

02-AUG-2018

KWI-OKBK

1-10

AOI

AOI

GENERAL**Operational Hours****ATS Hours:** H24**AD ADMIN Hours:** SUN-THU 0400-1100**Night Restriction:** Non noise certificated ACFT operations restricted daily between 1830-0530.**Airport Information****RFF:** CAT 9**PCN:** RWY 15R/33L: 61/R/B/W/T

RWY 15L/33R: 62/F/A/W/T

Operation**TWY Restrictions**

TWY W8, W10 MAX code letter D ACFT and MAX wingspan 52m / 171ft.

TWY W-7 used only for stands 36, 37, 38, 39.

TWY W1 extended north up to abeam stand 79.

Taxi/Parking

Visual Docking Guidance System (SAFEGATE) AVBL at stands 1-5, 21, 22, 24-26, 31-35, 63-67 and 71-79.

Warning

Radio sonde launched daily: 0001 and 1200.

Pilot balloon launched daily: 0600 and 1800.

Dust storms prevalent from MAR to JUL inclusive.

ARRIVAL**Arrival Procedure****VFR Traffic Pattern**

RWY 15R and 33R right-hand circuit.

Non-standard GP intercept position on**RWY 15L**

GP intercepts RWY 15L at 320m / 1049ft after landing threshold.

Remaining LDG DIST beyond GP is 3180m / 10434ft.

RWY 15R

GP intercepts RWY 15R at 326m / 1069ft after landing threshold.

Remaining DIST beyond GP is 3074m / 10086ft.

RWY 33L

GP intercepts RWY 33L at 326m / 1069ft after landing threshold.

Remaining DIST beyond GP is 3074m / 10086ft.

RWY 33R

GP intercepts RWY 33R at 326m / 1069ft after landing threshold.

Remaining DIST beyond GP is 3174m / 10414ft.

Warning

Lighted highway 400m from and parallel to RWY 33R/15L CL east of AD, may be mistaken for mentioned RWY in bad VIS.

DEPARTURE

Take-off Minima

RWY		15L/33R, 15R/33L	
A, B, C	ft - m/km	0 - 150R	-
D		0 - 200R	-

Communication

COM Failure

In VMC: Continue to fly in VMC and land at the nearest suitable AD.

In IMC: Maintain last assigned LVL for 3min after departure. Thereafter continue according to current FPL by routing direct to the first en-route reporting point and climbing to the last acknowledged en-route FL cleared by ATC.

If ACFT is equipped with satellite and/or mobile phone contact:

- Kuwait ACC: +965 247 629 94
- Kuwait TWR: +965 247 100 88

Departure Procedure

Start-up/Push-back

| Contact DLV 10min prior start-up CLR REQ.

All pilots upon start-up are requested to advise DLV of their final requested FL if deviated from their original FPL.

In case of engine ground run at the gate:

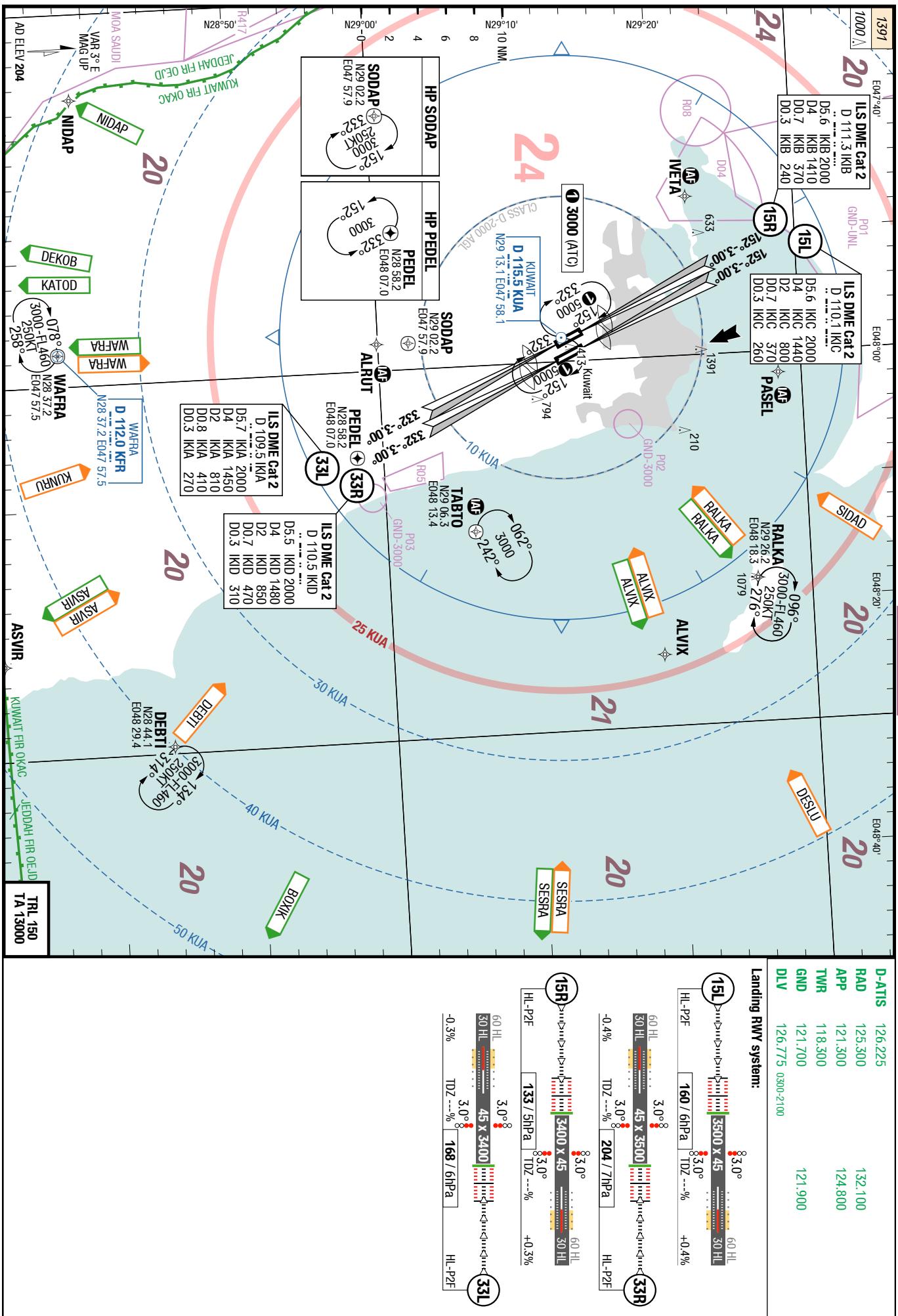
- Provide ATC with following details:

ACFT type and registration

Expected duration

Reason for ground run and type of checks

- Engine ground run RESTR to idle power only, thrust reverser check not permitted.
- Ensure doors are CLSD, aerobridge/steps must be removed.
- Ground runs prohibited while embarking/disembarking PAX.
- Anti-collision beacon and other necessary LGTs must be switched on.



Changes: APN, TWY W21, W1 Bypass, BLDG

TERMINAL 4

see APC 1

E048° 00'

D-ATIS 126.225
TWR 118.300
GND 121.700 121.900
DLV 126.775 0300-2100

3-20

AGC

AGC
KUMA

KUWAIT
D 115.5 KUA

ARP
N 29 13.6
E 047 58.8

3.6
8.8

RWY	TORA	ASDA	TODA
15R	3400	3460	3700
33L	3400	3460	3700
15L	3250	3500	3500
33R	3250	3500	3500

VAR 3° E
MAG UP

AD ELEV 204



Not to scale AD ELEV 204

15L/33R

E3

E1

E14

E13

E6

GA TERMINAL

FIRE STATION

SOUTH EAST APRON

E15

87
86
85
84
83
82
81
80

Not to scale

D-ATIS	126.225
TWR	118.300
GND	121.700
DLV	126.775 0300-2100

VAR 3° E

MAG UP

AD ELEV 204

Stand Coordinates

CARGO APRON

50A-51A N29 14.6 E047 57.9
52A N29 14.6 E047 58.0
52B N29 14.7 E047 58.0
54A N29 14.5 E047 58.0
54B N29 14.6 E047 58.0

55A/B N29 14.5 E047 58.0
56A/B N29 14.5 E047 57.9
63 N29 14.8 E047 57.8
64, 65 N29 14.8 E047 57.7
66,67 N29 14.9 E047 57.7

