

06-SEP-2018

TAO-ZSQD

1-10

AOI

AOI

GENERAL**Operational Hours****ATS Hours / AD OPS Hours / AD ADMIN Hours:** H24**Airport Information****RFF:** CAT 9**Fuel:** Nr. 3 Jet fuel**PCN:** RWY 17/35: 81/R/B/W/T**Operation****Traffic Note**

AD approved for MAX B747-8 ACFT.

TWY Restriction

| TWY A2, A3, A5, B and D (east of TWY A) MAX wingspan below 65m / 213ft.

TWY D (west of TWY A) MAX wingspan below 52m / 171ft.

| TWY A6, A7 MAX wingspan below 36m / 118ft.

Vacating RWY via TWY D prohibited between 2300-1559.

Taxi/Parking

Marshaller mandatory.

Enter stands 5-23, 25-38, 41-53, 60-66, V1-V9, C1-C7, D1-D7, F1, F2 by follow-me only.

Follow-me and towing service AVBL O/R, except for stands B1-B3.

Stand 43 forbidden to use as taxilane.

Enter stands 17-20 from A6 via L6 only.

TWY A7 AVBL for ACFT to exit stands V4-V9, 41-51 and B1-B3.

TWY A8 AVBL for ACFT with MAX wingspan 29m / 95ft taxiing in stands B1-B3.

No ENG start while towing in progress.

Hot Spots: See separate header "Hot Spots" below.**Warnings**

Birds in vicinity of AD from APR-OCT.

06-SEP-2018

TAO-ZSQD

1-20

AOI

AOI

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

ACFT COM Failure

If radio receiver not AVBL: continue APCH according to following PROC ASAP. If AD not suitable for LDG, pilot decide to return or ALT.

- RWY 35 in use: Fly to XDX in accordance with the last designated ALT (if designated ALT is lower than 1800m / 5906ft then climb to 1800m / 5906ft immediately, if designated ALT is higher than 1800m / 5906ft maintain the designated ALT). After passing XDX, join HLDG PROC, descend to 900m / 2953ft, land in accordance with RWY 35 IAC; if passing XDX at 1800m / 5906ft, land directly in accordance with RWY 35 IAC.
- RWY 17 in use: Fly to TAO in accordance with the last designated ALT (if designated ALT is lower than 1800m / 5906ft then climb to 1800m / 5906ft immediately, if designated ALT is higher than 1800m / 5906ft maintain the designated ALT). After passing TAO, join HLDG PROC, descend to 550m / 1804ft, land in accordance with RWY 17 IAC; if passing TAO at 1800m / 5906ft, land directly in accordance with RWY 35 IAC.

Aerodrome COM Failure:

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

Arrival Procedure**VFR Traffic Pattern**

RWY 17 right-hand circuit; CAT A/B ALT 300m / 984ft, CAT C/D ALT 500m / 1640ft.

DEPARTURE**Take-off Minima**

RWY		35	
All ACFT	ft - m/km	0 - 400R/800V	REDL, HJ only
		0 - 500R/800V	wo LGT, HJ only
		0 - 800R/800V	REDL, HN

RWY		17	
All ACFT	ft - m/km	0 - 400R/800V	REDL, HJ only MM climb gradient 4.0%
		0 - 500R/800V	wo LGT, HJ only MM climb gradient 4.0%
		0 - 800R/800V	REDL, HN MM climb gradient 4.0%
		c920 - 5.0V	If climb gradient less than 4.0%

Departure Procedure**Departure Note**

RWY 17 in use:

DEP ACFT shall keep the upwind to 8NM from TAO VOR/DME at 900m / 2950ft or above. If unable to comply, inform ATC before apply for DLV CLR.

De-Icing

AVBL

Hot Spots**ACFT RWY Incursion "Hot Spots"**

"Hot Spots" are points on the AD surface where RWY/TWY PSN errors have taken place in the past. PSN are flagged on the AGC. For information only, not to be construed as ATC instructions.

HOT SPOT No.	DESCRIPTION
HS 1, HS 2	ACFT taxiing from APN will be instructed to hold short of ILS protected area outside RWY holding PSN when RWY 17/35 is in use. In this case ACFT shall not proceed beyond RWY holding PSN without ATC CLR.
HS 3	ACFT exiting out of APN via TWY A, B and A2 shall pay attention to ATC holding or taxiing instructions before entering this area.
HS 4	ACFT taxiing on main TWY A shall pay attention to ATC holding or taxiing instructions before entering this area.
HS 5	ACFT exiting out of APN via TWY A6, A7 shall pay attention to ATC holding or taxiing instructions before entering this area. ACFT taxiing into stand B1-B3 via main TWY A shall use TWY A8 only. Pay attention to avoid taxiing into APN from TWY A7 by mistake. ACFT taxiing via main TWY A shall pay attention to ATC instructions for holding or taxiing before entering this area.
HS 6	Stand 5 and 7 are mainly used for heavy ACFT. AD service lane are between stand 5 and 7. ACFT shall pay attention to ATC holding or taxiing instructions before entering this area and keep observing.
HS 7	Stand 16-20 located at TWR blind area. ACFT shall pay attention to ATC holding or taxiing instructions before entering this area and keep observing.

TAO-ZSQD

2-10

AFC  **AFC**  **AFC** 

Liuting Qingdao China

D-ATIS 127.200

APP 119,400 AP01

121,150 AP02, by ATC

124,600 AP02, by ATC

124,600 AP03, by ATC

124,775 AP03, by ATC

124,300

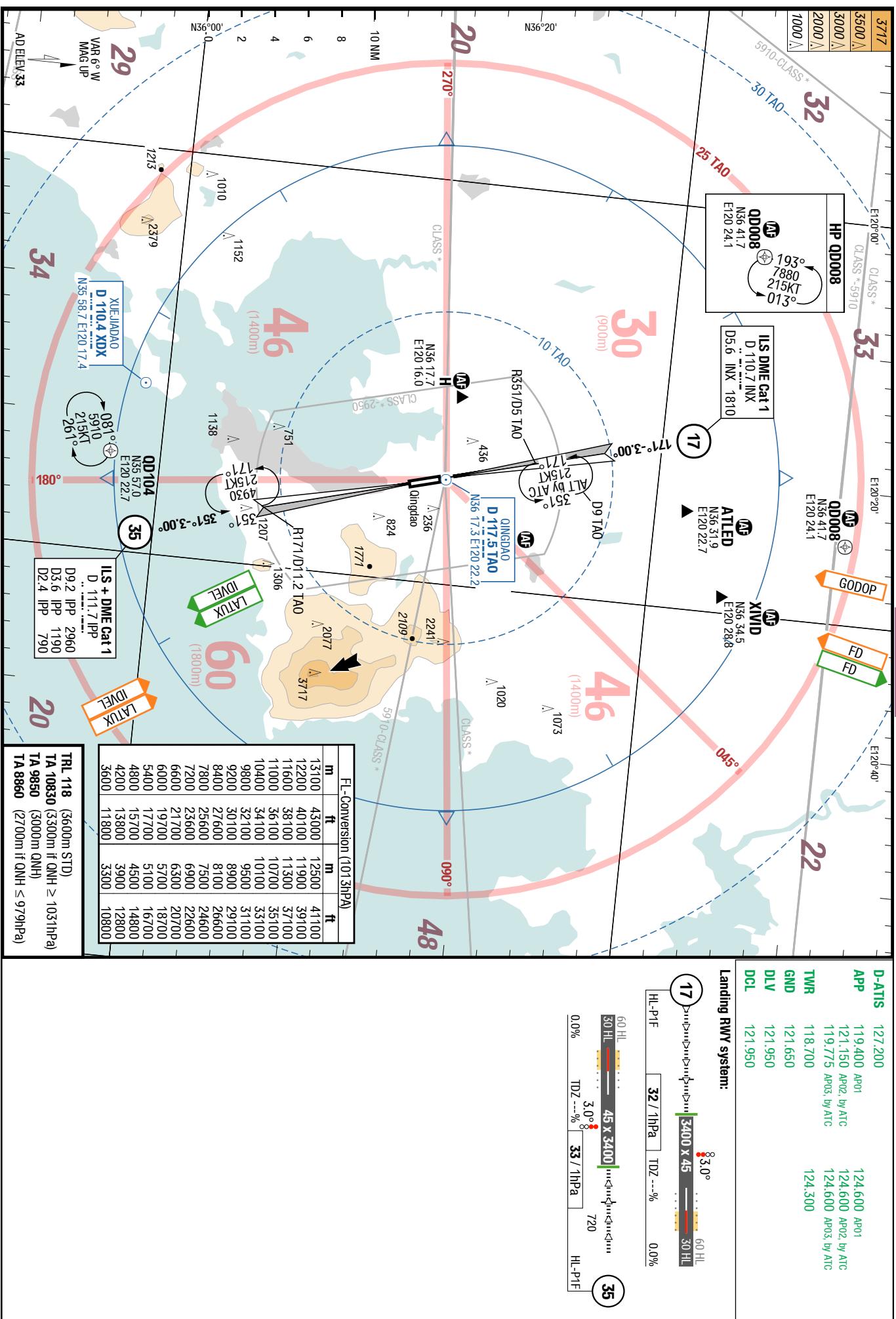
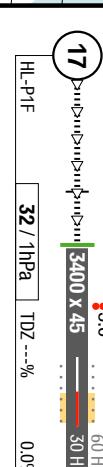
TWR 118,700

