

SHA-ZSSS

1-10

AOI

AOI

**GENERAL****Operational Hours****ATS Hours:** HS or O/R**AD ADMIN Hours:** H24**Airport Information****RFF:** CAT 9**PCN:** RWY 18L/36R: 130/F/C/W/T , RWY 18R/36L: 104/R/B/W/T**Operation****Preferential RWY**

RWY 18R/36L: mainly used for DEP, LDG forbidden from 1600-2300.

RWY 18L/36R: mainly used for LDG

When changing direction of RWY in use, if downwind speed is more than 3m/s and not exceeding 5m/s, ATC may instruct ACFT downwind TKOF or downwind LDG for short time, inform controller if not able to perform.

**Low Visibility Procedure**

RWY 36R: When VIS 2000m or above and ceiling 150m or above and GP INOP INST APCH PROC conducted, DEP ACFT shall hold at holding PSN A.

**Minimum Runway Occupancy Time (MROT)**

Ensure standard MROT procedures.

**TWY Restrictions**

TWY L01, L10, L18, L19, Y1-Y3, M1-M6 MAX wingspan below 65m / 213ft (except B747-8).

TWY L11 MAX wingspan below 52m / 171ft.

TWY L12, L13, L14, L20 MAX wingspan below 36m / 118ft.

TWY L08 MAX wingspan below 24m / 79ft.

TWY H3, H4, H5 can not be used for vacating RWY.

TWY L11-L17 only AVBL for DEP ACFT.

ACFT exceeding 28m / 92ft from front and back gear wheel are prohibited to taxi from TWY A to TWY H4 or from TWY H4 to TWY A.

Simultaneous operation at TWY Y1-Y3, M1-M6 or L15-L17 prohibited.

**Taxi/Parking**

Turns of more than 90° on RWY or TWYs are forbidden.

Follow-me and towing AVBL via GND.

Follow-me is mandatory for parking on APN 2, except stands 232-235, 262-265 and 286-290.

Follow-me is mandatory for stands 502, 504, 506, 508, 510, 511 and 518-525.

Marshaller compulsory on stands 301-342, 401-413, 501, 502, 504, 506, 508, 510-514, 517-525, 601-603, 604A, 604B, 605-608, 212-220, 276-290.

ARR ACFT shall stop on TWYs before turning into stands lead-in lines, then observe and keep slow speed to stands.

Stand 301: taxi in from TWY L08 via TWY K1.

Visual Docking Guidance System (VDGS) AVBL at stands 101, 102, 109-115, 120, 121, 126, 127, 221-237, 238A and 239-275.

**GENERAL****Hot Spots**

HOT SPOT No.	DESCRIPTION
HS 1	RWY crossing area. Pilot must be careful when crossing RWY. Follow ATC instructions strictly when vacating RWY. Taxiing busy area.
HS 2	Follow ATC instructions strictly when vacating RWY.
HS 3, 4	Taxiing busy area. Follow ATC instructions strictly when vacating RWY.
HS 5-7	Two or more ACFT forbidden to operate simultaneously.
HS 8-11	RWY crossing area. When crossing RWYs follow ATC instructions strictly.

**Engine Run-up Areas**

ENG run-ups are subject to AOC permission and TWR CLR.

All stands AVBL for cool running test.

ENG idle test can be performed at stands 401-413, 286-290, 601-603, 604A, 604B, 605-608, 501, 502, 504, 506, 508, 510-514, 517-525, 313-327, 338-342. During the time of ENG-idle tests nearby stands are forbidden to taxi in or out. Passing of TWY behind run-up operations not allowed.

ACFT on stands 101, 102, 109-115, 120, 121, 126, 127, 212-237, 238A, 239-285, 301-312, 328-332, and all ACFT with tail mounted ENGs shall be pushed back to the corresponding HLDG position for ENG idle test.

ACFT on stands 333-337 shall be pushed back to TWY L20 for ENG idle test.

Stands for ENG run-ups installed on APN 4, 83m / 272ft west of TWY D CL, between stands 402 and 405.

ENG run-up stands on APN 4 can only be used while TWY L11 between stand 401 and 407 is not used. Only B747-8 or an ACFT with MAX wingspan 65m / 213ft may perform fast ENG run-ups facing south there.

Fast ENG run-ups on RWY are allowed between finishing the last flight of a day and 1HR before the first flight of the next day only.

Fast ENG run-ups shall be performed on APN 4 unless weather or stands do not permit so, fast ENG run-ups can be performed on RWY.

**Warnings****PK NDB unusable:**

- beyond 7NM on bearing 243°
- between 7-12NM on bearing 264°
- between 14-19NM on bearing 292°
- beyond 3.5NM on bearing 350°
- beyond 4NM on bearing 002°

Do not fly into restricted area ZS(R) 559 by mistake, east of AD.

Birds in vicinity of AD.

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

LDG north: Fly to JTN according to the last command ALT (climb to 1500m / 4920ft if not reached), join HLDG procedure, descend to initial APCH ALT (900m / 2950ft), then approach and land RWY 36R.

SHA-ZSSS

1-30

AOI

AOI

**ARRIVAL**

LDG south: Fly to PK according to the last command ALT (climb to 1500m / 4920ft if not reached), join HLDG procedure, descend to initial APCH ALT (900m / 2950ft), then approach and land RWY 18L.

**Arrival Procedures****VFR Traffic Pattern****RWY 18L, 18R**

Right-hand circuit; CAT A/B ALT 300m / 984ft.

Right-hand circuit; CAT C/D ALT 450m / 1467ft.

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

RWY		18L/36R, 18R/36L	
All ACFT	ft - m/km	0 - 400R/800V	REDL, HJ only
		0 - 500R/800V	wo LGT, HJ only
		0 - 800R/800V	HN

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

Contact DLV for CLR within 10min prior start-up.

Contact GND for pushed back/start-up within 5min, otherwise new CLR necessary.

Request CLR to be pushed to TWY D when direction change is needed after being pushed-back to TWY 11 HLDG point.

**Noise Abatement Procedure:** Use ICAO Standard TKOF PROC A.

**ATC Slot, Clearance****Data Link Departure Clearance (DCL)**

DCL AVBL. Repeat RWY designation and initial climb ALT to ATC.

**De-Icing****De-Icing rules**

De-Icing PSN	Entry	Exit	Remarks
1	TWY D (nose to south)	TWY D, H7	De-Icing PSN 1, 2, 4, 5, 6 can be used independently;
2		TWY D, H6	
3	TWY D - de-icing guide line (blue) (nose to south)	De-Icing guide line, H7	ACFT de-icing on PSN 3 can only taxi out until PSN 1 without any ACFT;
4		De-Icing guide line H6 or H7	
5	TWY D (nose to north)	TWY D, H1	ACFT de-icing on PSN 3, 4: Stands 601-603, 604A, 604B, 605-608 are prohibited to use; ACFT entering/exiting from China Eastern Airlines hangar are prohibited; L14 (south of stand 601) is prohibited to use.
6		TWY D, H2 or H1	
7	L01 (nose to south)	L01 - H7	
8	L01 (nose to north)	L01 - K1	

**B747-8 OPS**

RWY 18R/36L: Mainly used for departure.

RWY 18L/36R: Mainly used for arrival.

TWY not AVBL for B747-8:

TWY B2, B5, B7, B8, D3, D6-13, D17, H4 (between A and C), B (between H1 and H2, H2 and H3, H3 and H5, H5 and H6, H6 and H7), C (between H1 and H2, H2 and D4, H3 and D4, D5 and H3, D5 and D14, D14 and D15, D15 and H5, H5 and D16, D16 and H6, H6 and H7).

B747-8 are requested to use judgemental steering at the following TWYs:

A1 and A, A2 and A, A3 and A, A4 and A, H1 and A, H7 and A, T1 and A, T6 and A, K6 and A, K7 and A, H1 and RWY 18L/36R, T6 and RWY 18L/36R, L01 and K6, L01 and K7.

B747-8 must be guided by follow-me into stands.

