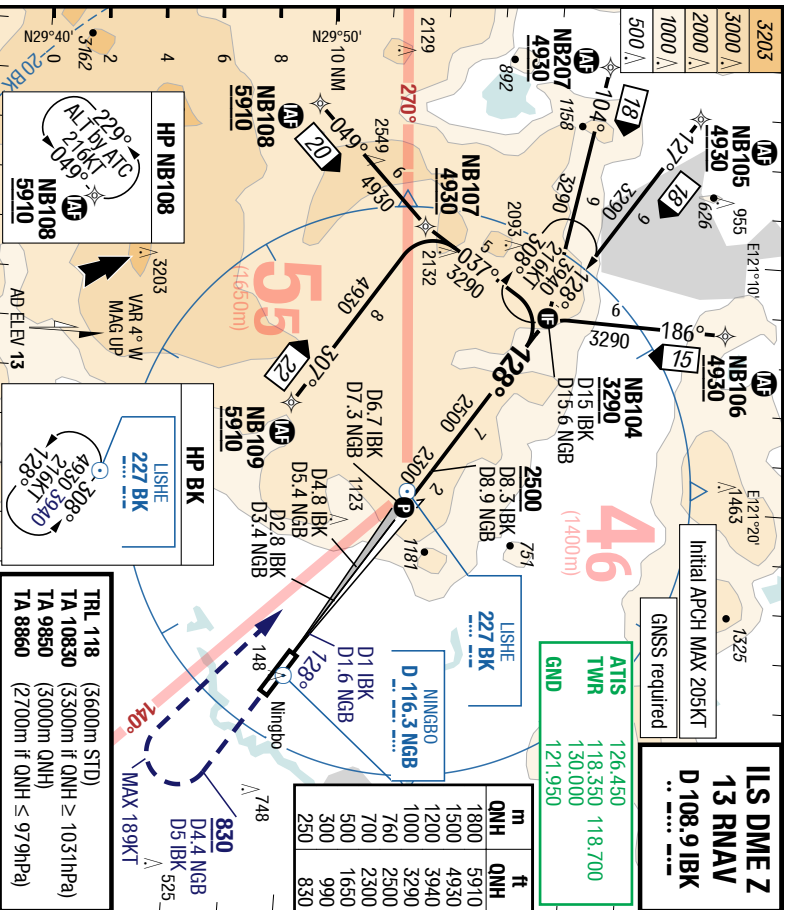
7-10

ILS DME Y 13

IAC

ILS DME Y 13

ILS DME



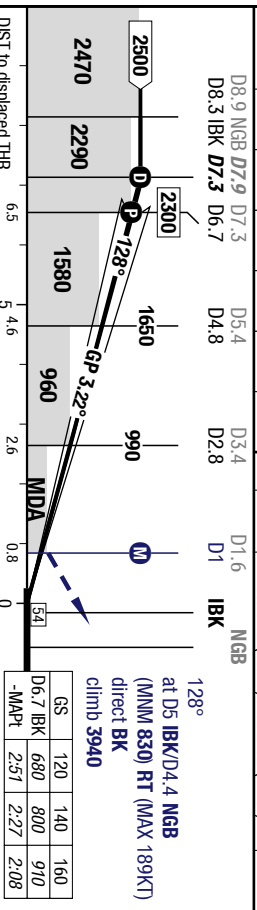
LOC 3.22°						
D IBK	7.3	6	5	4	3	2
	2500	2060	1720	1380	1040	700

13

HL-PfE

THR 12 (0kPa) / TDZ 12 (---%)

0.0%



Order to ship/receive this					
13	Cat 1 DME	LOC DME			Circling SW of RWY only
C	ft - m/km 220 - 550R/800V 230	420 - 2.0V 430			1350 - 4.4V 1370
D	ft - m/km 240 - 600R/800V 250 ¹⁾	420 - 2.2V 430			2220 - 5.0V 2240

1) With EVS RVR 550m/ VIS 800m

Changes: Completely revised

**ILS DME
Y 13**
D 108.9 IBK
..

ATIS 126.450
TWR 118.350 118.700
GND 130.000
121.950

m	ft
2700	8860
1500	4930
1200	3940
1100	3610
1000	3290
760	2500
700	2300
500	1650
300	990
250	830

46
(1400m)

55
(1650m)

HP BK

IAF

LISHE

227 BK

308°

4930-3940

216KT

128°

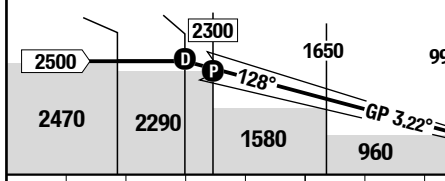
TRL 118 (3600m STD)
TA 10830 (3300m if QNH ≥ 1031hPa)
TA 9850 (3000m QNH)
TA 8860 (2700m if QNH ≤ 979hPa)