GND 121,650

DLV 121,950

DCL 121,950

Landing RWY system:



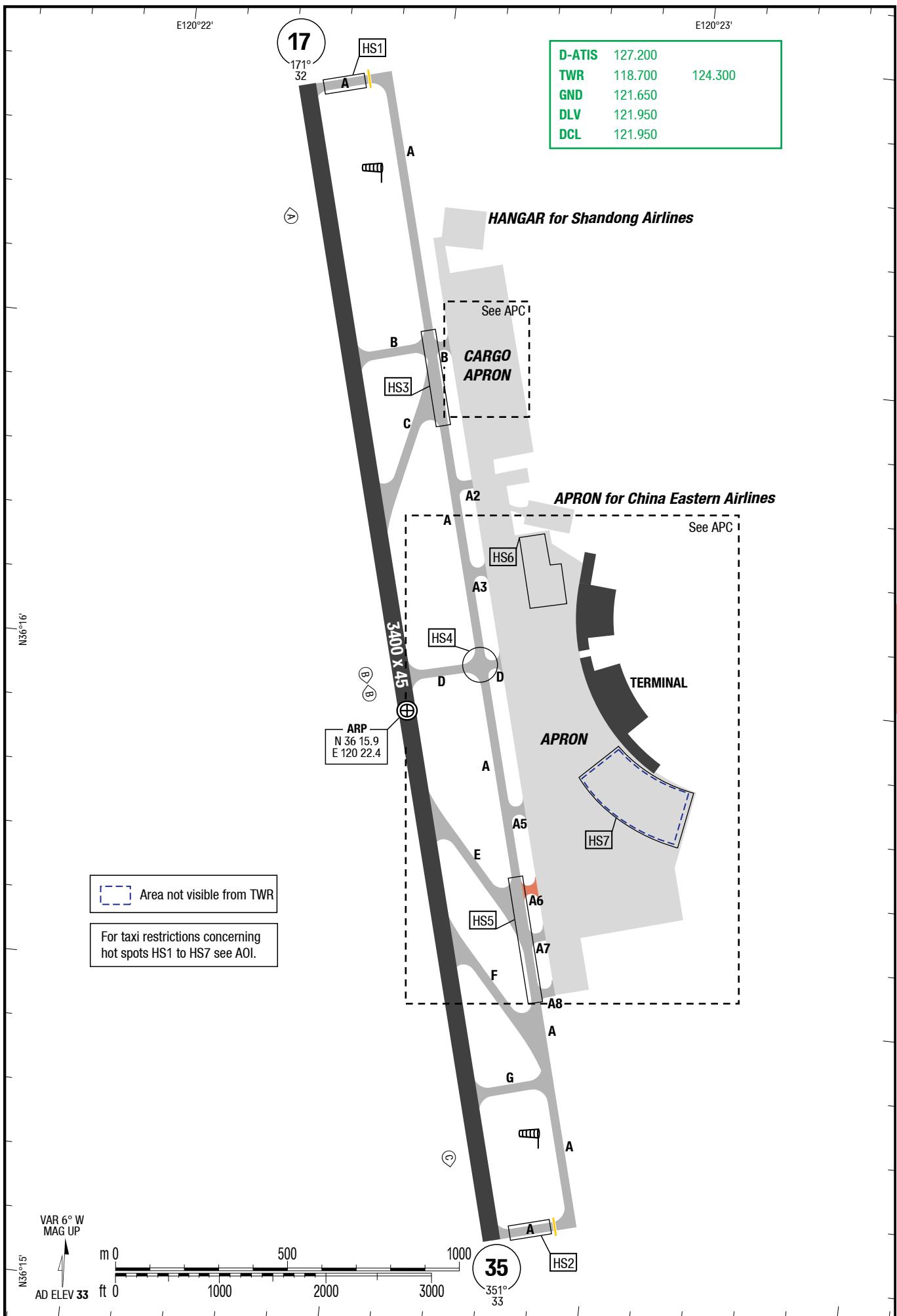
Changes: Nil

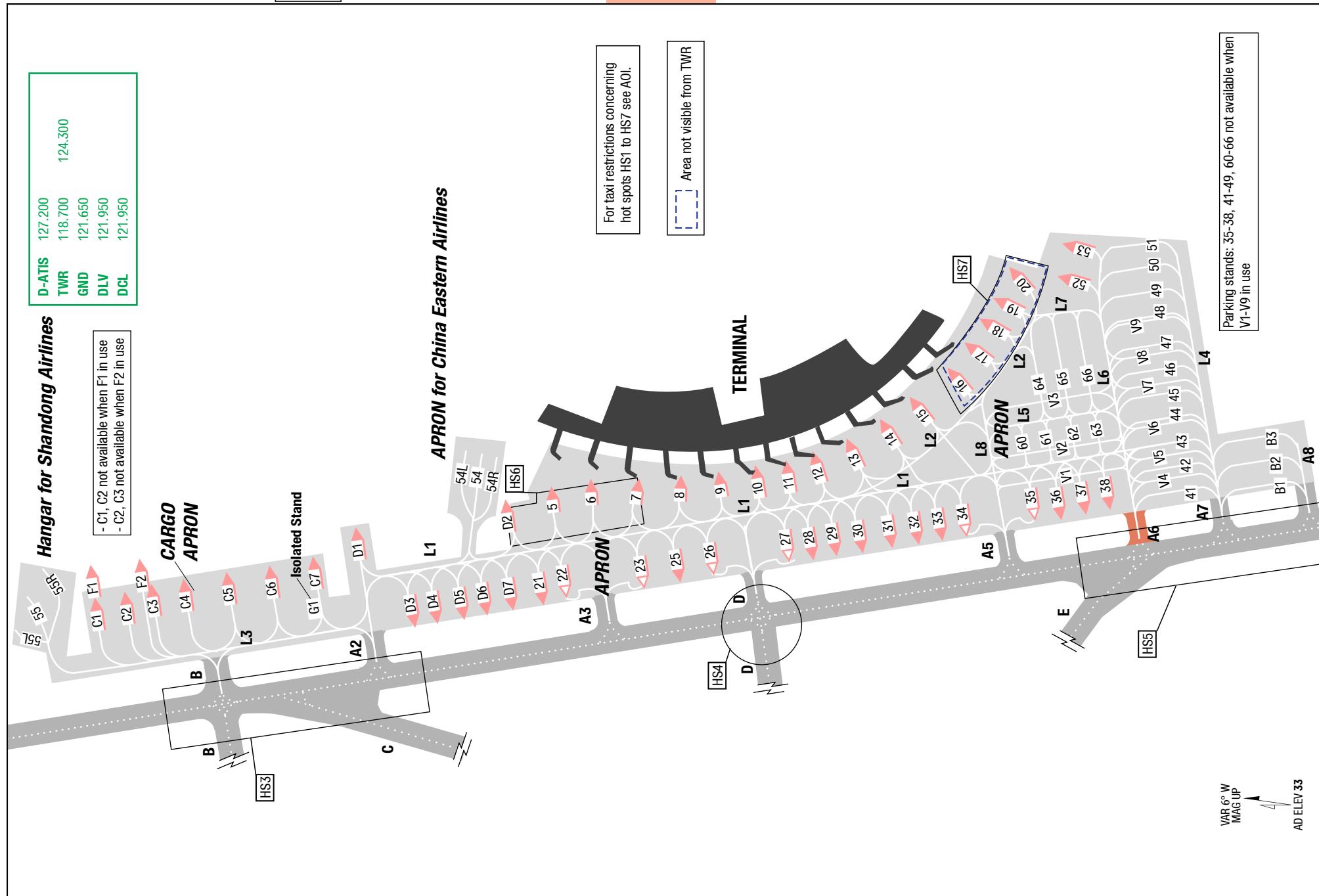
3-20

China Qingdao Liuting

Liuting
AGC

Liuting Qingdao China



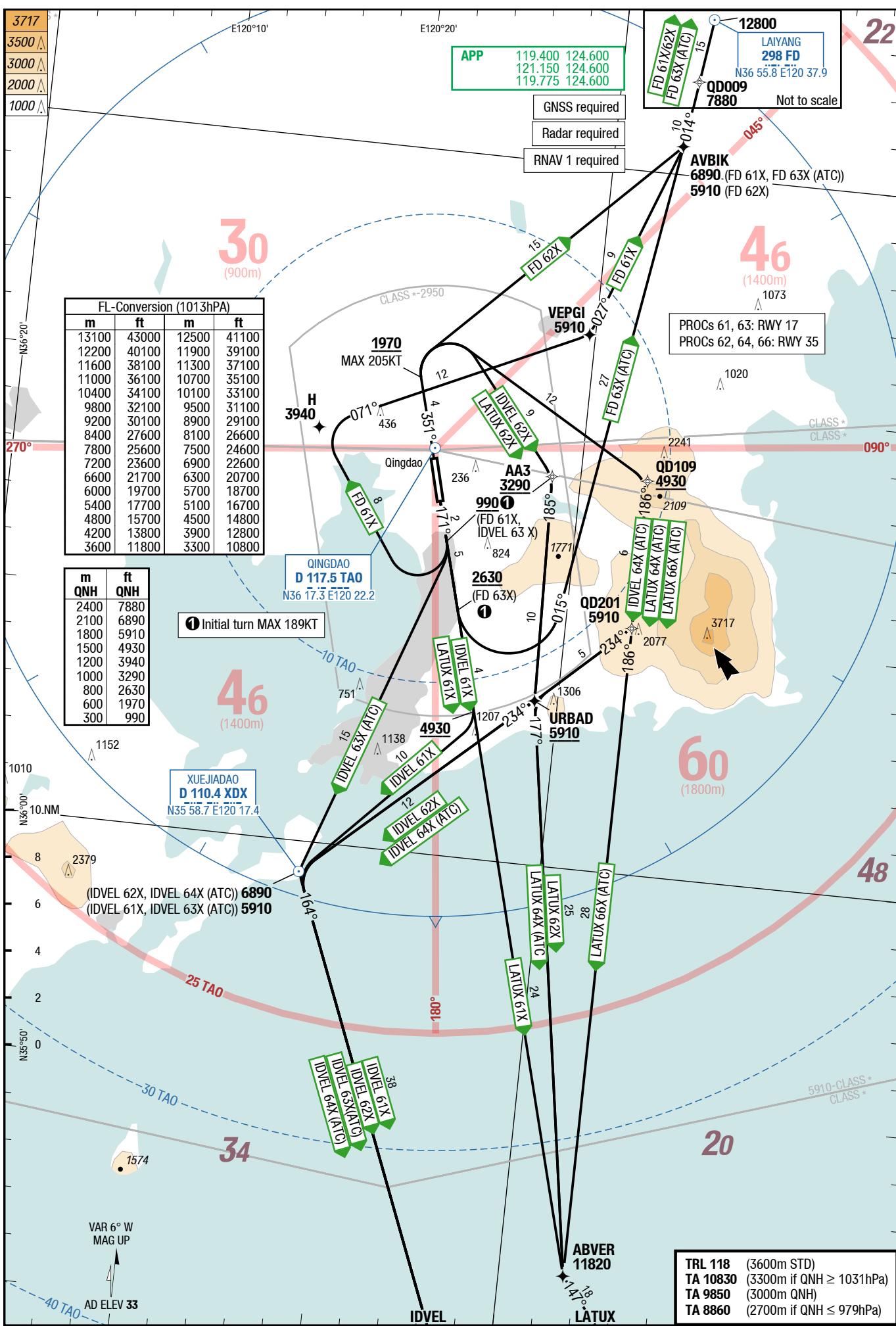


TAO-ZSQD

4-10

China Qingdao Liuting
 RNAV SID
 SID
 SID
 RNAV SID

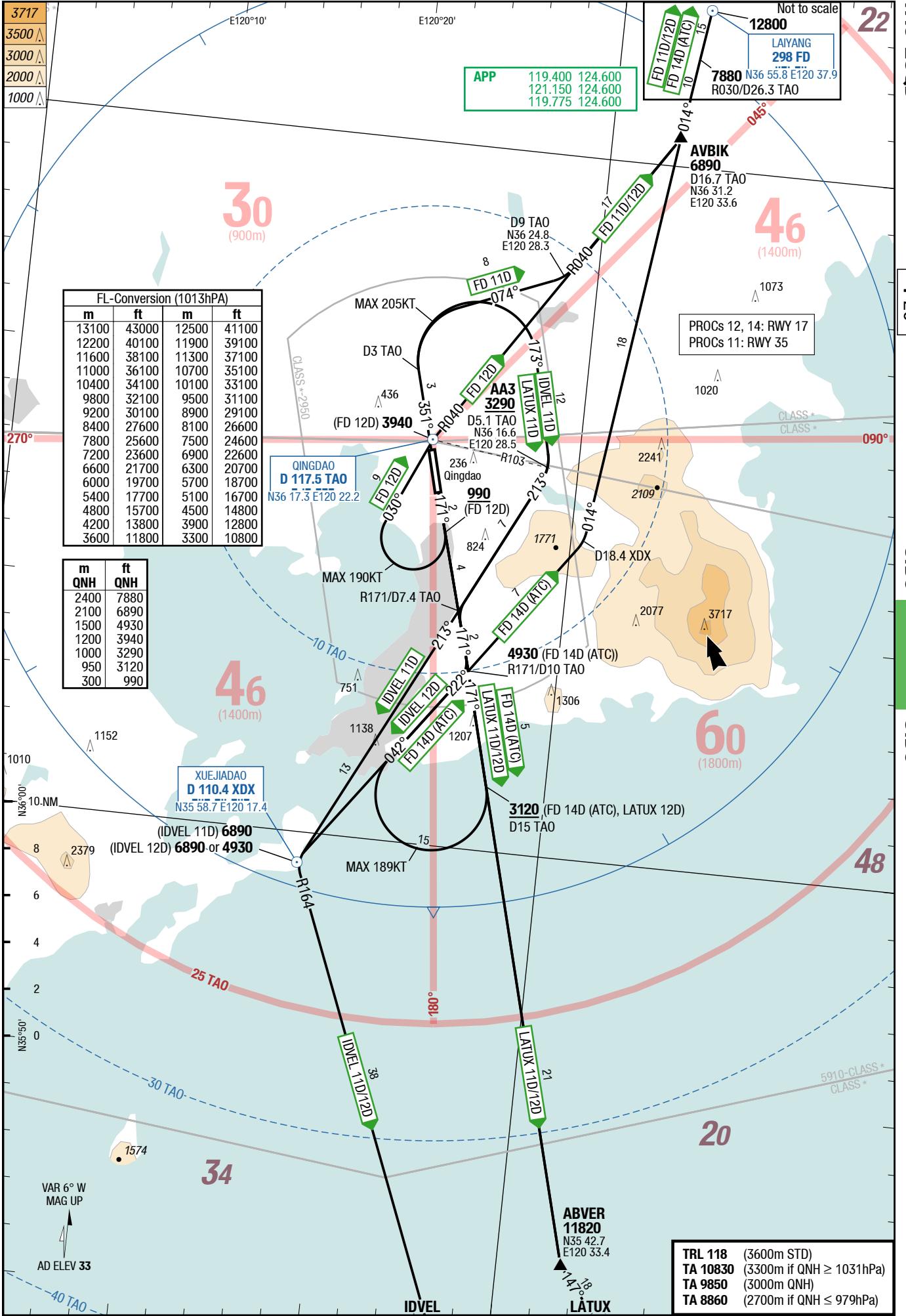
Liuting Qingdao China
 RNAV SID
 RNAV SID



China Qingdao Liuting

SIDs SID SID

Liuting Qingdao China



TAO-ZSQD

5-10

RNAV SIDs

FD 61X / FD 63X / IDVEL 61X / IDVEL 63X / LATUX 61X / FD 62X / IDVEL 62X / IDVEL 64X / LATUX 62X
RWYs 17 (171°) / 35 (351°)

	GS	120	150	180	210	240	270
4.0%	ft/MIN	500	700	800	900	1000	1100
4.9%	ft/MIN	600	800	900	1100	1200	1400