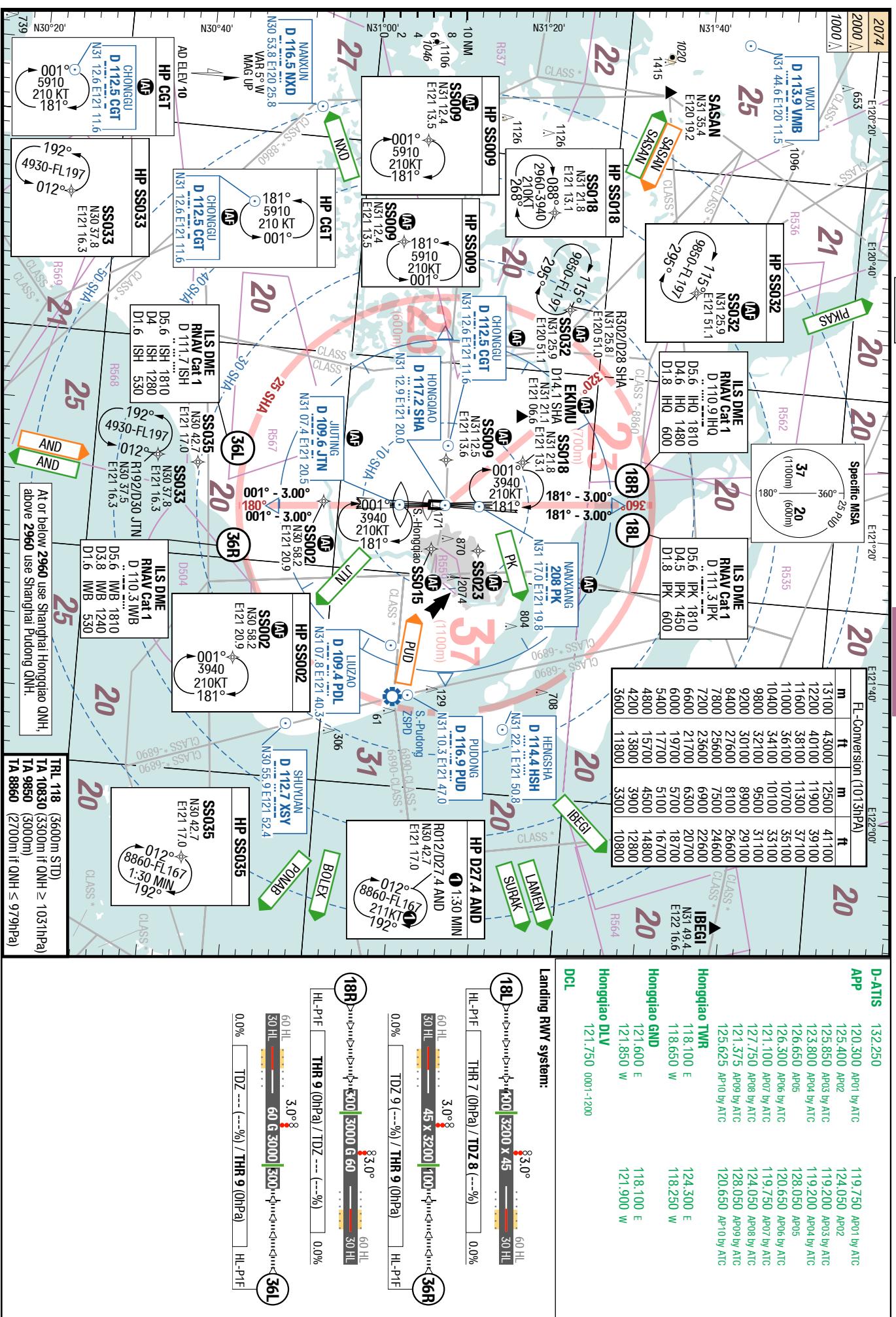
22-MAR-2018

22-MAR-2018  
SHA-ZSSS

2-10

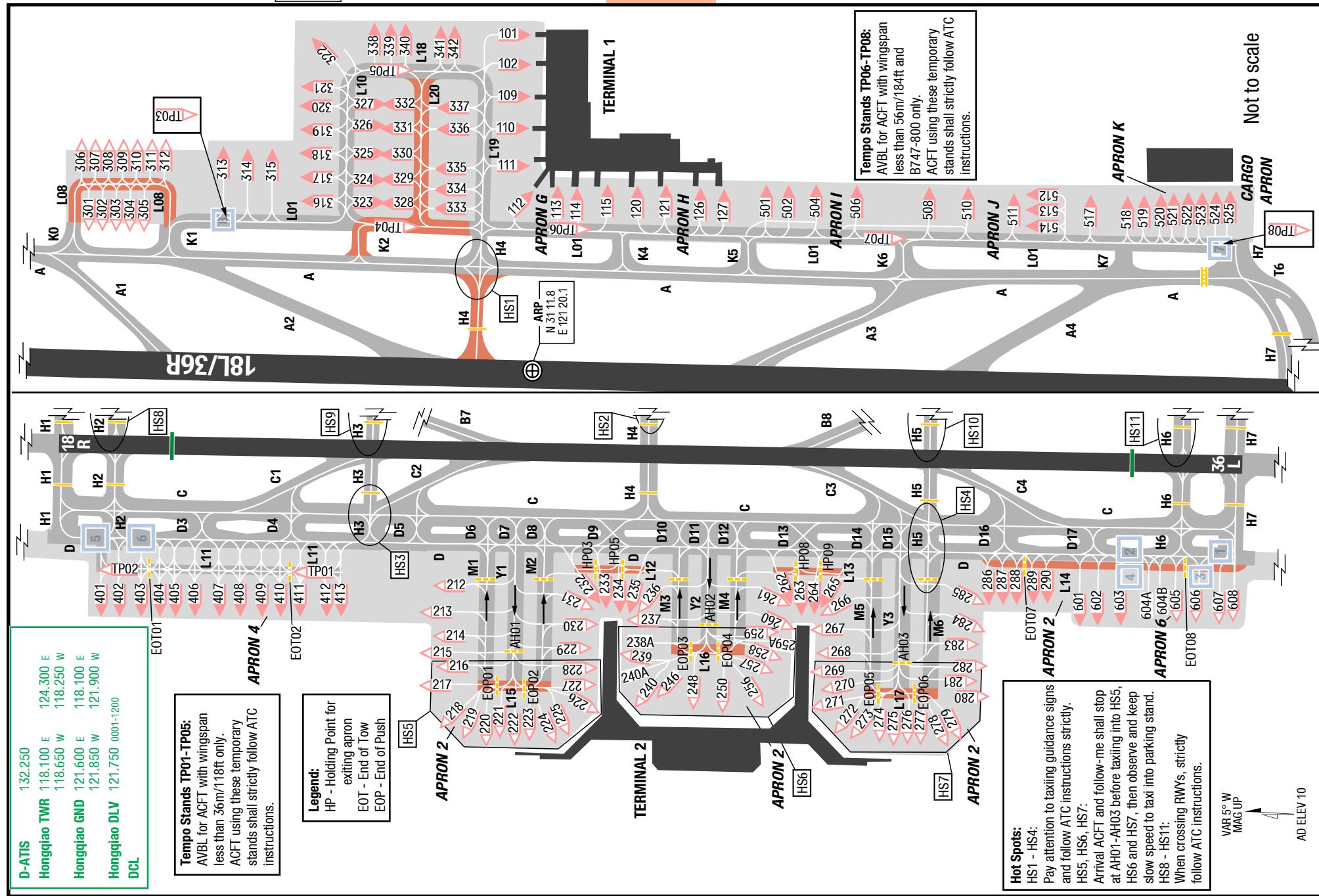
AFC  
AGC  
igqiao

Hongqiao Shanghai Unilab





3-30



APC	APC	Stand Coordinates
-----	-----	-------------------

### Stand Coordinates

42-45	N31 12.0 E121 20.4
71, 72	N31 12.0 E121 20.5
81, 82	N31 12.0 E121 20.5
501	N31 11.6 E121 20.4
502, 504	N31 11.5 E121 20.4
506, 508, 510	N31 11.4 E121 20.4
511	N31 11.3 E121 20.4
512-517	Not published
101, 102	Not published
109-114	Not published
115	N31 11.8 E121 20.4
120-126	N31 11.7 E121 20.4
127	N31 11.6 E121 20.4
212-240A	Not published
246, 248	Not published
250	Not published
256-290	Not published
301-342	Not published
401-413	Not published
601-608	Not published
518	N31 11.3 E121 20.5
519-521	N31 11.2 E121 20.5
522	N31 11.1 E121 20.5
523	N31 11.1 E121 20.4
524, 525	N31 11.0 E121 20.4
TP01-TP08	Not published