LOC 3.22° D IBK	7.2	6	5	4	3	2
	2500	2060	1720	1380	1040	700

13

HL-P1F THR 12 (0hPa) / TDZ 12 (---%) 0.0%

D8.9 NGB	D7.8	D7.3	D5.4	D3.4	D1.6	NGB
D8.3 IBK	D7.2	D6.7	D4.8	D2.8	D1	IBK



128°
at D5 IBK/D4.4 NGB
(MNM 830) RT
(MAX 189KT)
to BK
climb 3940

GS	120	140	160
D6.7 IBK	680	800	910
-MAPt	2:51	2:27	2:08

DIST to displaced THR 7 6.5 5 4.6 2.6 0.8 0

13	Cat 1 DME	LOC DME				
C	ft - m/km ft	220 - 550R/800V 230	420 - 2.0V 430			
D	ft - m/km ft	240 - 600R/800V 250 1)	420 - 2.2V 430			

Circling
SW of RWY only
1350 - 4.4V
1370
2220 - 5.0V
2240

1) With EVS RVR 550m/ VIS 800m

14-JUN-2018

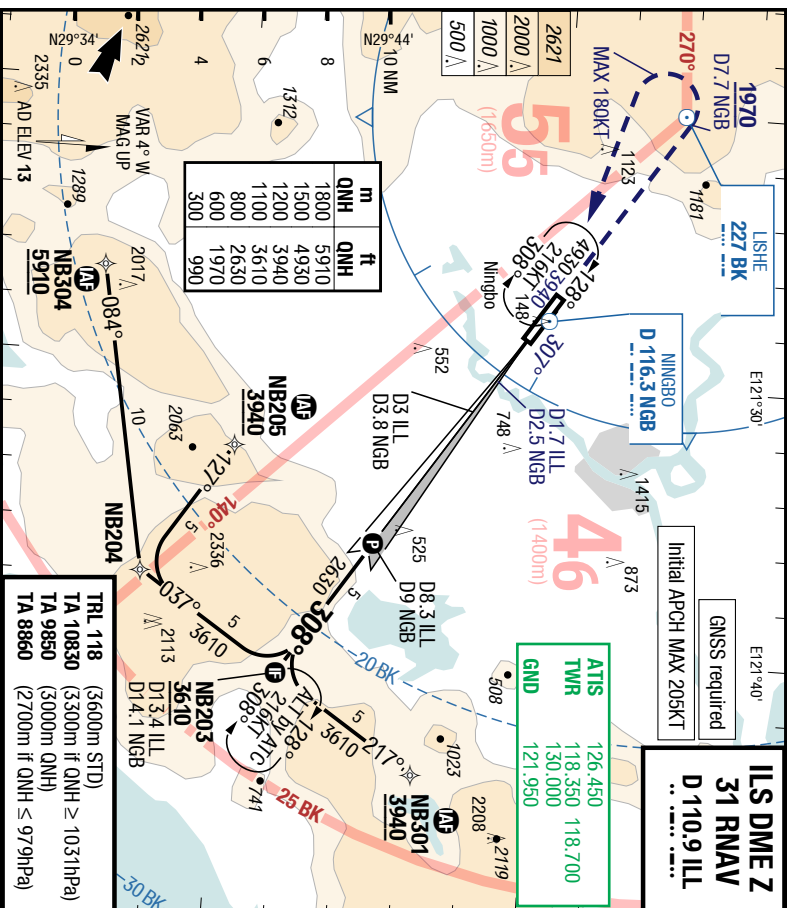
ILS DME Y 31

IAC

7-30