DESIGNATOR	ROUTING	ALTITUDES
Runway 17		
FD 61X 4.0% to 990 119.400	[A990+ ;K189- ;R] - H - VEPGI - AVBIK - QD009 - FD	H at 3940 VEPGI at 5910 AVBIK at 6890 QD009 at 7880 FD at 12800
FD 63X 4.9% to 2630 (ATC) 119.400	[A2630+ ;K189- ;L] - AVBIK - QD009 - FD	AVBIK at 6890 QD009 at 7880 FD at 12800
IDVEL 61X 4.0% to 4930 119.400	[A4930+ ;R] - XDX - IDVEL	XDX at 5910
IDVEL 63X 4.0% to 990 (ATC) 119.400	[A990+ ;K189- ;R] - XDX - IDVEL	XDX at 5910
LATUX 61X 4.0% to 4930 119.400	[A4930+] - ABVER - LATUX	ABVER at 11820
Runway 35		
FD 62X 119.400	[A1970+ ;K205- ;R] - AVBIK - QD009 - FD	AVBIK at 5910 QD009 at 7880 FD at 12800
IDVEL 62X 119.400	[A1970+ ;K205- ;R] - AA3 - URBAD - XDX - IDVEL	AA3 MNM 3290 URBAD MNM 5910 XDX at 6890
IDVEL 64X (ATC) 119.400	[A1970+ ;K205- ;R] - QD109 - QD201 - URBAD - XDX - IDVEL	QD109 MNM 4930 QD201 at 5910 URBAD MNM 5910 XDX at 6890
LATUX 62X 119.400	[A1970+ ;K205- ;R] - AA3 - URBAD - ABVER - LATUX	AA3 MNM 3290 URBAD MNM 5910 ABVER at 11820

TAO-ZSQD

5-20

RNAV SIDs

LATUX 64X / LATUX 66X

RWY 35 (351°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 35		
LATUX 64X (ATC) 119.400	[A1970+ ;K205- ;R] - QD109 - QD201 - URBAD - ABVER - LATUX	QD109 MNM 4930 QD201 at 5910 URBAD MNM 5910 ABVER at 11820
LATUX 66X (ATC) 119.400	[A1970+ ;K205- ;R] - QD109 - QD201 - ABVER - LATUX	QD109 MNM 4930 QD201 at 5910 ABVER at 11820

TAO-ZSQD

5-30

SIDs

FD 12D / FD 14D / IDVEL 12D / LATUX 12D / FD 11D / IDVEL 11D / LATUX 11D

RWYs 17 (171°) / 35 (351°)

	GS	120	150	180	210	240	270
4.0%	ft/MIN	500	700	800	900	1000	1100

DESIGNATOR	ROUTING	ALTITUDES
Runway 17		
FD 12D 4.0% 119.400	No procedure text published	TAO at 3940 AVBIK at 6890 R030/D26.3 TAO at 7880 FD at 12800
FD 14D 4.0% (ATC) 119.400	No procedure text published	D15 TAO MNM 3120 R171/D10 TAO at 4930 AVBIK at 6890 R030/D26.3 TAO at 7880 FD at 12800
IDVEL 12D 4.0% 119.400	No procedure text published	XDX at 6890 or at 4930
LATUX 12D 4.0% 119.400	No procedure text published	D15 TAO MNM 3120 ABVER at 11820
Runway 35		
FD 11D 119.400	No procedure text published	AVBIK at 6890 R030/D26.3 TAO at 7880 FD at 12800
IDVEL 11D 119.400	No procedure text published	AA3 MNM 3290 XDX at 6890
LATUX 11D 119.400	No procedure text published	AA3 MNM 3290 ABVER at 11820