Effective 01-FEB-2018

25-JAN-2018

SHA-ZSSS

China Shanghai Hongqiao

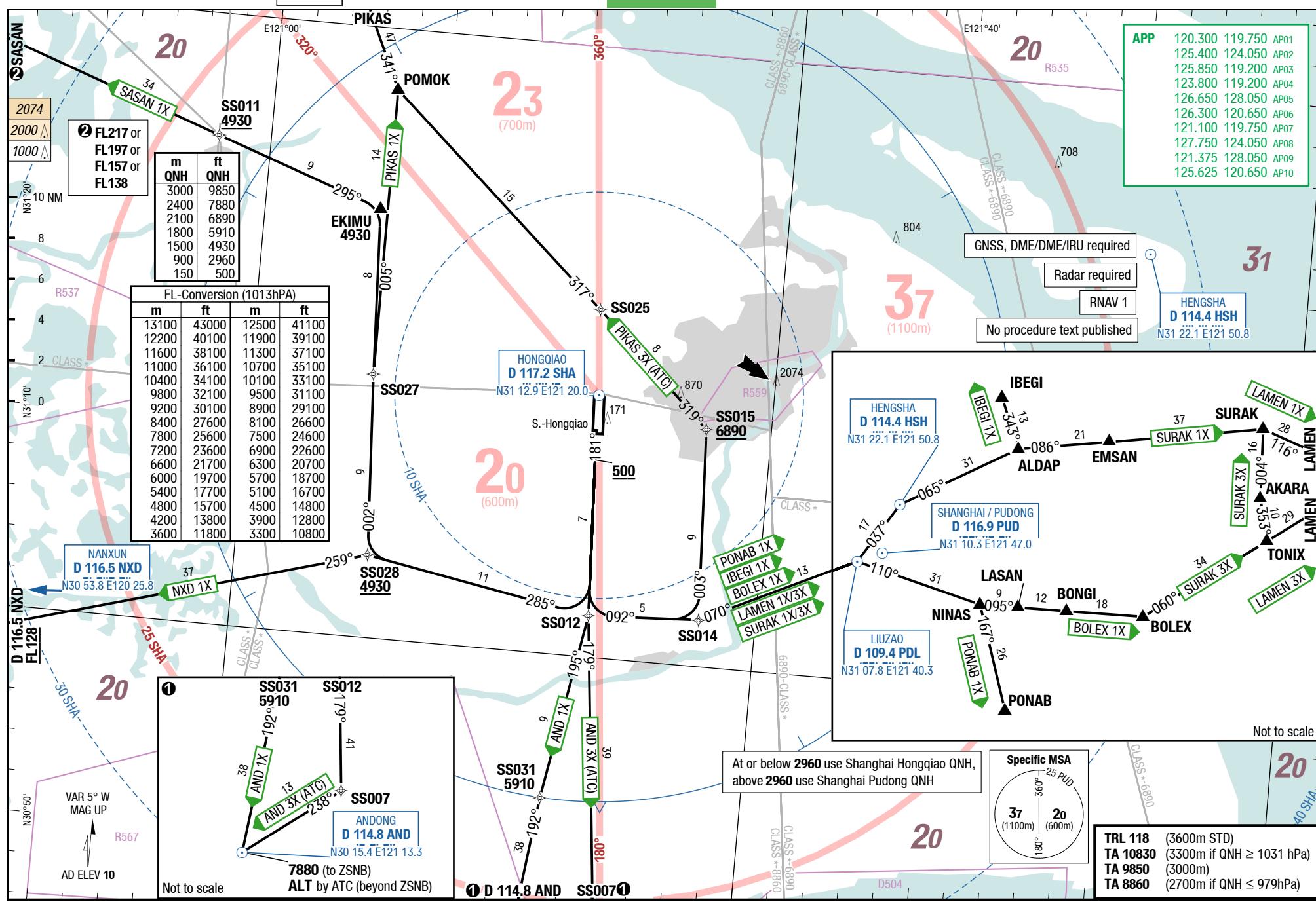
RNAV SIDs RWY 36L/R North

RNAV SIDs RWY 18L/R

Hongqiao Shanghai China

RNAV SIDs RWY 36L/R North

RNAV SIDs RWY 18L/R



Effective 01-FEB-2018

25-JAN-2018

SHA-ZSSS

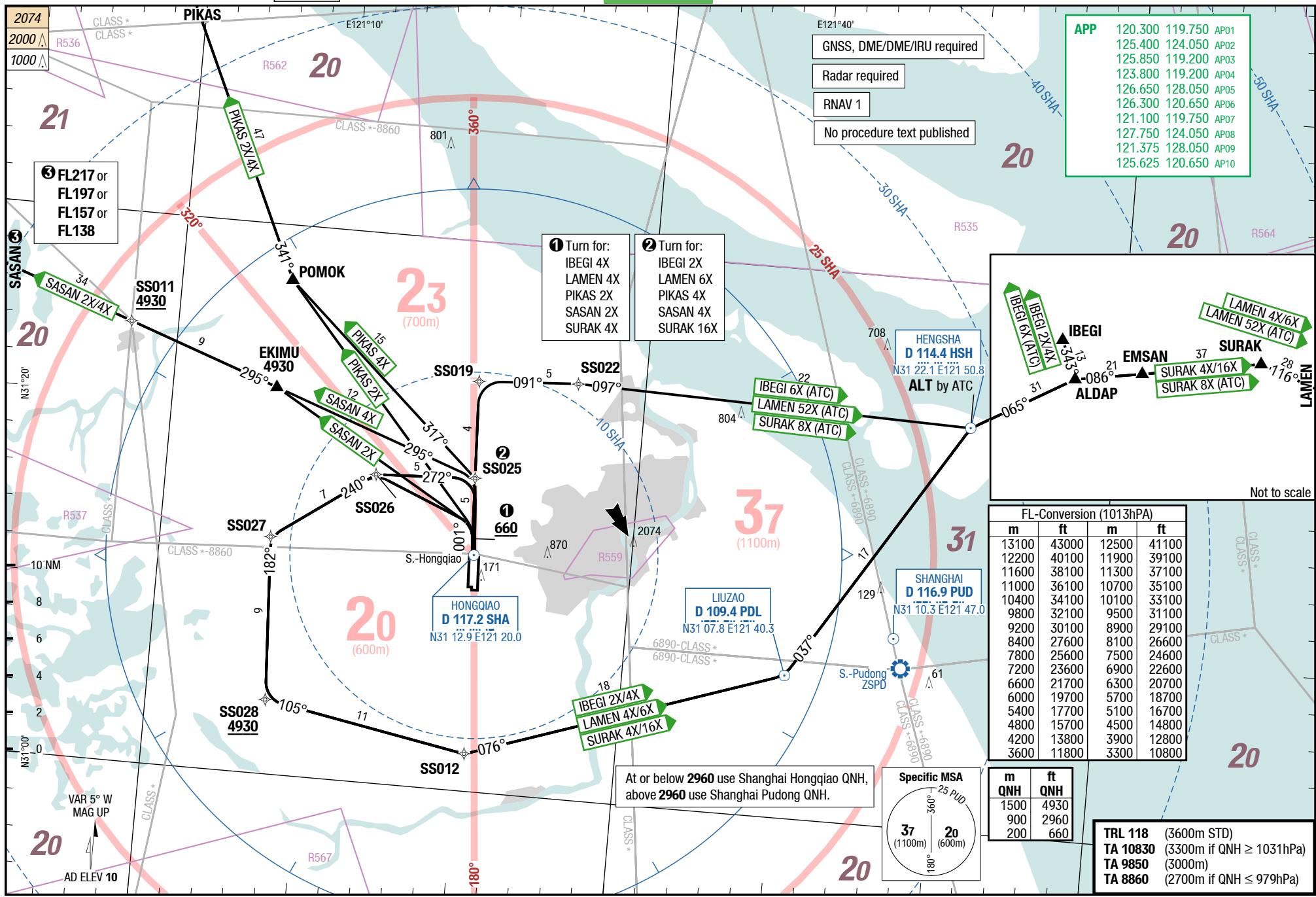
China Shanghai Hongqiao

4-20 RNAV SIDs RWY 36L/R North

SID

Hongqiao Shanghai China

RNAV SIDs RWY 36L/R North



Changes: Track, PROC, OBST, Note

Effective 01-FEB-2018

25-JAN-2018

SHA-ZSSS

China Shanghai Hongqiao

SIDs RWYs 18L/R

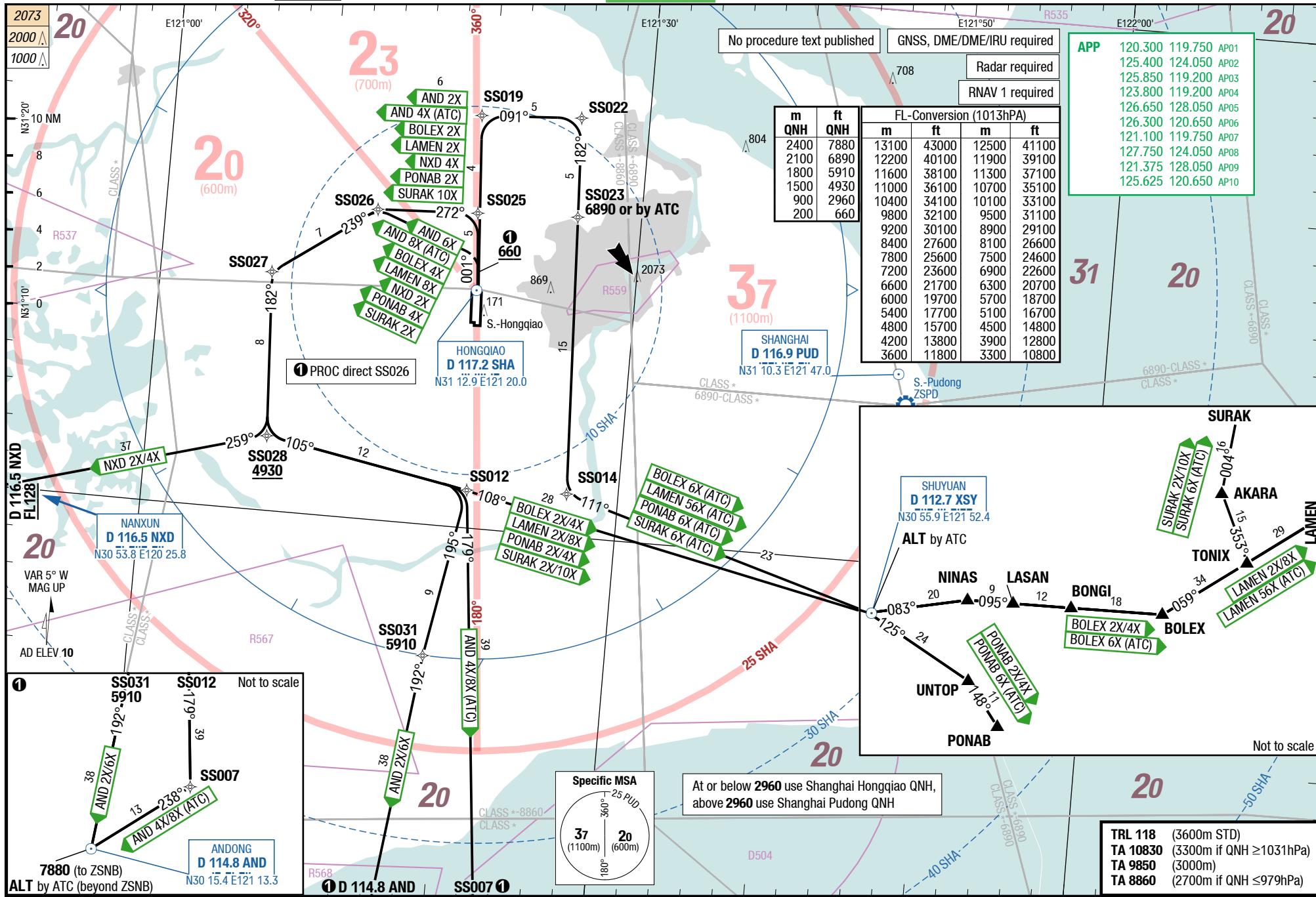
4-30

RNAV SIDs RWY 36L/R South

Hongqiao Shanghai China

SIDs RWYs 18L/R

RNAV SIDs RWY 36L/R South



Changes: Nil

Effective 01-FEB-2018

25-JAN-2018

SHA-ZSSS

China Shanghai Hongqiao

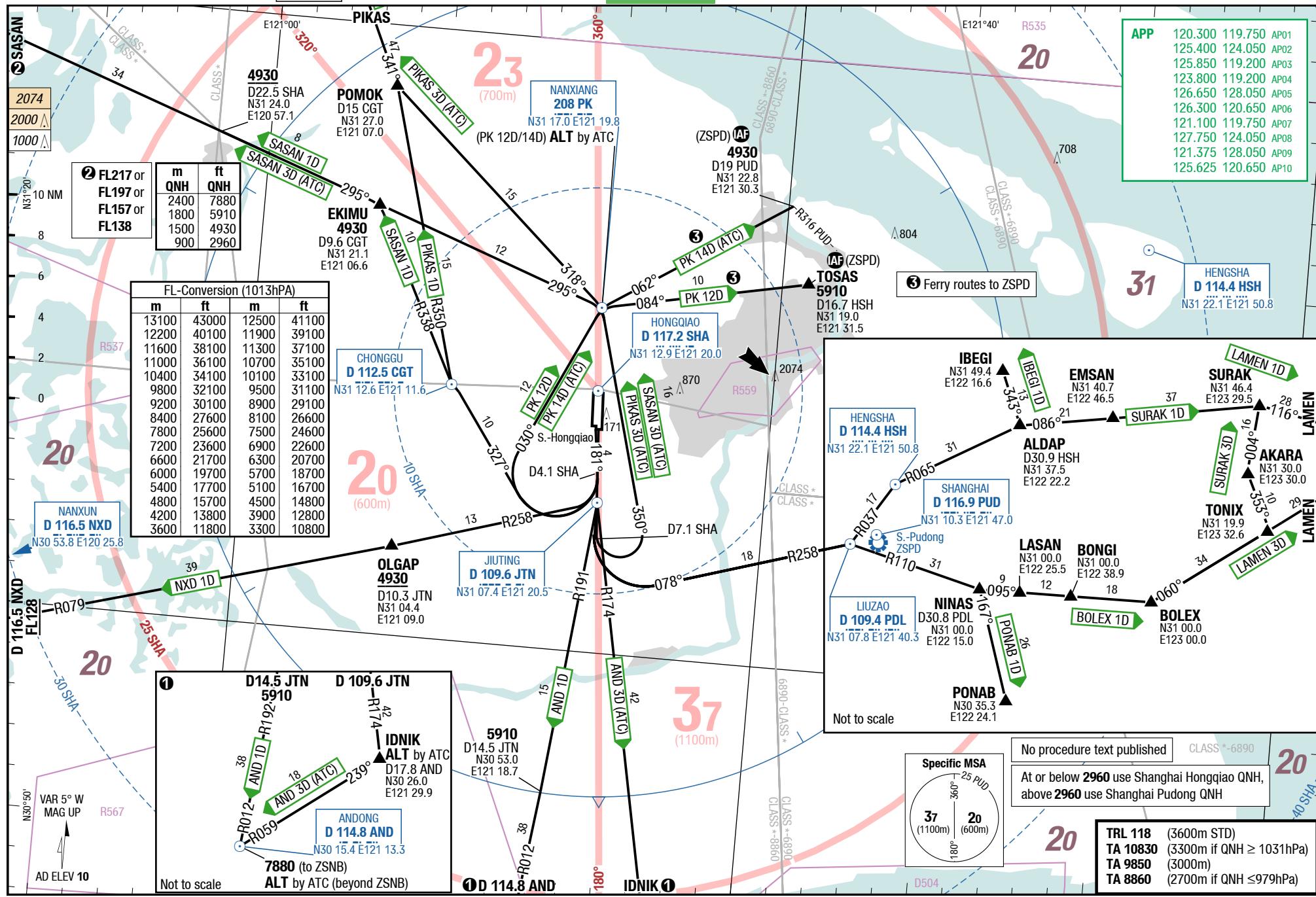
Hongqiao Shanghai China

4-40

SIDs RWYs 18L/R

SID

SIDs RWYs 18L/R



Effective 01-FEB-2018

25-JAN-2018

SHA-ZSSS

China Shanghai Hongqiao

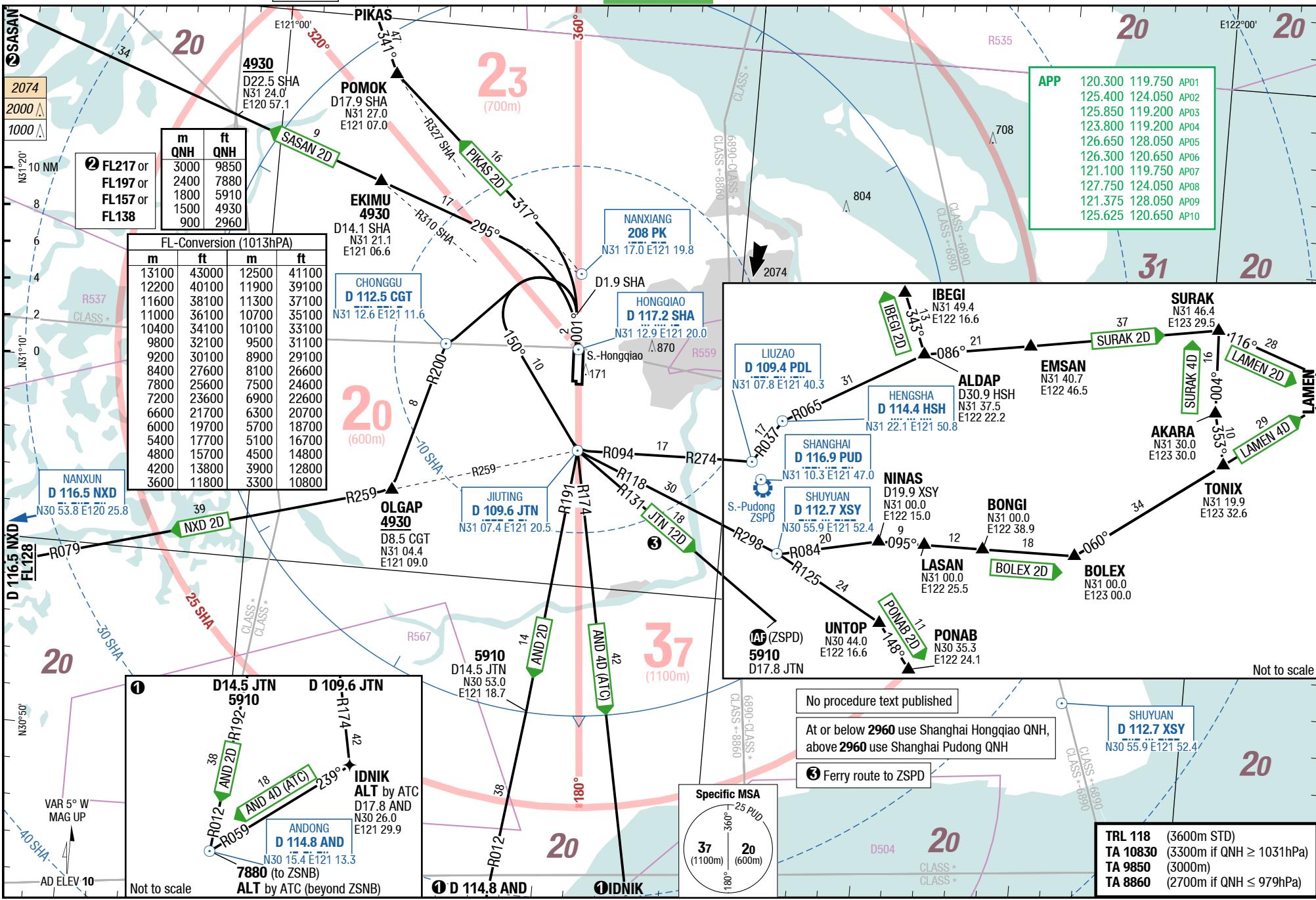
Hongqiao Shanghai China

4-50

SIDs RWYs 36L/R

SID

SIDs RWYs 36L/R



**Effective 29-MAR-2018**

22-MAR-2018

**SHA-ZSSS**

6-10

China Shanghai Hongqiao

**RNAV STARs RWY 36L/R**

## RNAV STARS RWY 18L/R

STAR

STAR

Hongqiao **Shanghai** China

**RNAV STARs RWY 36L/R**

## RNAV STARs RWY 18L/R

<b>D-ATIS</b>	132.250		
<b>APP</b>	120.300	119.750	AP01
	125.400	124.050	AP02
	125.850	119.200	AP03
	123.800	119.200	AP04
	126.650	128.050	AP05
	126.300	120.650	AP06
	121.100	119.750	AP07
	127.750	124.050	AP08
	121.375	128.050	AP09
	125.625	120.650	AP10

20

31

Radar required  
RNAV 1  
GNSS,DME/DME/IRU

1

**SASN 1**

FL207 or FL148 or FL128

**IAF SS032 4930** N31 25.9 E120 51.1

**IAF SS011 4930**

**IAF EKIMU 3940**

**IAF SS009 4930** N31 12.4 E121 13.5

**HONGQIAO D 117.2 SHA** N31 12.9 E121 20.0

**IAF SS023 4930**

**IAF SS015 5910**

**JIUTING D 109.6 JTN** N31 07.4 E121 20.5

**HP SS035**

**DADAT 11490**

**ANDONG D 114.8 AND** N30 15.4 E121 13.3

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

**D-ATIS APP**

132.250
120.300
125.400
125.850
123.800
126.650
126.300
121.100
127.750
121.375
125.625

119.750
124.050
119.200
120.050
120.650
124.050
128.050
120.650

AP01
AP02
AP03
AP04
AP05
AP06
AP07
AP08
AP09
AP10

Radar required  
RNAV 1  
GNSS,DME/DME/IRU required

Specific MSA

At or below 2960 use Shanghai Hongqiao QNH, above 2960 use Shanghai Pudong QNH.