EASTERN APRON

A N29 14.6 E047 58.7
B, C N29 14.5 E047 58.7
D, E N29 14.4 E047 58.8
R1, R2 N29 14.8 E047 58.7
R3 N29 14.8 E047 58.6

R4 N29 14.7 E047 58.7
R5 N29 14.7 E047 58.6
R6, R7 N29 14.7 E047 58.7
R8 N29 14.6 E047 58.7
T1, T2 N29 14.8 E047 58.6

T3, T4 N29 14.7 E047 58.6
V2N, V2S N29 14.7 E047 58.6
V3, V4 N29 14.6 E047 58.7
V5-V7 N29 14.5 E047 58.7
V8 N29 14.4 E047 58.7

V9,V10 N29 14.4 E047 58.8
40, 41 N29 14.6 E047 58.7
42-44 N29 14.5 E047 58.7
45, 46 N29 14.4 E047 58.8
VIP N29 14.7 E047 58.7

WESTERN APRON

1 N29 14.4 E047 58.4
2 N29 14.4 E047 58.3
3 N29 14.3 E047 58.3
4 N29 14.3 E047 58.4
5 N29 14.2 E047 58.4

21 N29 14.3 E047 58.2
22-25 N29 14.3 E047 58.3
26 N29 14.2 E047 58.3
B1, B2 N29 14.4 E047 58.4

SOUTH APRON

X-Z N29 14.1 E047 58.7

NORTH WEST APRON

71 N29 15.0 E047 57.7
72-74 N29 15.0 E047 57.6
75-79 N29 15.1 E047 57.6

SOUTH EAST APRON

80, 81 N29 13.0 E047 59.5
82 N29 13.1 E047 59.5
83 N29 13.1 E047 59.4
84-86 N29 13.2 E047 59.4
87 N29 13.3 E047 59.4

GENERAL AVIATION APRON

G1 N29 13.5 E047 59.1
G2, G3 N29 13.5 E047 59.2
G4-G10 N29 13.6 E047 59.2
G11-G15 N29 13.7 E047 59.2
G16 N29 13.8 E047 59.1

G17-G23A N29 13.7 E047 59.1
G23B N29 13.6 E047 59.2
G24-G26 N29 13.6 E047 59.1
G27A-G28B N29 13.6 E047 59.2
G29A, G29B N29 13.6 E047 59.1

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RNAV SIDs RWYs 15L/15R

9

RNAV SIDs RWYs 15L/15R

APP 121.300 124.800
RAD 125.300 132.100

RNAV 1 required

GNSS required

21

24

20

20

VAR 3° E
MAC HD

— 1 —

1

AD ELEV 204 — D

16

TRL 150
TA 13000

100

Changes: OBST, AD ELEV

This figure is a detailed aeronautical chart of the Kuwait region, showing flight routes, airports, and navigation aids. The chart includes the following key features:

- Runways:** Runway 21 (RALKA to ALVIX), Runway 24 (KUWAIT to RALKA), and Runway 20 (KUWAIT to ASVIR).
- Airports:** RALKA, ALVIX, SESRA 3E, BOXIK 3E, ASVIR 3E, ASVIR, WAFRA 3E, WAFRA, and DEKOB.
- Navigation Aids:** PO1 GND-UNL, PO2 GND-3000, PO3 GND-3000, and various VOR/DME stations (e.g., 1391, 1000, 210, 413, 794, 152, 32, 182, 149, 114, 088, 46, 48, 18, 6, 8, 222, 258, 078, 272, 191).
- Flight Levels:** 1000, 10 KUA, 25 KUA, 30 KUA, 40 KUA, and 48.
- Geographic Labels:** KUWAIT, D 115.5 KUA, N29 13.1 E047 58.1, KUWAIT FIR OKAC, JEDDAH FIR OEJD, and R302.
- Chart Elements:** CLASS D-2000 AGL, CLASS C, and R05.
- Flight Planning Information:** APP 121.300 124.800, RAD 125.300 132.100, RNAV 1 required, and GNSS required.