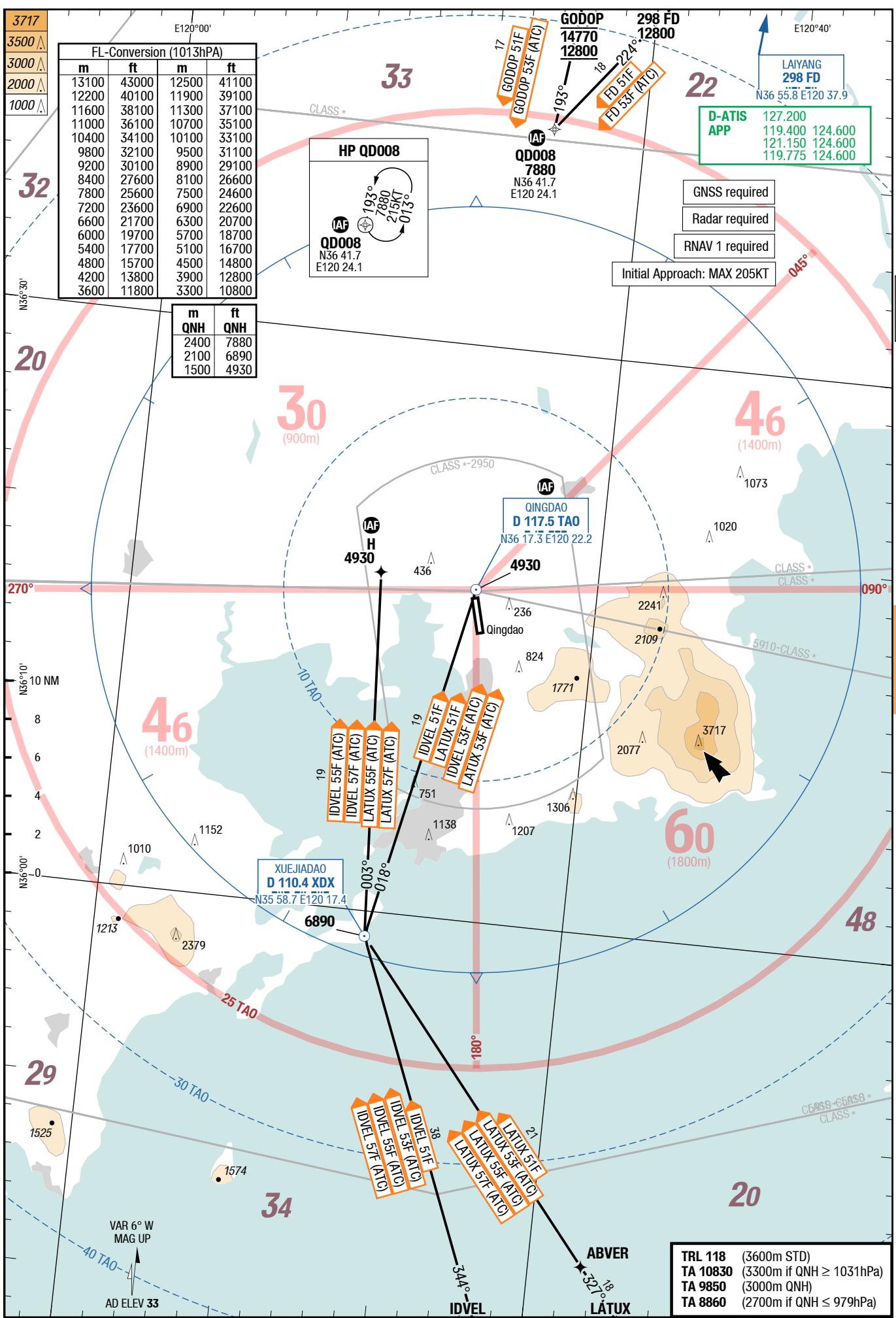
Effective 02-MAR-2017

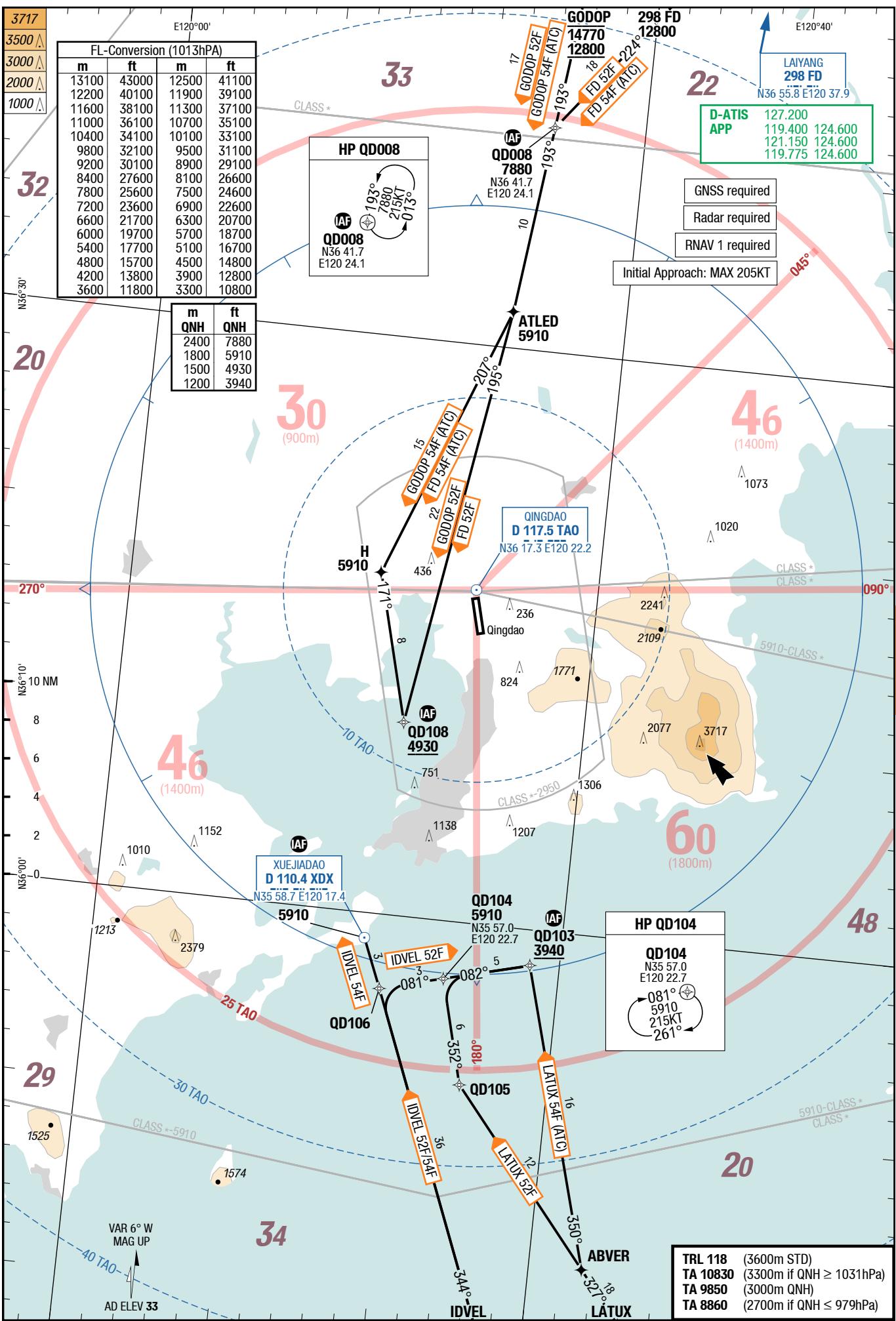
TAO-ZSQD

China Qingdao Liuting
RNAV STARS RWY 35

STAR

Liuting Qingdao China
RNAV STARS RWY 35





Effective 02-MAR-2017

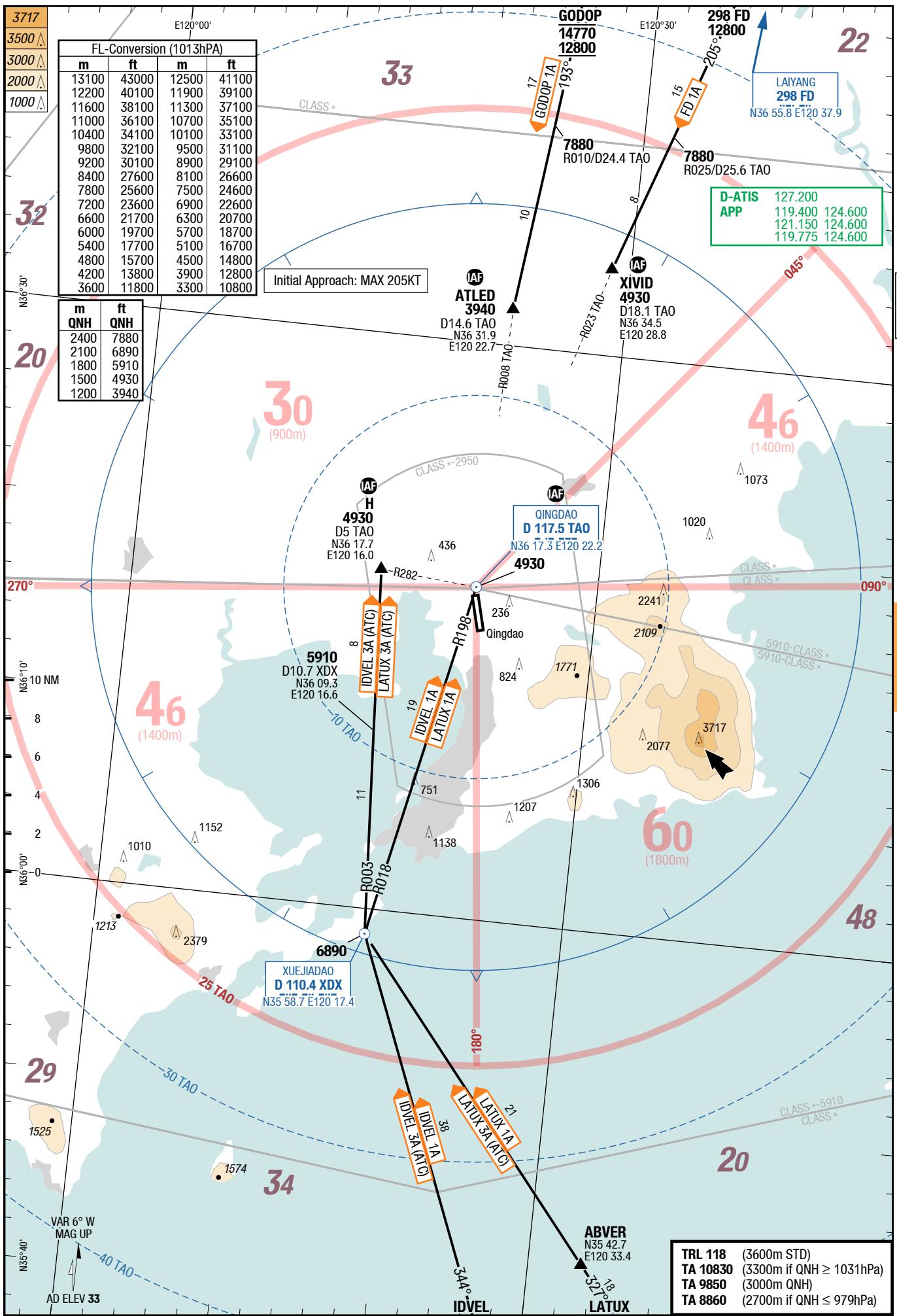
TAO-ZSQD

6-30

China Qingdao Liuting