VAR 5° W MAG UP  
AD ELEV 10

FL-Conversion (1013hPa)

m QNH	ft QNH	m QNH	ft QNH
3500	11490	13100	43000
3000	9850	12200	40100
2700	8860	11600	38100
2100	6890	11000	36100
1800	5910	10400	34100
1500	4930	9800	32100
1200	3940	9200	30100
900	2960	8400	27600
		7800	25600
		7200	23600
		6600	21700
		6000	19700
		5400	17700
		4800	15700
		4200	13800
		3600	11800

Not to scale

Changes: Nil

Effective 29-MAR-2018

22-MAR-2018

SHA-ZSSS

China Shanghai Hongqiao

Hongqiao Shanghai China

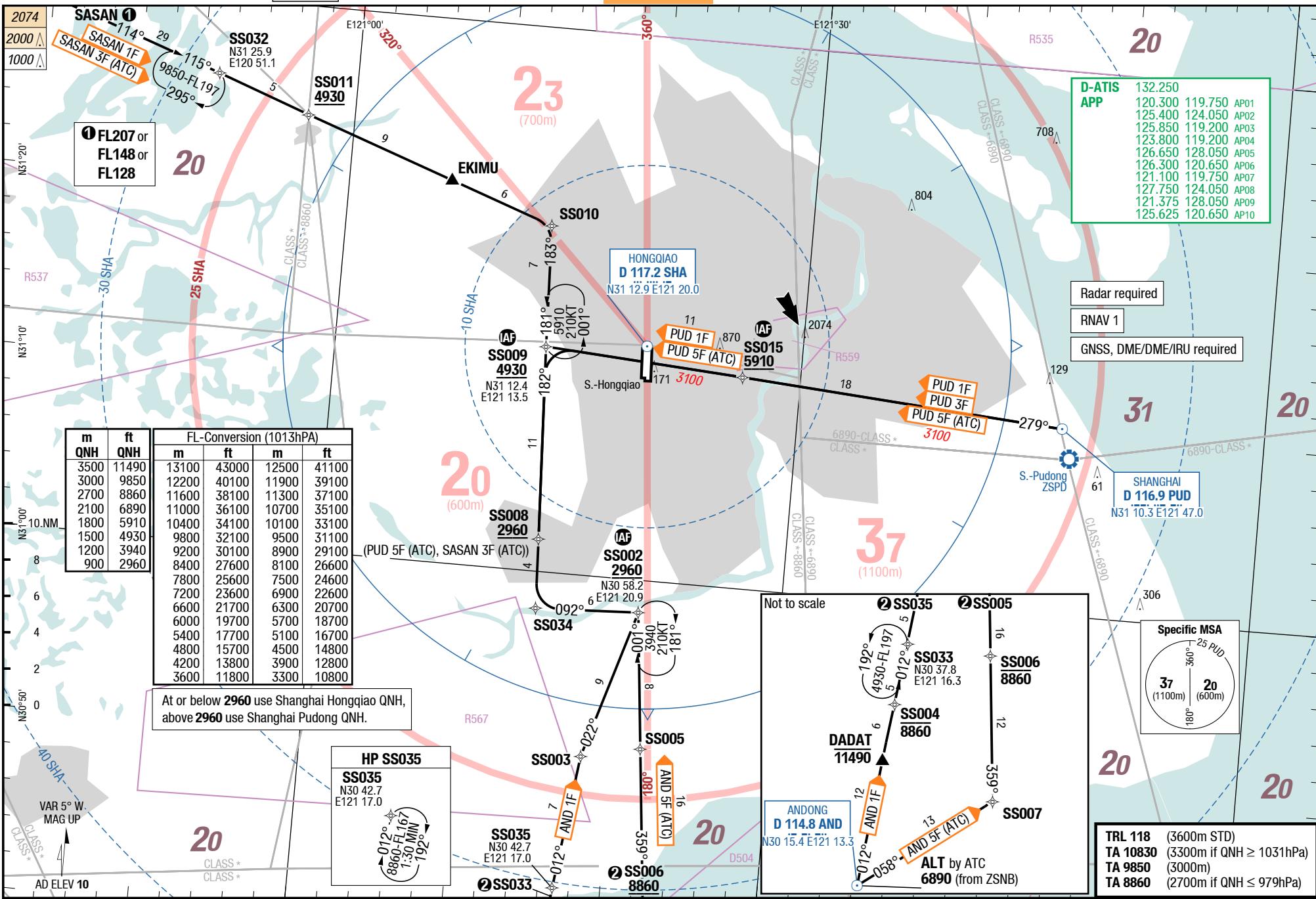
6-20

## RNAV STARs RWY 36L/R

STAR

STAR