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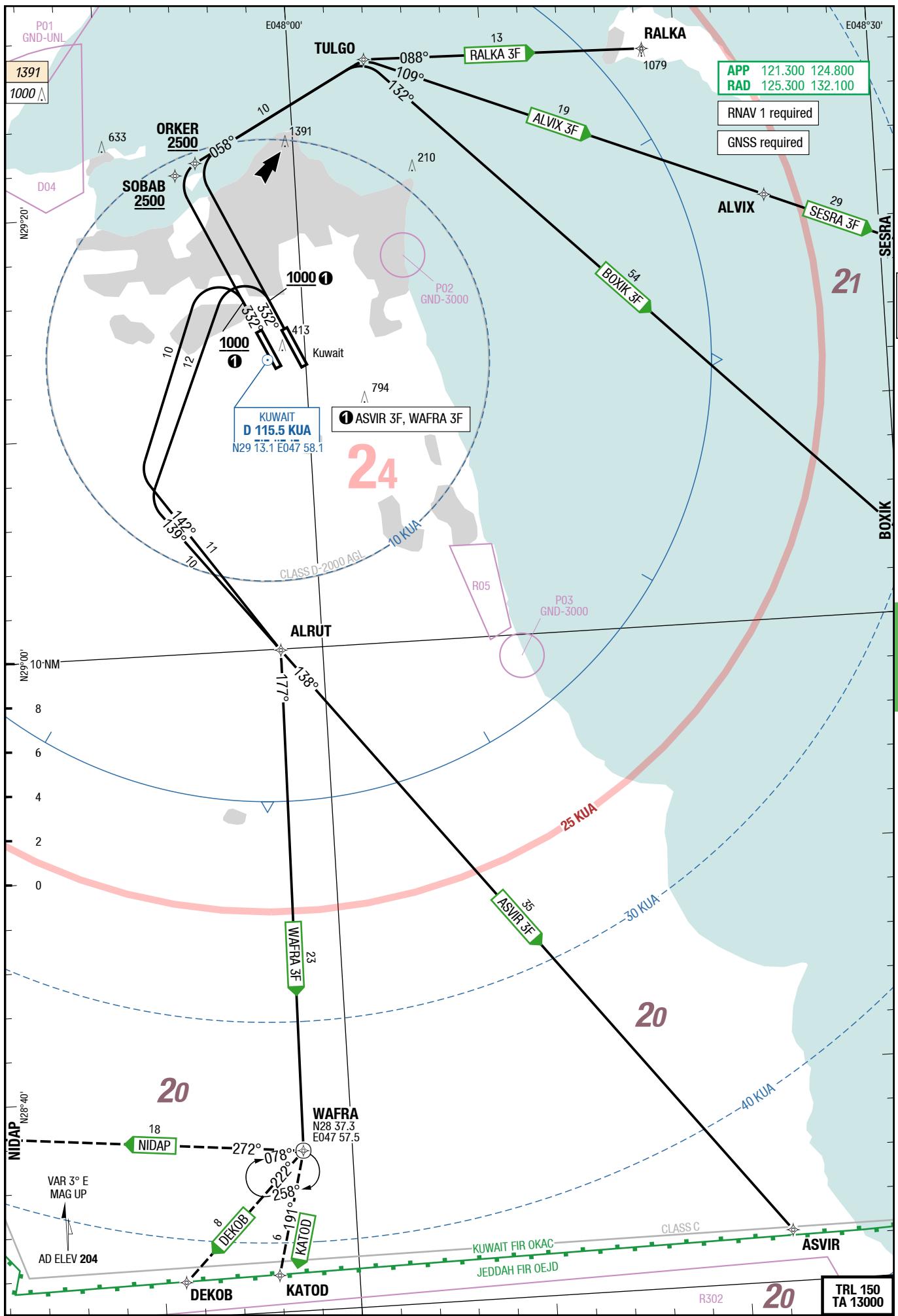
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RNAV SIDs RWYs 33L/33R