STARs RWY 35

STAR

Liuting Qingdao China
STARS RWY 35



Effective 02-MAR-2017

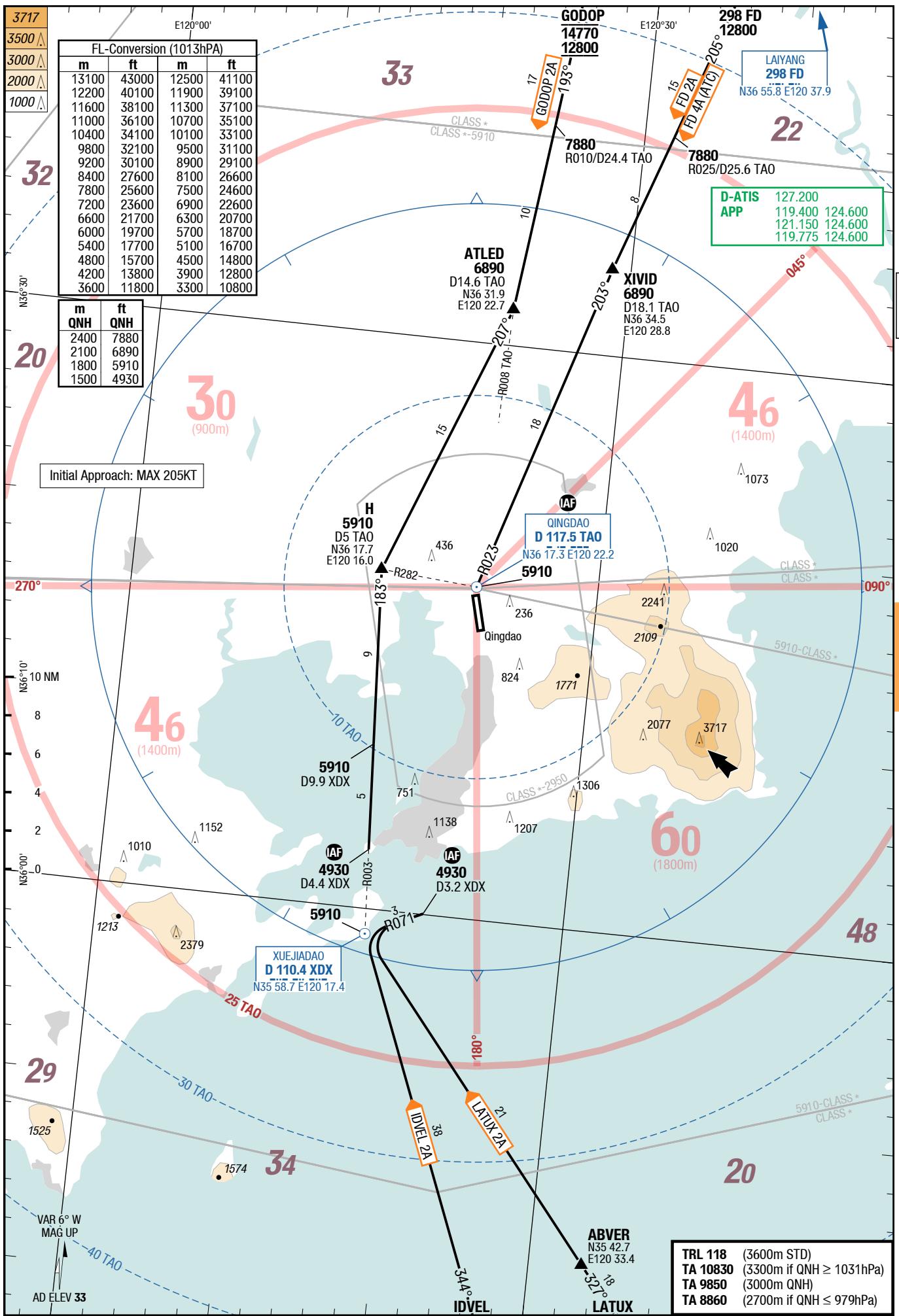
TAO-ZSQD

6-40

China Qingdao Liuting
STARS RWY 35

STAR

Liuting Qingdao China
STARS RWY 35



Effective 20-AUG-2015

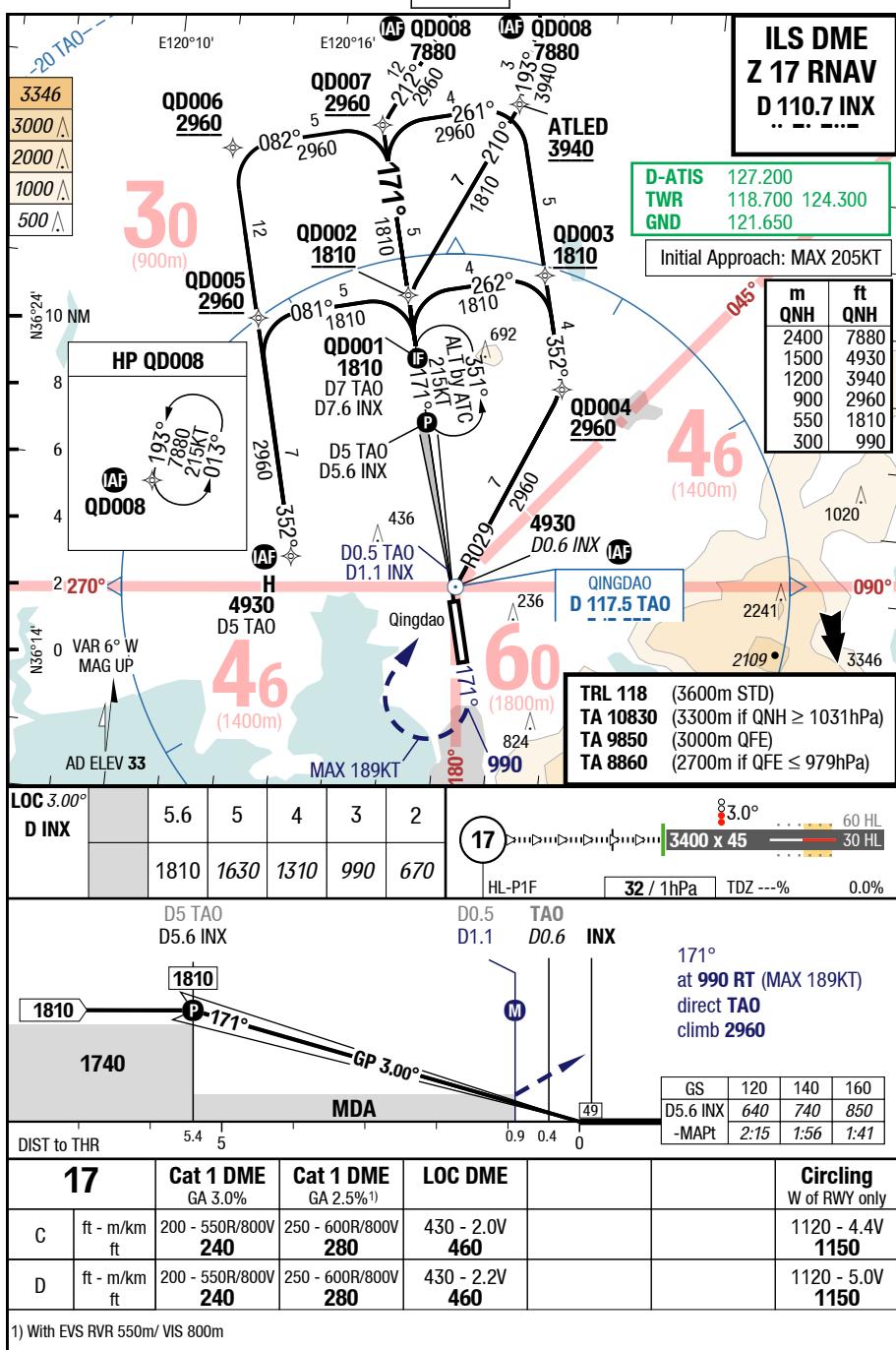
13-AUG-2015