## RNAV STARs RWY 36L/R



Changes: PROC

Effective 29-MAR-2018  
22-MAR-2018

SHA-ZSSS

China Shanghai Hongqiao

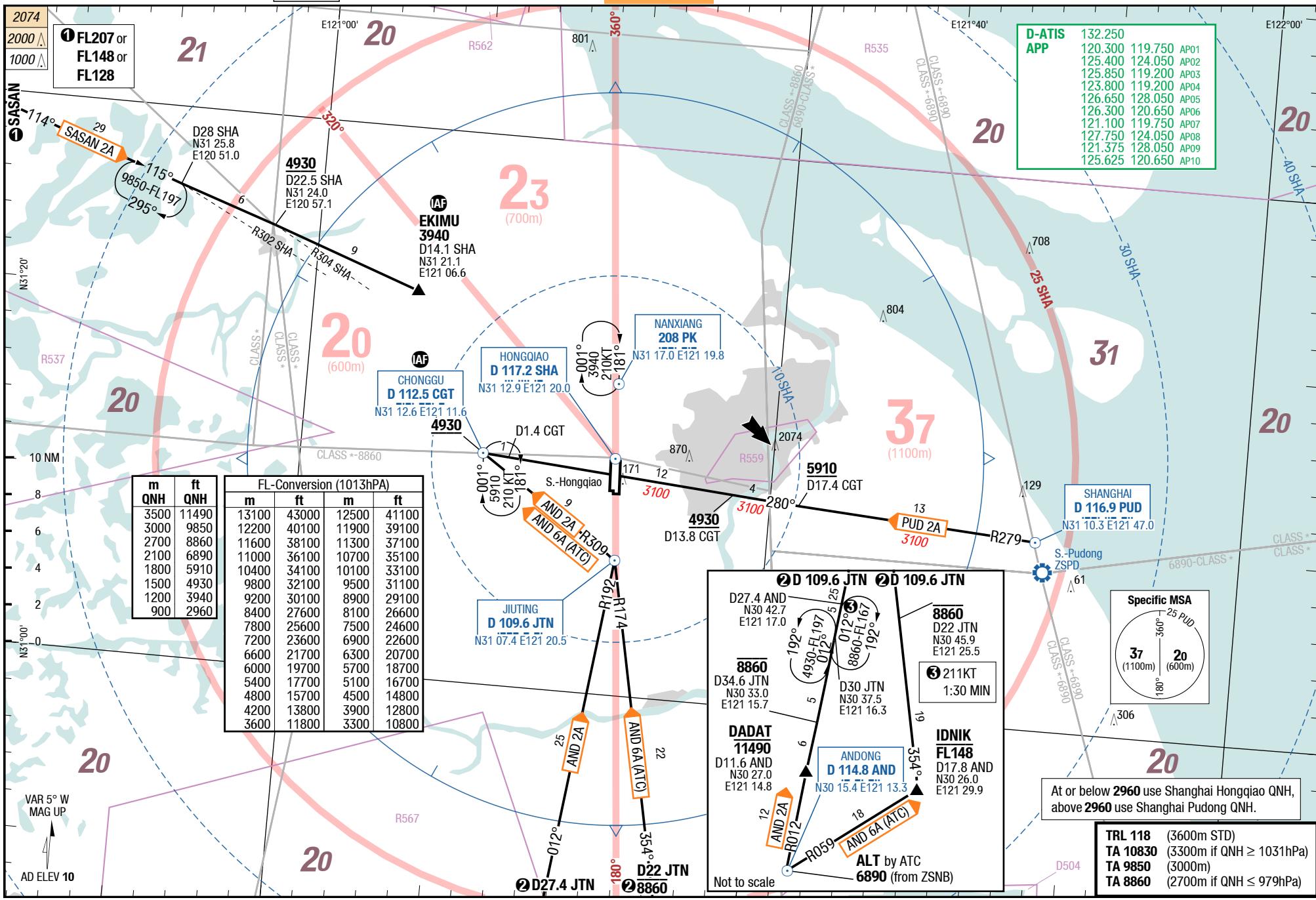
STARs RWYs 36L/R

STARs RWYs 18L/R

Hongqiao Shanghai China

STARs RWYs 36L/R

STARs RWYs 18L/R



Changes: PROC

**Effective 29-MAR-2018**

22-MAR-2018

SHA-ZSSS

China Shanghai Hongqiao

Hongqiao **Shanghai** China

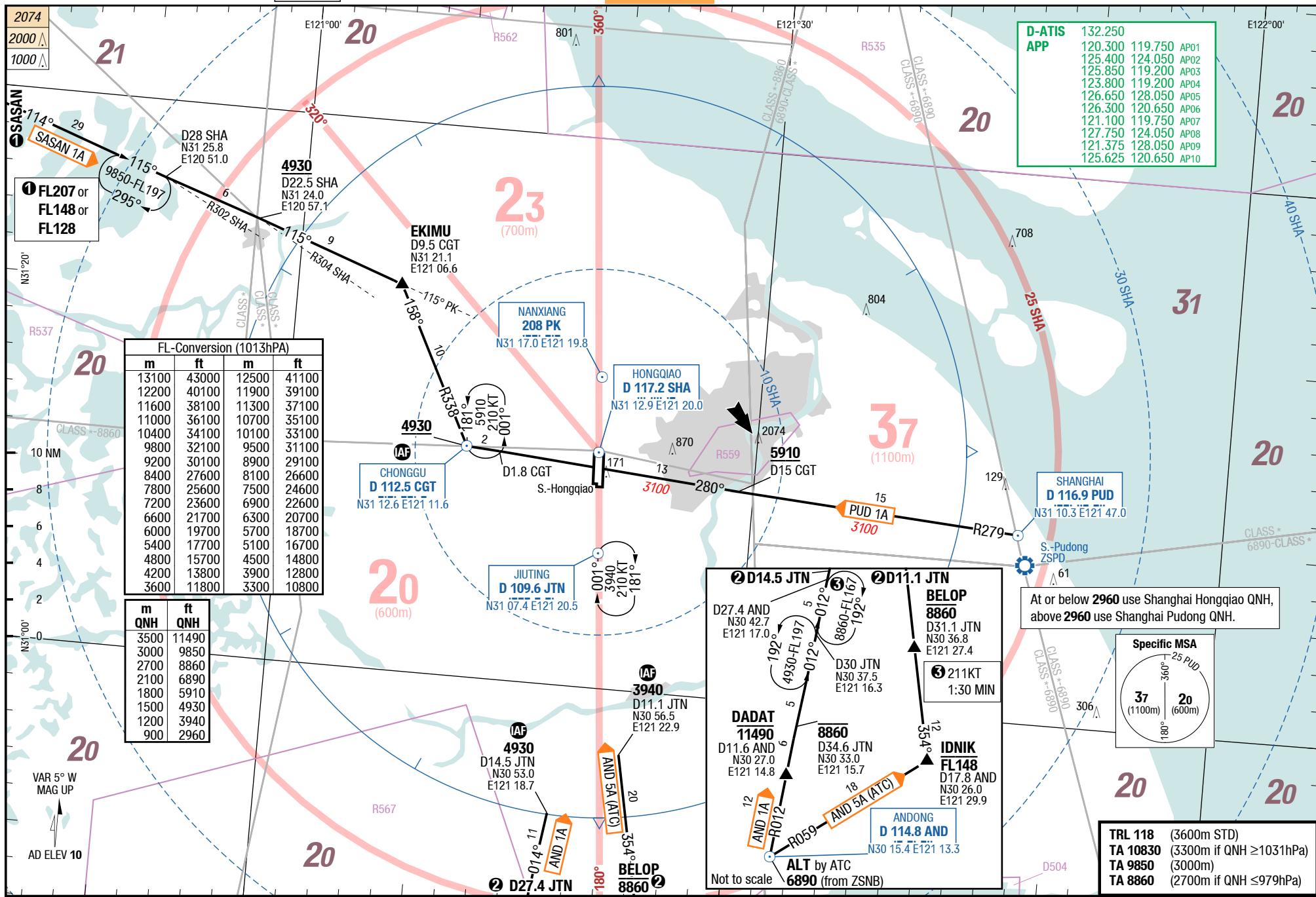
6-40

**STARs RWYs 36L/R**

SIAR

STAR

## **STARs RWYs 36L/R**

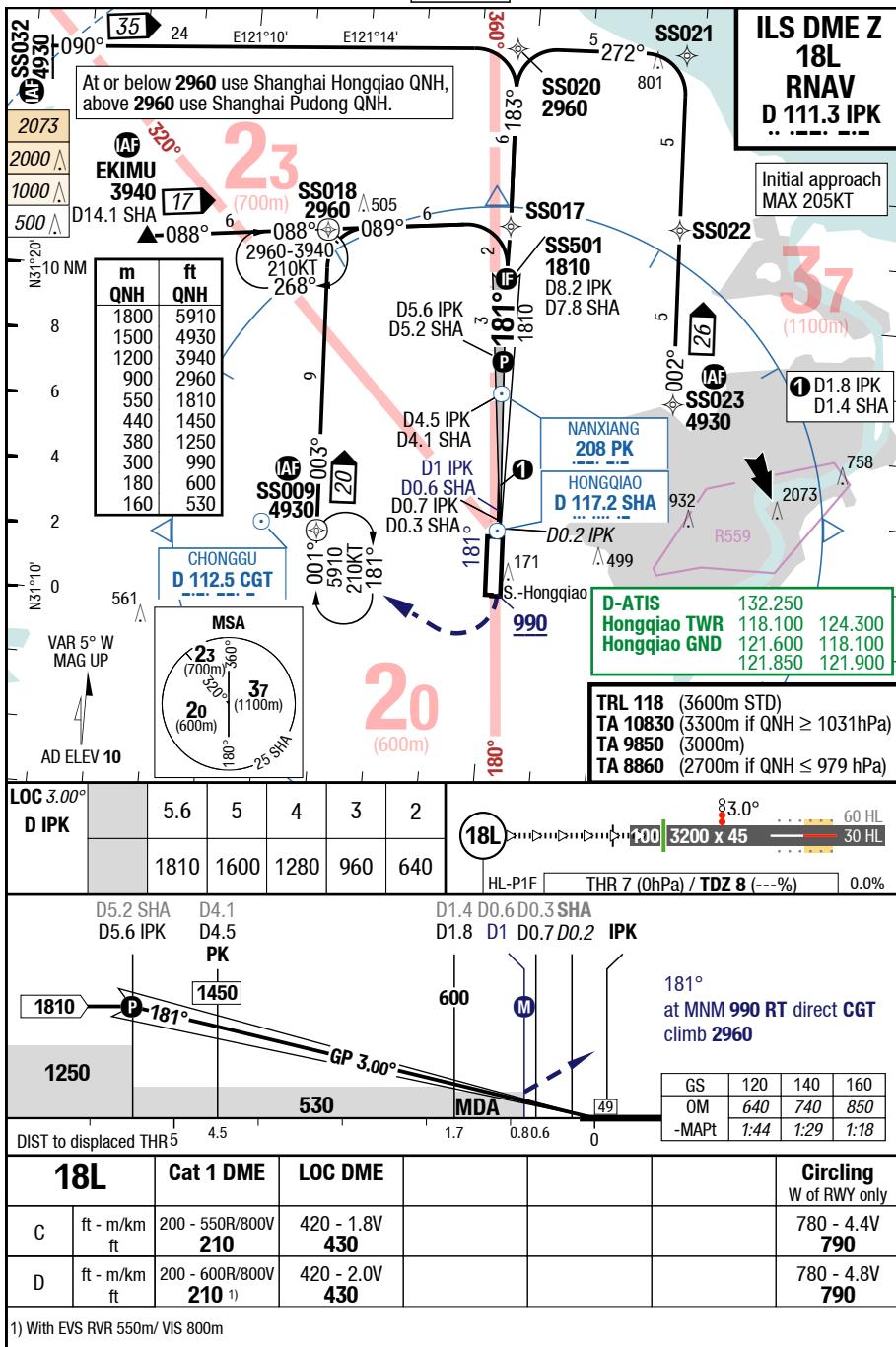


17-AUG-2017

SHA-ZSSS

7-10

ILS DME Z 18L RNAV