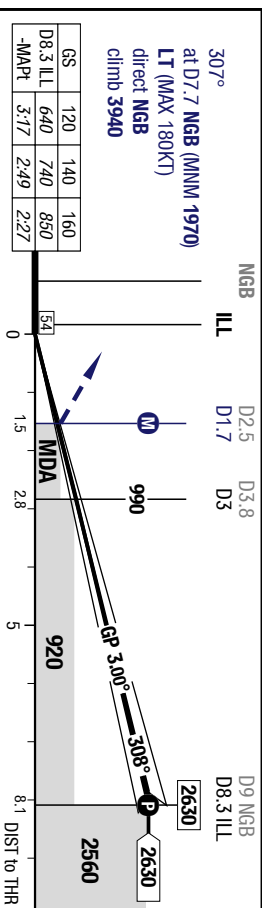
ILS DME Z 31 RNAV

ILS DME Z 31 RNAV



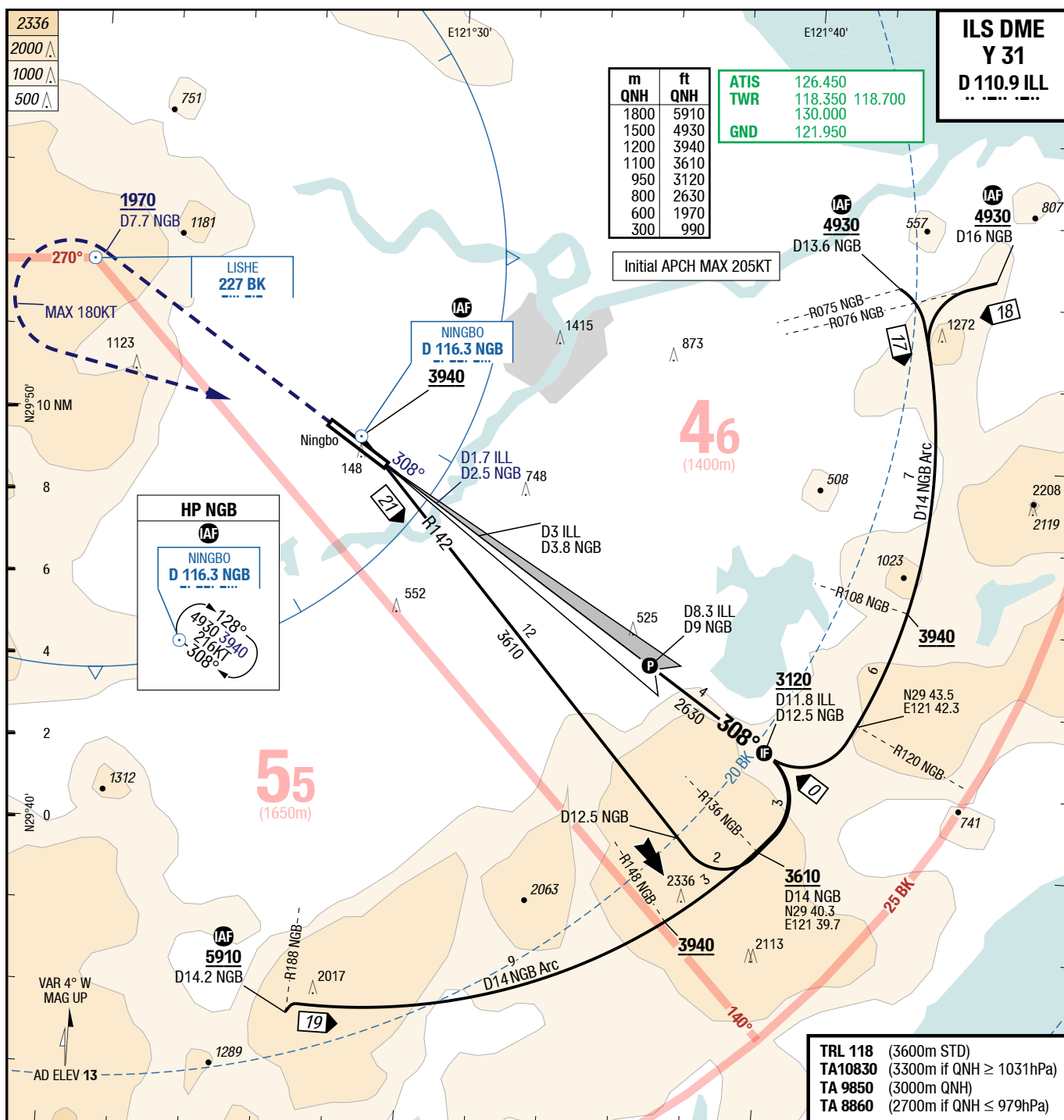
60 HI	4	5	6	7	8.3	LOC 3.00 DILL
30 HI 48 x 3200 3.0° TDZ 12 (---%) / THR 12 (0HPa) HL-PHF	1290	1610	1920	2240	2630	

at D7.7 **NGB** (MMN **1970**)
LT (MAX 180KT)
 direct **NGB**
 climb **3940**



31		Cat 1 DME GA 5.0%	Cat 1 DME GA 2.5%	LOC DME			Circling SW of RWY only
C	ft - m/km 200 - 550R/800V 220	660 - 3.2V 670 ¹⁾	660 - 3.2V 670				1350 - 4.4V 1370
D	ft - m/km 200 - 550R/800V 220	660 - 3.4V 670 ²⁾	660 - 3.4V 670				2220 - 5.0V 2240

Changes: Completely revised



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VOR DME 31

VOR DME 13