China Qingdao Liuting

TAO-ZS0D

7-10

ILS DME Z 17 RNAV



1) With EVS RVR 550m/ VIS 800m

Effective 20-AUG-2015

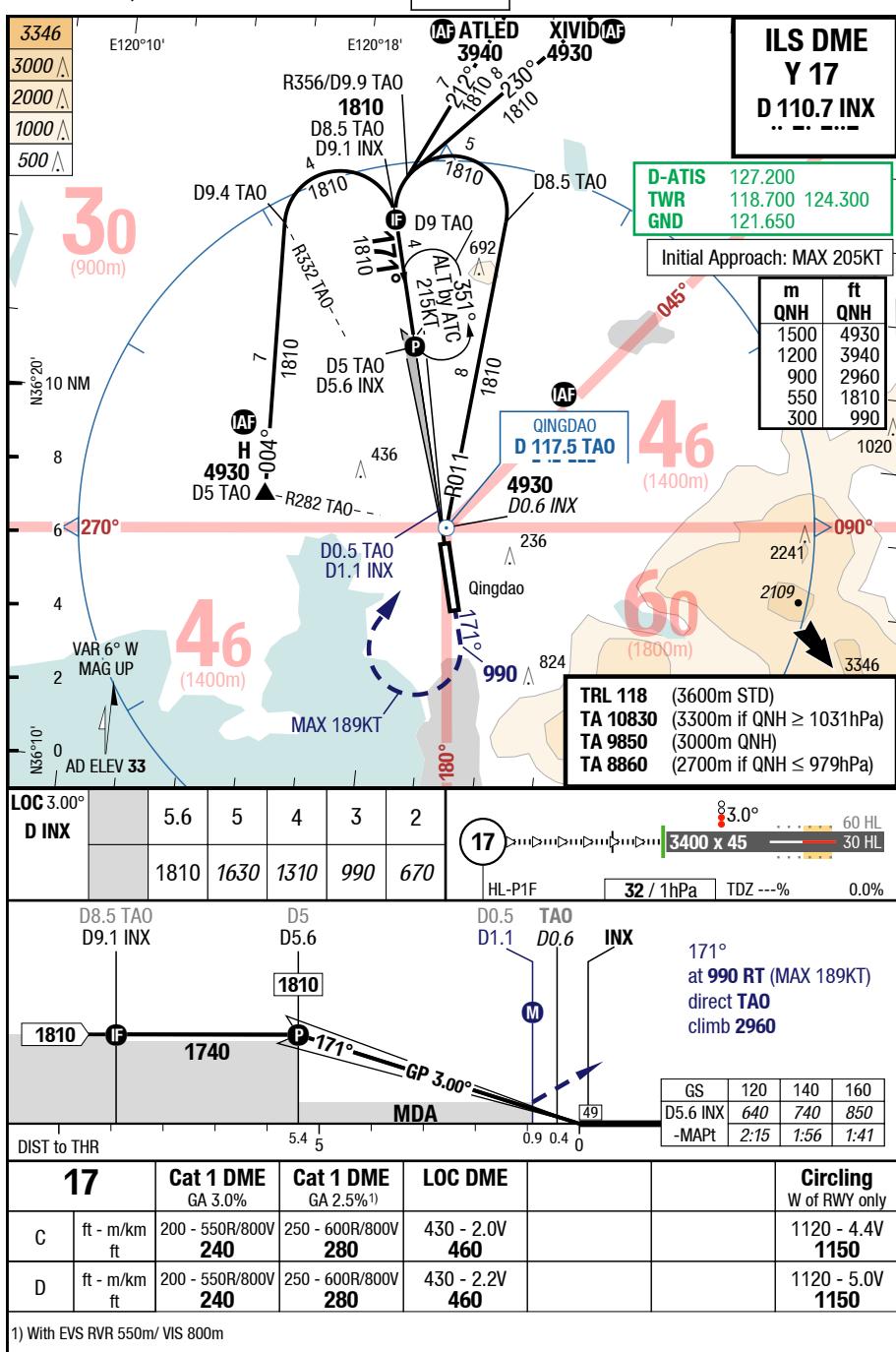
13-AUG-2015

China Qingdao Liuting

TAO-ZSOD

7-20

ILS DME Y 17

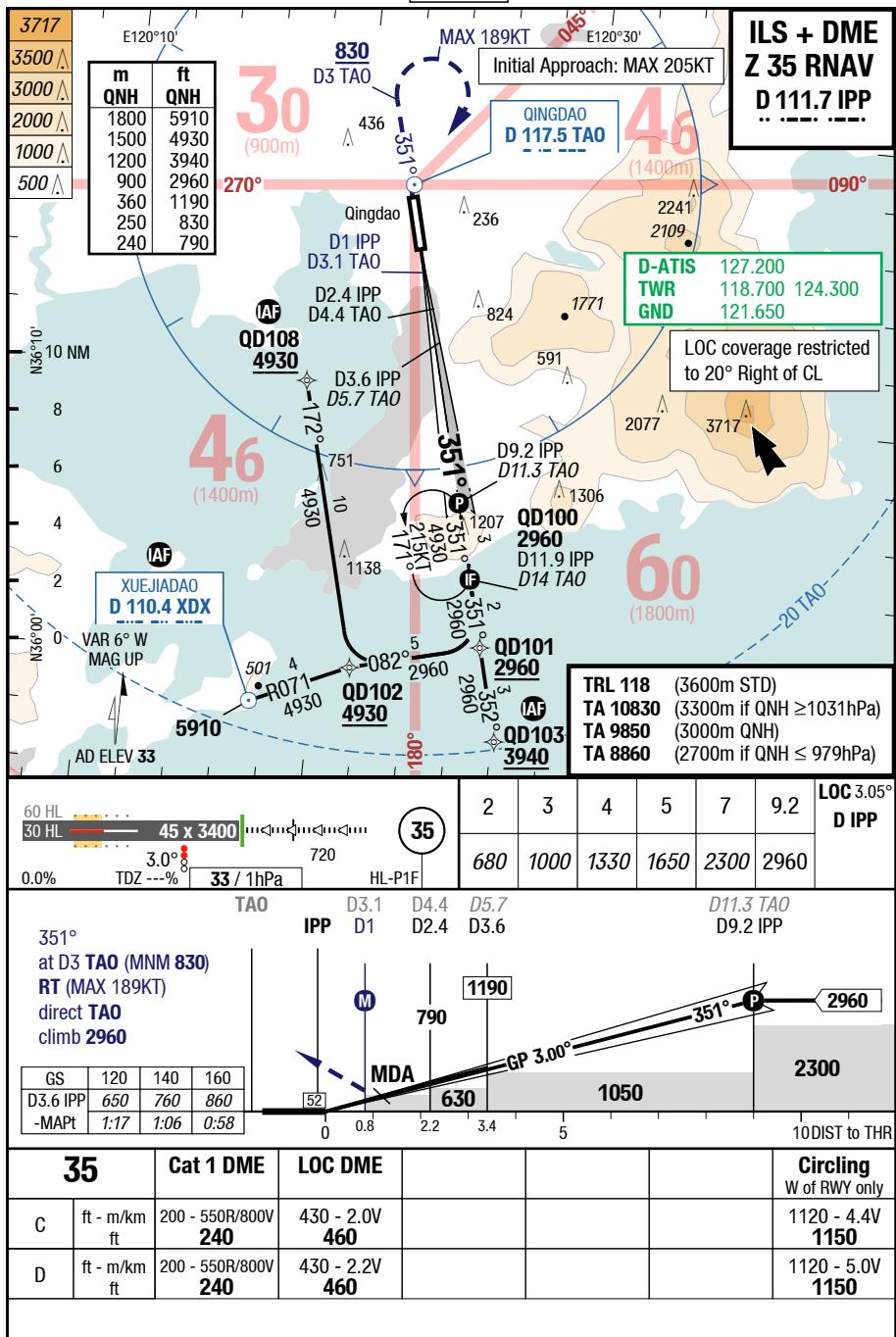


1) With EVS RVR 550m/ VIS 800m

TAO-ZSQD

7-30