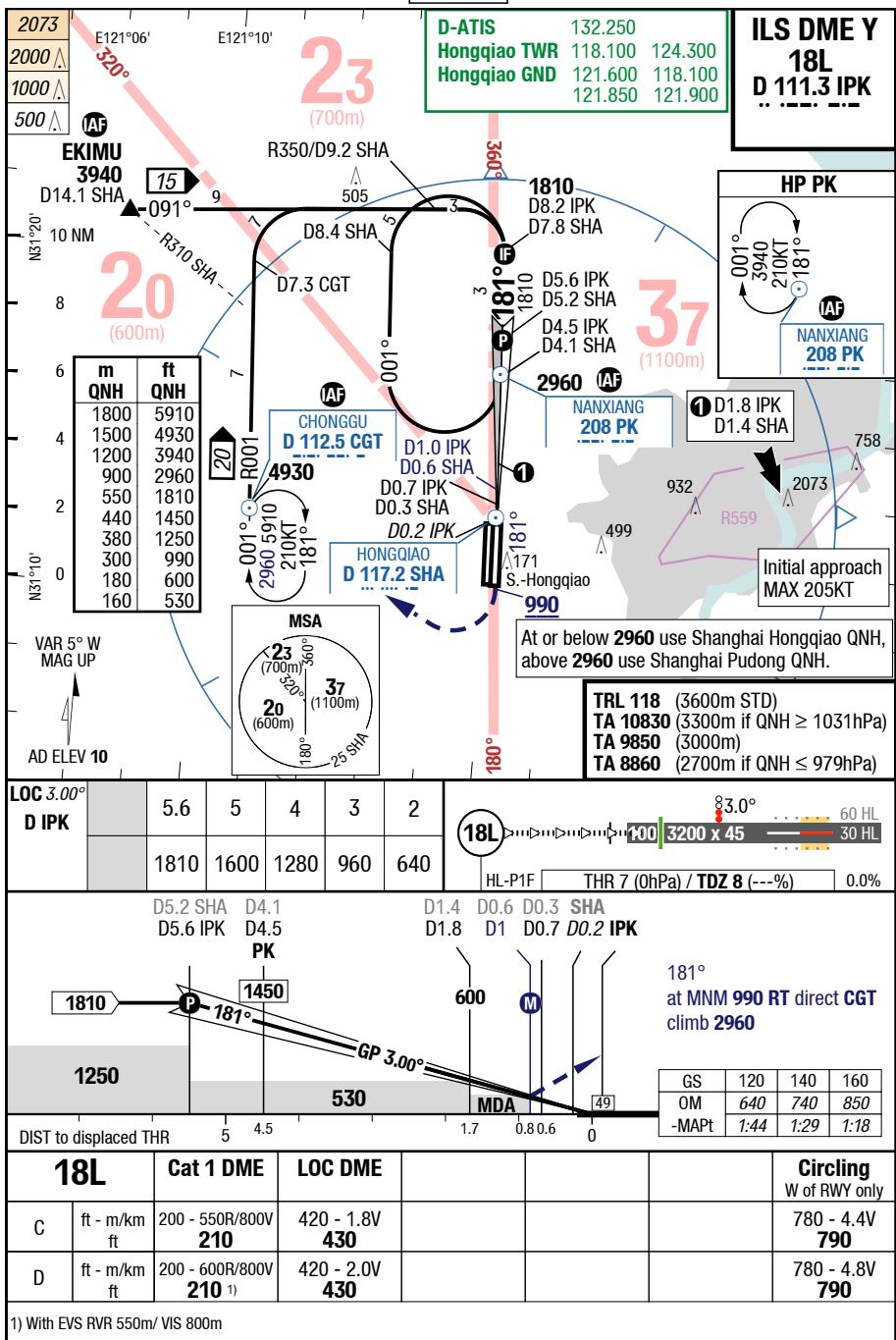
Changes: MIN, ALT, APL, OBST, OM, MM

17-AUG-2017

SHA-ZSSS

7-20

ILS DME Y 18L



Changes: ALT, APL, MIN, OBST, MM, OM

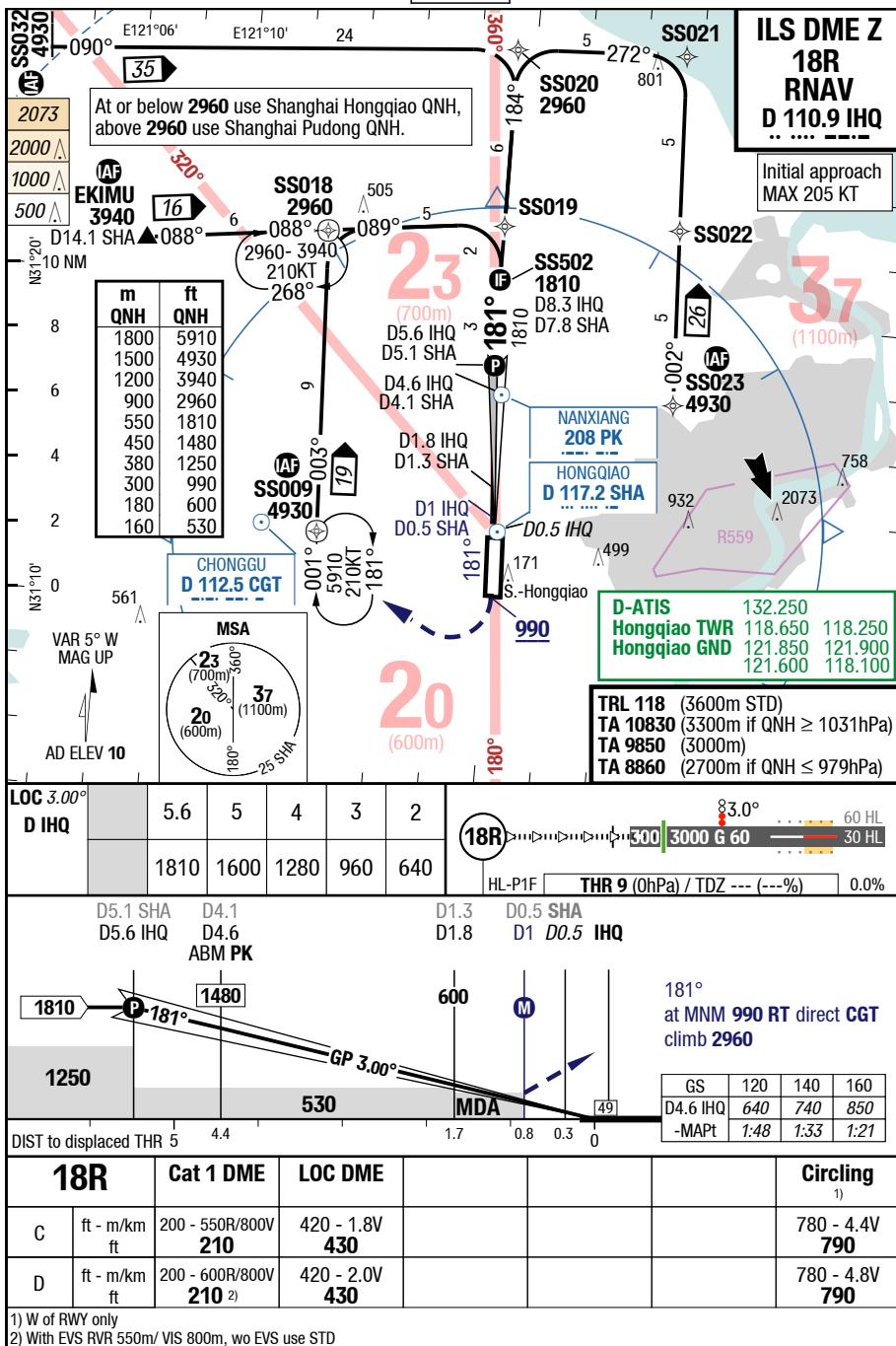
17-AUG-2017

SHA-ZSSS

7-30

ILS DME Z 18R RNAV

IAC



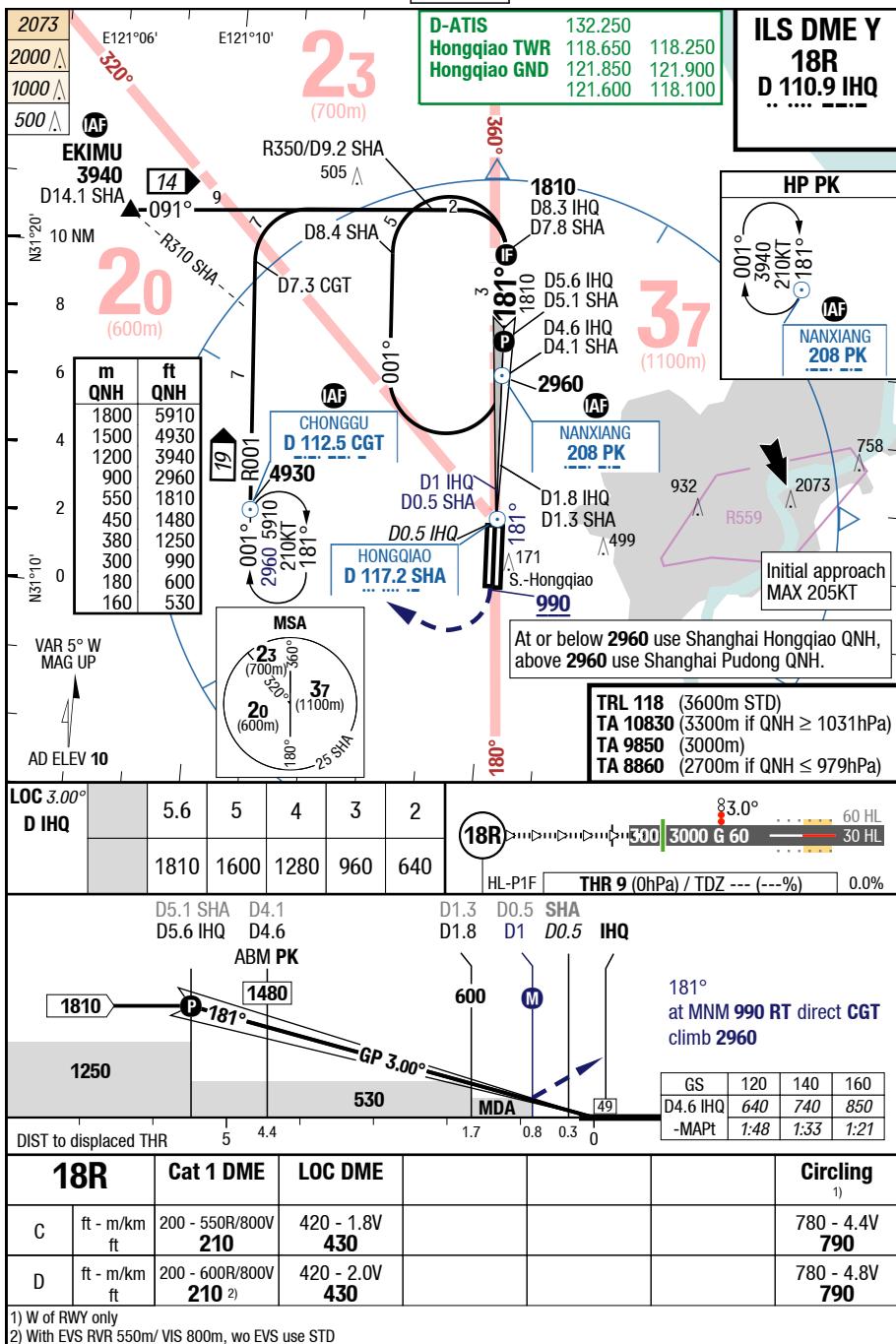
Changes: ALT, APL, OBST

17-AUG-2017

SHA-ZSSS

7-40

ILS DME Y 18R

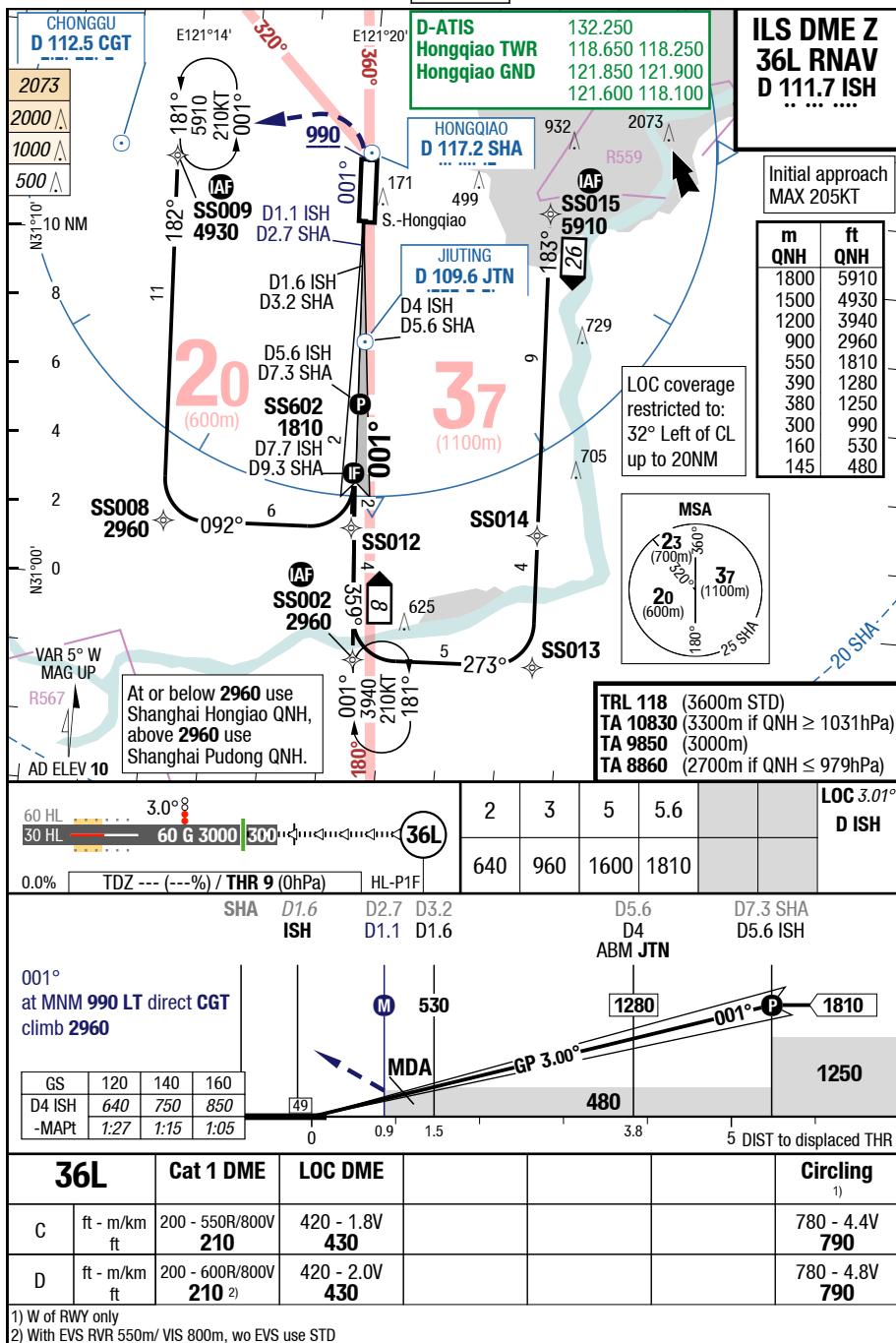


Changes: ALT, APL, OBST

SHA-ZSSS

7-50

ILS DME Z 36L RNAV



1) W of RWY only

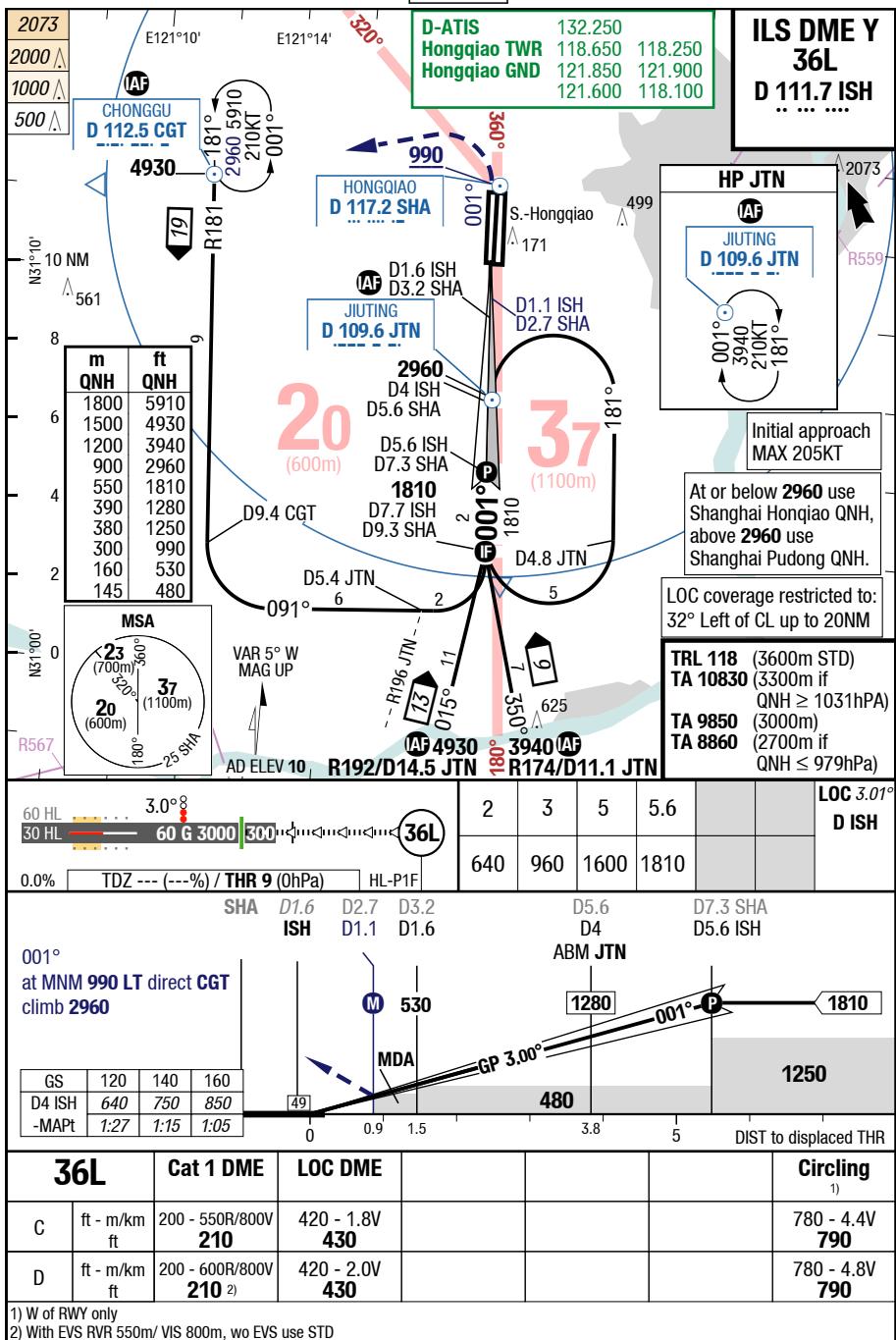
2) With EVS RVR 550m/ VIS 800m, wo EVS use STD

09-AUG-2018

SHA-ZSSS

7-60

ILS DME Y 36L

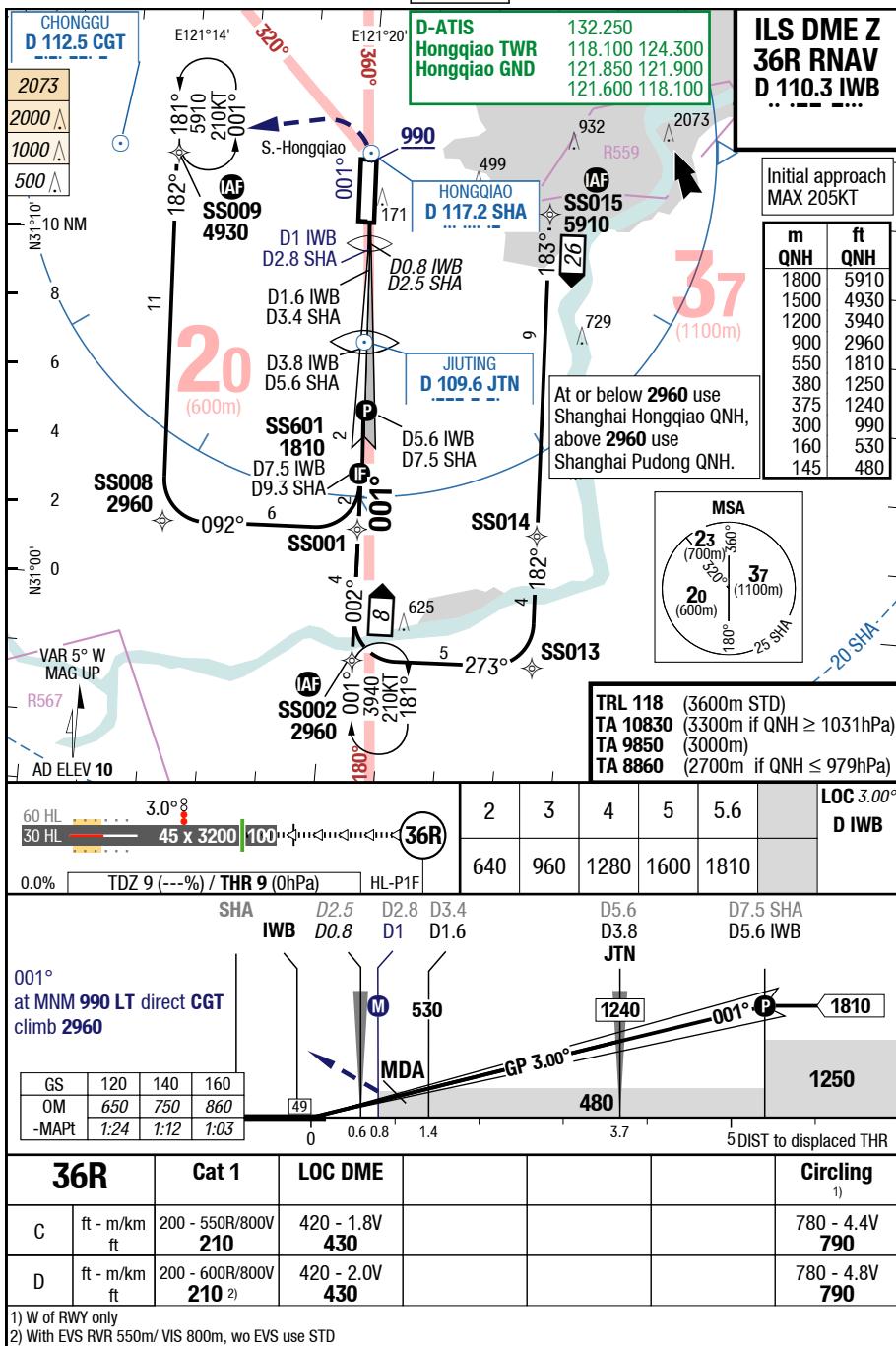


Changes: Nil

## SHA-ZSSS

7-70

## ILS DME Z 36R RNAV

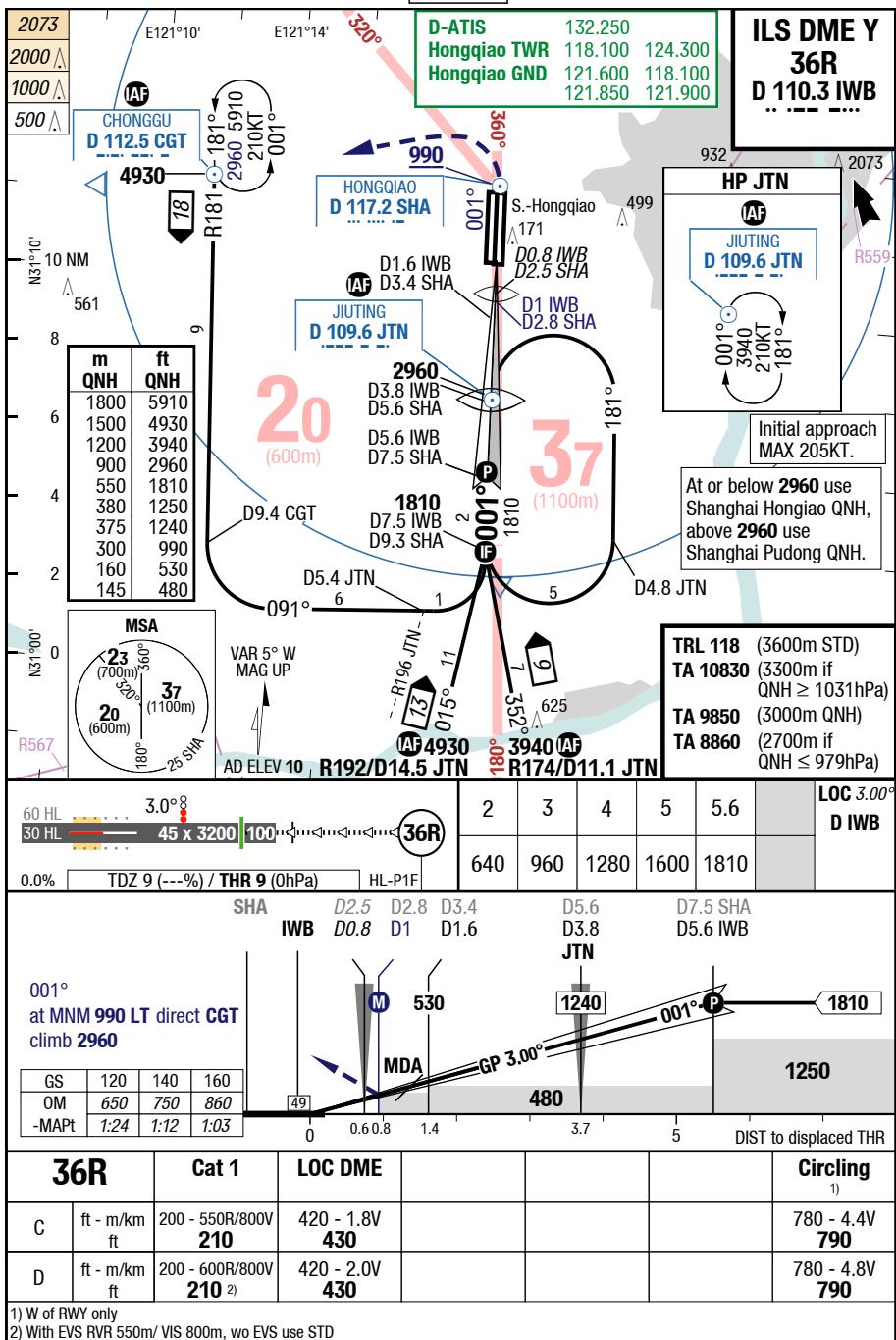


Changes: WPT SS002, SS009, SS034, PROC

## SHA-ZSSS

7-80

ILS DME Y 36R



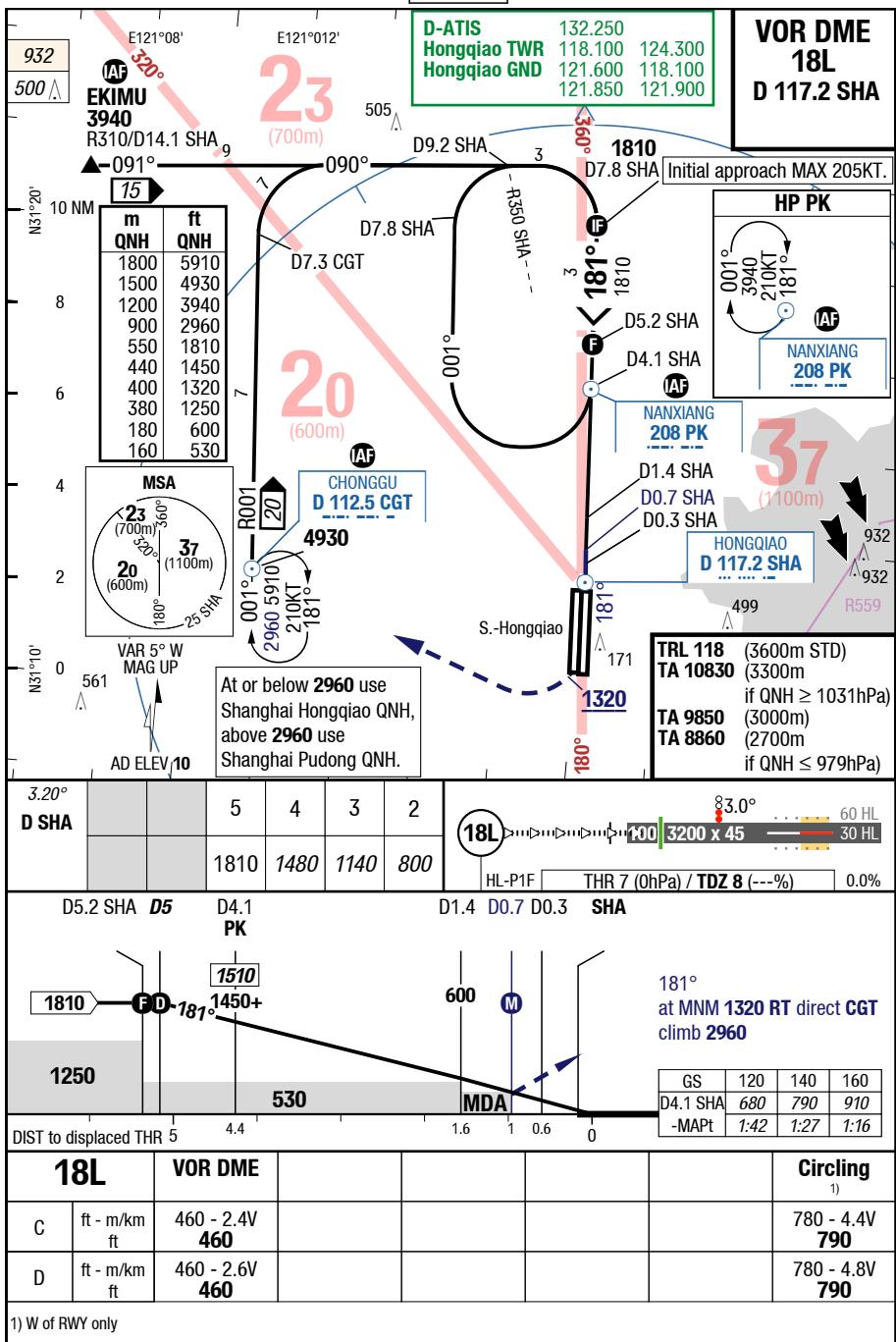
Changes: Nil

17-AUG-2017

SHA-ZSSS

7-90

VOR DME 18L



1) W of RWY only

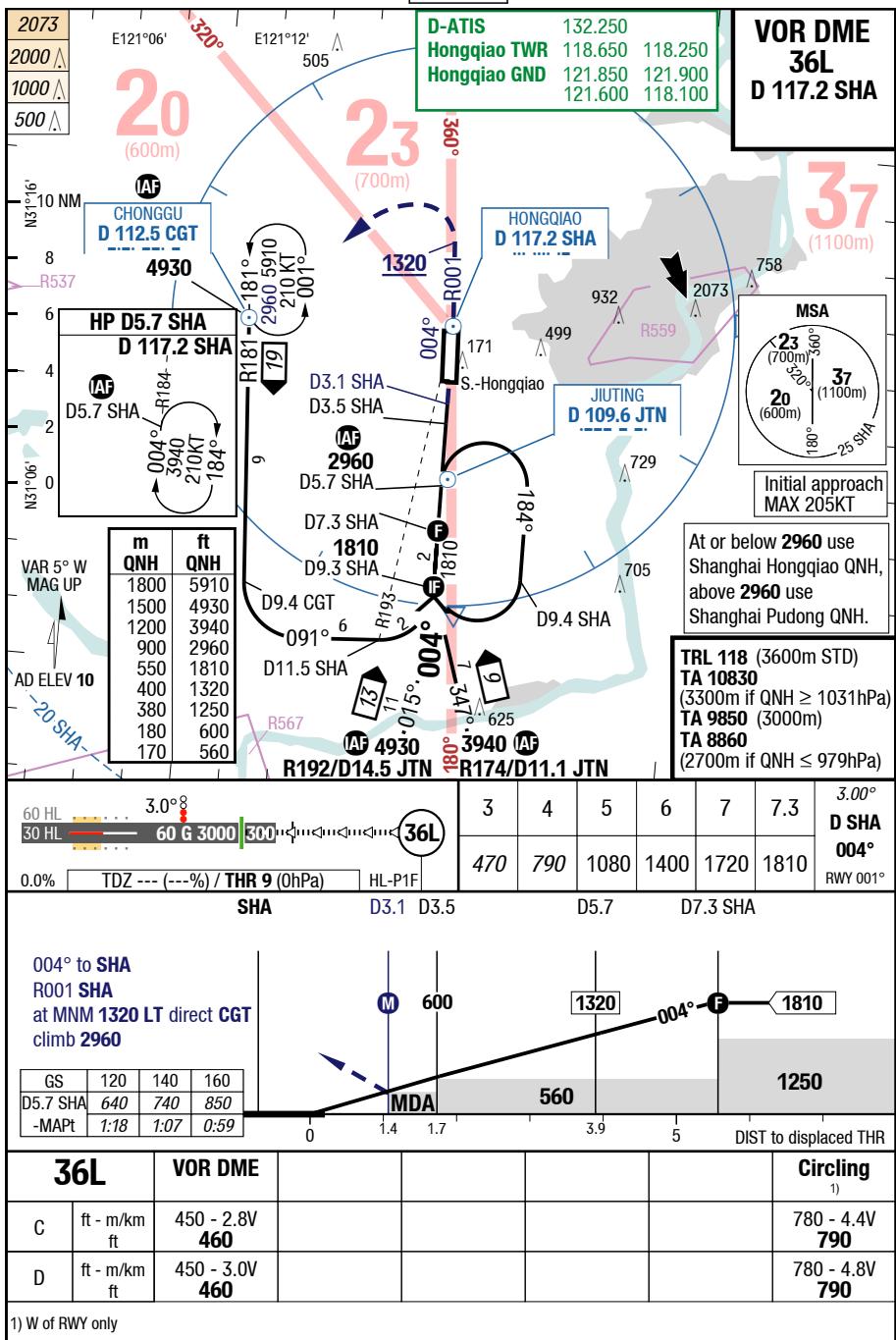