ILS + DME Z 35 RNAV

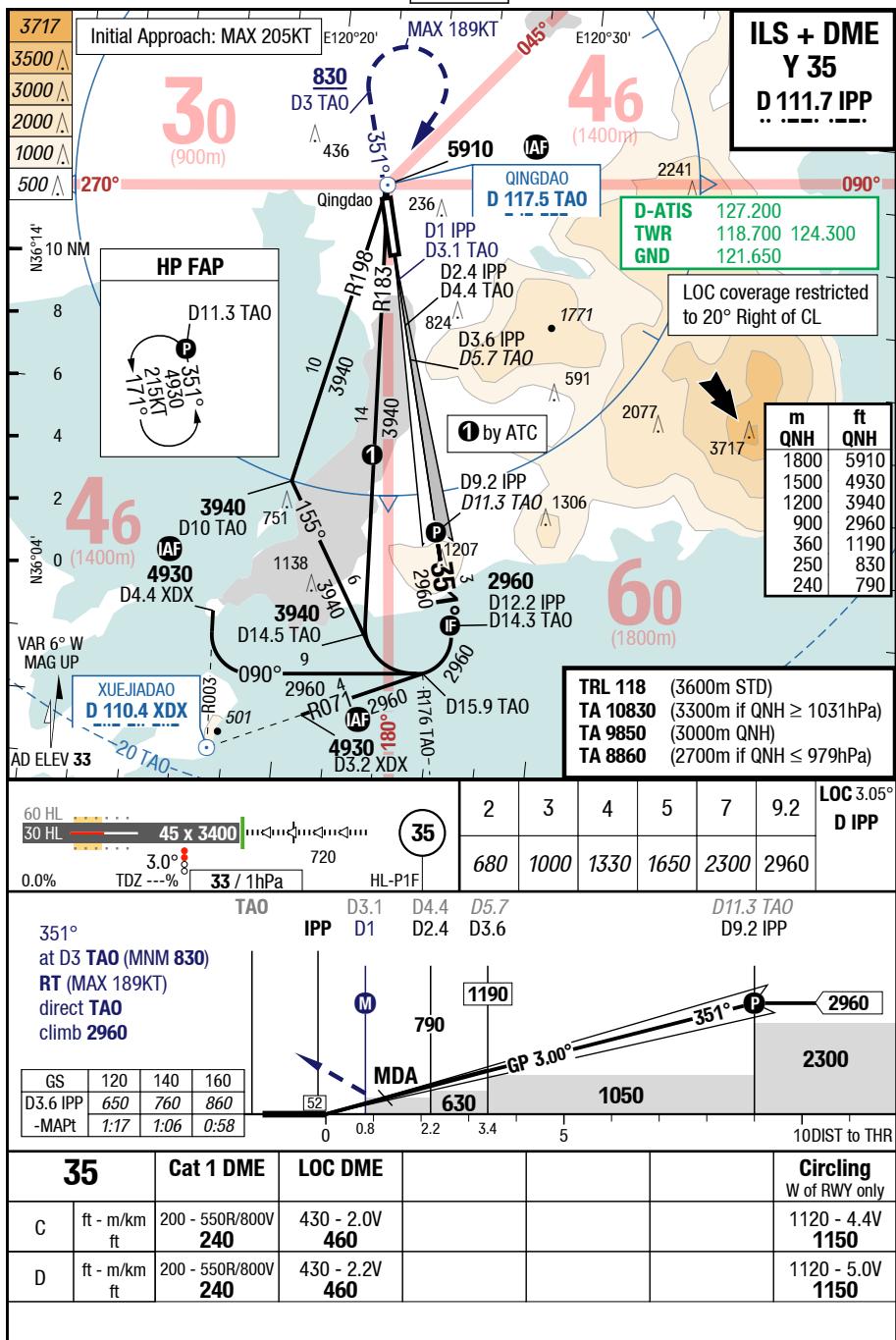


Changes: Note

TAO-ZS0D

7-40

ILS + DME Y 35

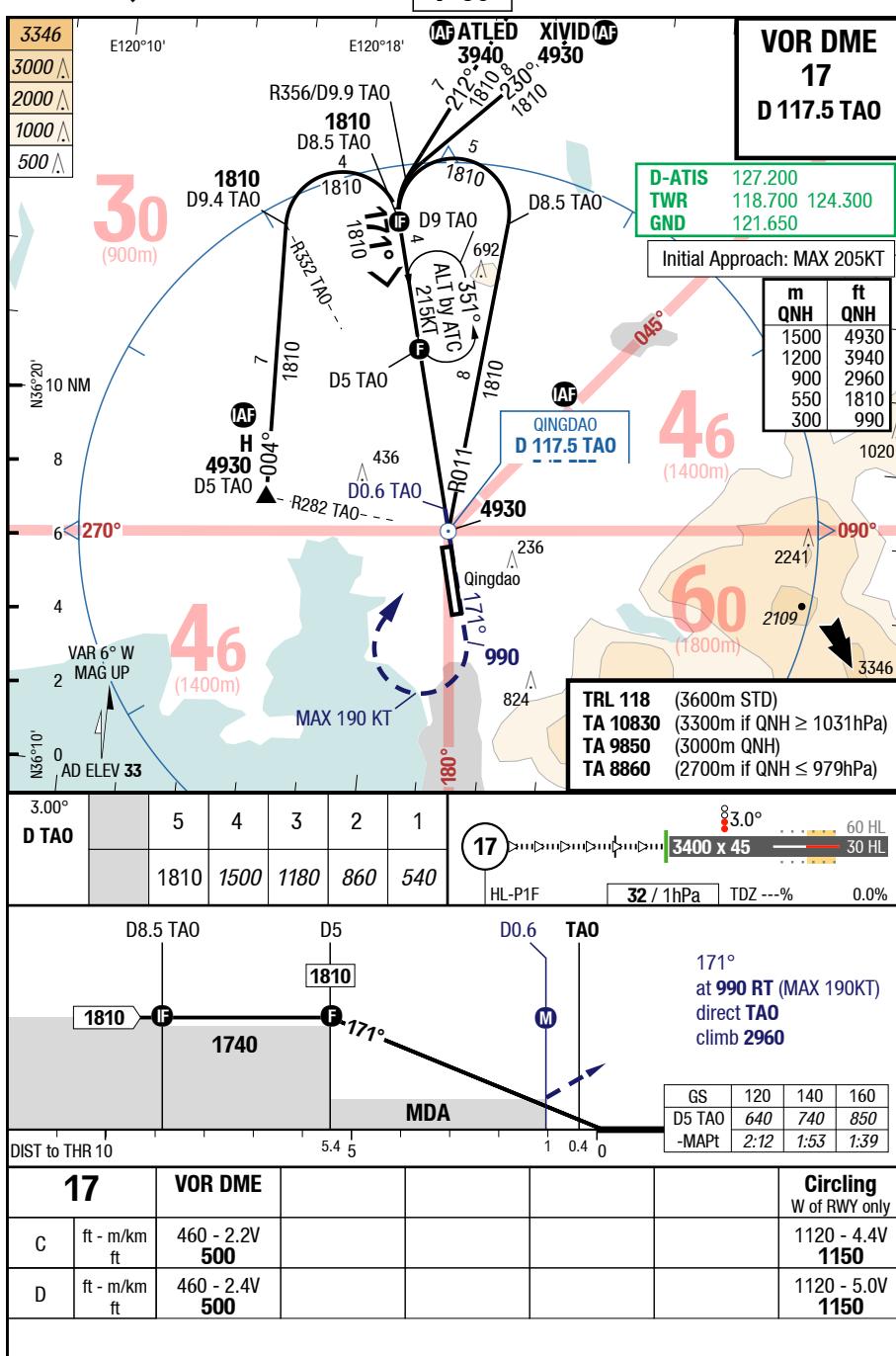


21-MAY-2015

TAO-ZSQD

7-50

VOR DME 17



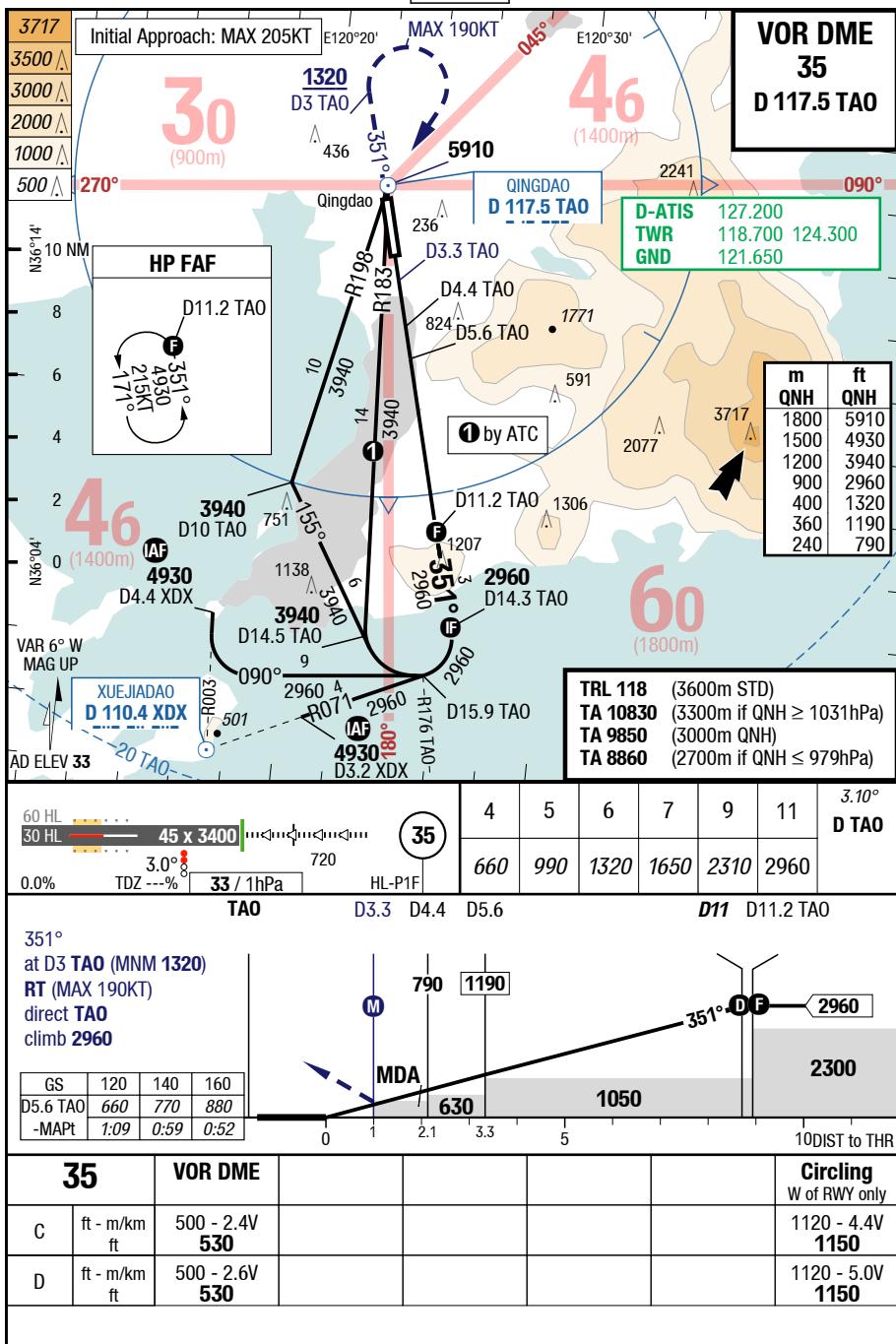
Changes: OBST

21-MAY-2015

TAO-ZSQD

7-60

VOR DME 35



Changes: OBST