Changes: ALT, APL, MM, OBST, OM

17-AUG-2017

SHA-ZSSS

7-100

VOR DME 36L



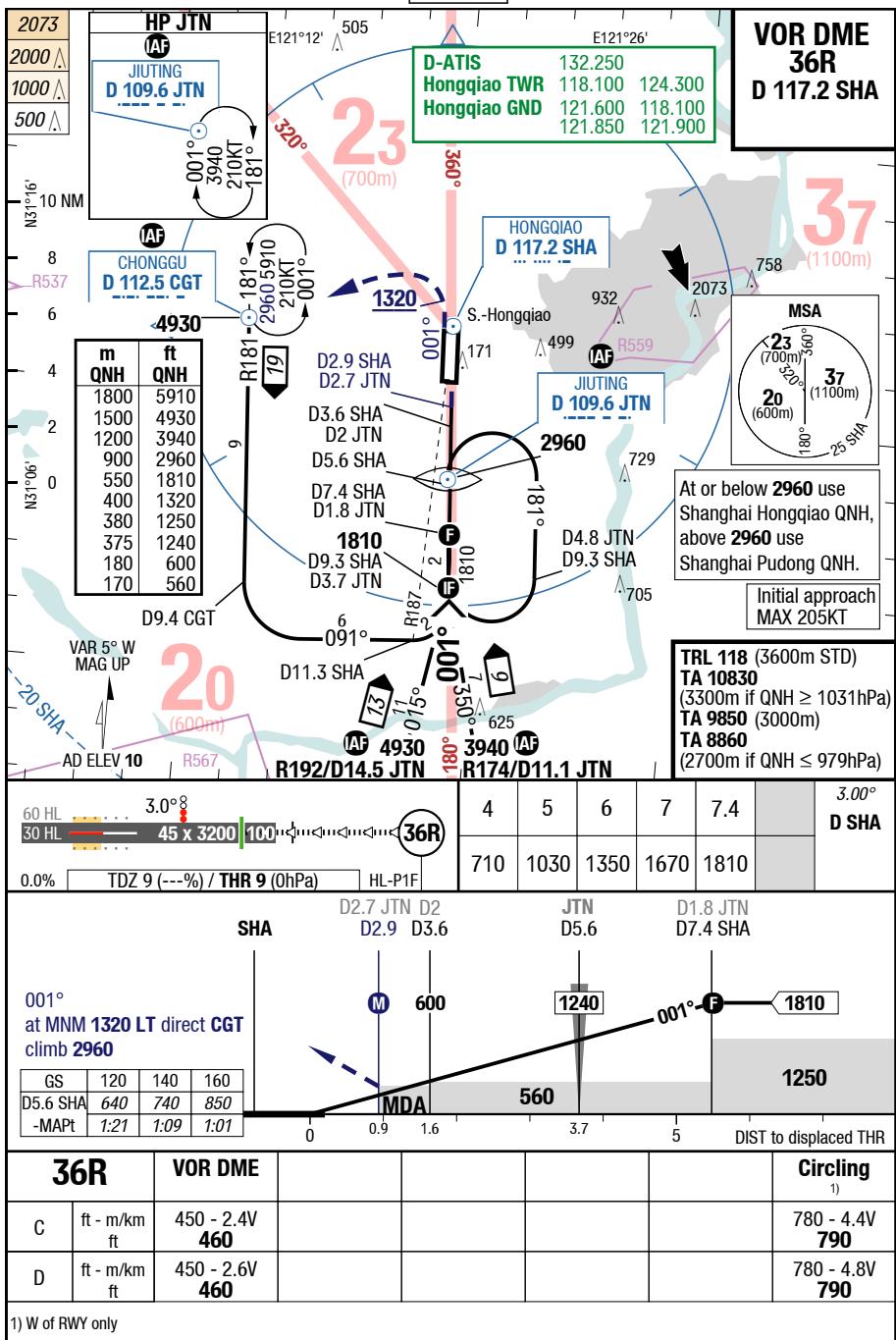
Changes: ALT, APL, OBST

17-AUG-2017

SHA-ZSSS

7-110

VOR DME 36R



Changes: APL, ALT, OBST

Effective 23-JUN-2016

16-JUN-2016

SHA-ZSSS

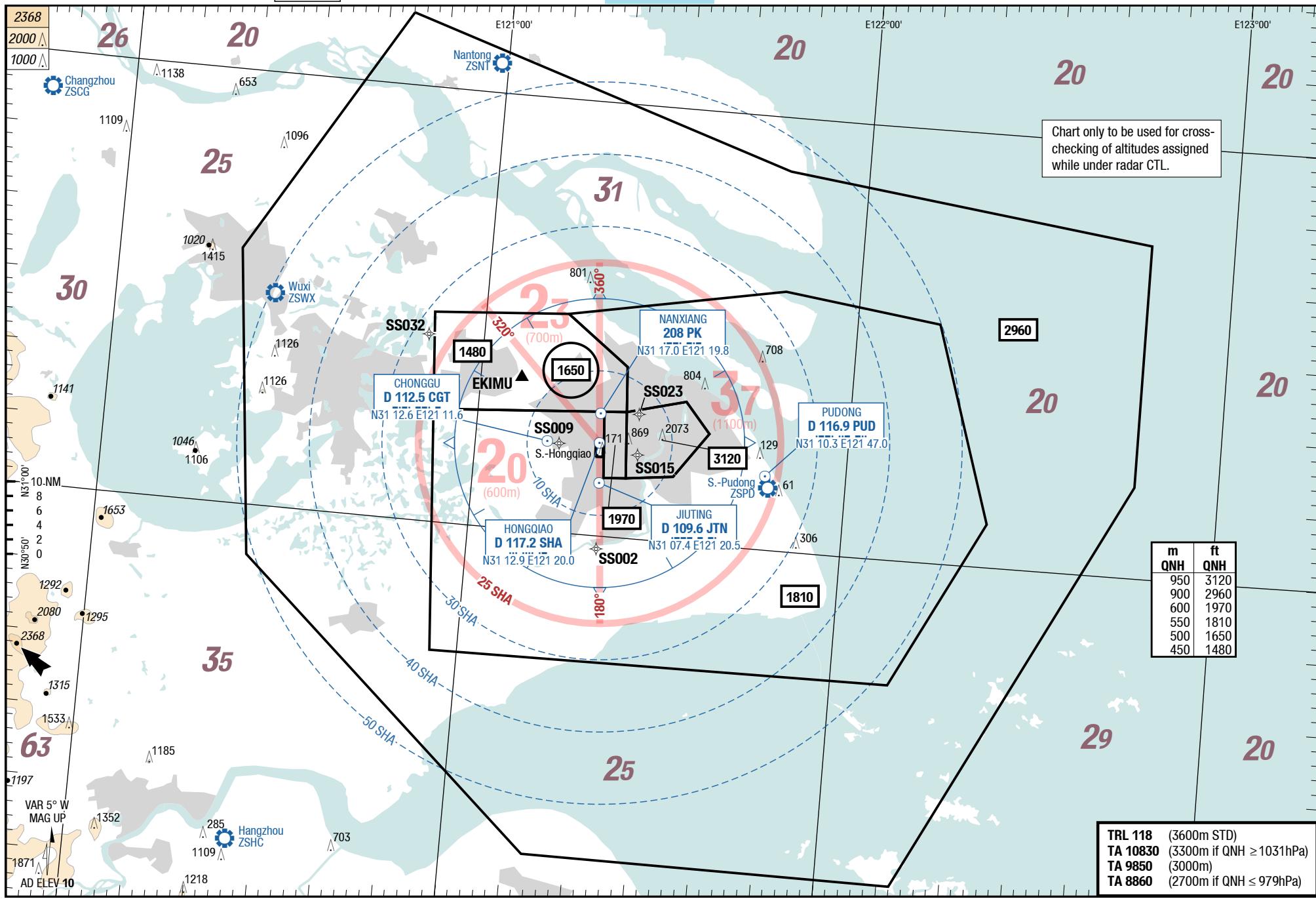
China Shanghai Hongqiao

MRC  
MRC

Hongqiao Shanghai China

MRC  
MRC

8-10



Changes: new