9

RNAV SIDs RWYS 33L/33R



01-JAN-2015

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5-10

RNAV SIDs RWYs 15L/15R

SIDPT

ALVIX 3E / ASVIR 3E / BOXIK 3E / RALKA 3E / SESRA 3E / WAFRA 3E

RWYs 15L/R (152°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 15L		
ALVIX 3E 121.300	152° - at MNM 1000 LT 060° to ALVIX	
ASVIR 3E 121.300	152° - at MNM 1000 LT 151° to ASVIR	
BOXIK 3E 121.300	152° - at MNM 1000 LT 114° to BOXIK	
RALKA 3E 121.300	152° - at MNM 1000 LT 038° to RALKA	
SESRA 3E 121.300	152° - at MNM 1000 LT 088° to SESRA	
WAFRA 3E 121.300	152° - at MNM 1000 RT 184° to WAFRA	
TRANSITION		
DEKOB	WAFRA - DEKOB	
KATOD	WAFRA - KATOD	
NIDAP	WAFRA - NIDAP	
Runway 15R		
ALVIX 3E 121.300	152° - at MNM 1000 LT 061° to ALVIX	
ASVIR 3E 121.300	152° - at MNM 1000 LT 149° to ASVIR	
BOXIK 3E 121.300	152° - at MNM 1000 LT 114° to BOXIK	
RALKA 3E 121.300	152° - at MNM 1000 LT 040° to RALKA	
SESRA 3E 121.300	152° - at MNM 1000 LT 088° to SESRA	
WAFRA 3E 121.300	152° - at MNM 1000 RT 182° to WAFRA	
TRANSITION		
DEKOB	WAFRA - DEKOB	
KATOD	WAFRA - KATOD	

01-JAN-2015

KWI-OKBK**5-20****RNAV SIDs RWYs 15L/15R**

SIDPT

WAFRA 3E

RWY 15R (152°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 15R	
WAFRA 3E 121.300	TRANSITION	
	NIDAP WAFRA - NIDAP	

01-JAN-2015

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5-30

RNAV SIDs RWYs 33L/33R

SIDPT

ALVIX 3F / ASVIR 3F / BOXIK 3F / RALK 3F / SESRA 3F / WAFRA 3F

RWYs 33L/R (332°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 33L		
ALVIX 3F 121.300	332° - at SOBAB RT 058° - at TULGO RT 109° to ALVIX	SOBAB MNM 2500
ASVIR 3F 121.300	332° - at MNM 1000 LT 142° - at ALRUT LT 138° to ASVIR	
BOXIK 3F 121.300	332° - at SOBAB RT 058° - at TULGO RT 132° to BOXIK	SOBAB MNM 2500
RALK 3F 121.300	332° - at SOBAB RT 058° - at TULGO RT 088° to RALK	SOBAB MNM 2500
SESRA 3F 121.300	332° - at SOBAB RT 058° - at TULGO RT 109° to SESRA	SOBAB MNM 2500
WAFRA 3F 121.300	332° - at MNM 1000 LT 142° - at ALRUT RT 177° to WAFRA	
	TRANSITION	
	DEKOB WAFRA - DEKOB	
	KATOD WAFRA - KATOD	
	NIDAP WAFRA - NIDAP	
Runway 33R		
ALVIX 3F 121.300	332° - at ORKER RT 058° - at TULGO RT 109° to ALVIX	ORKER MNM 2500
ASVIR 3F 121.300	332° - at MNM 1000 LT 139° to ALRUT - ASVIR	
BOXIK 3F 121.300	332° - at ORKER RT 058° - at TULGO RT 132° to BOXIK	ORKER MNM 2500
RALK 3F 121.300	332° - at ORKER RT 058° - at TULGO RT 088° to RALK	ORKER MNM 2500
SESRA 3F 121.300	332° - at ORKER RT 058° - at TULGO RT 109° to SESRA	ORKER MNM 2500
WAFRA 3F 121.300	332° - at MNM 1000 LT 139° - at ALRUT RT 177° to WAFRA	
	TRANSITION	
	DEKOB WAFRA - DEKOB	
	KATOD WAFRA - KATOD	

01-JAN-2015

KWI-OKBK**5-40****RNAV SIDs RWYs 33L/33R**

SIDPT

WAFRA 3F

RWY 33R (332°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 33R	
WAFRA 3F 121.300	TRANSITION	
	NIDAP WAFRA - NIDAP	

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100

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RNAV STARS

RNAV STARS

Changes: OBST, AD ELEV

29-DEC-2016

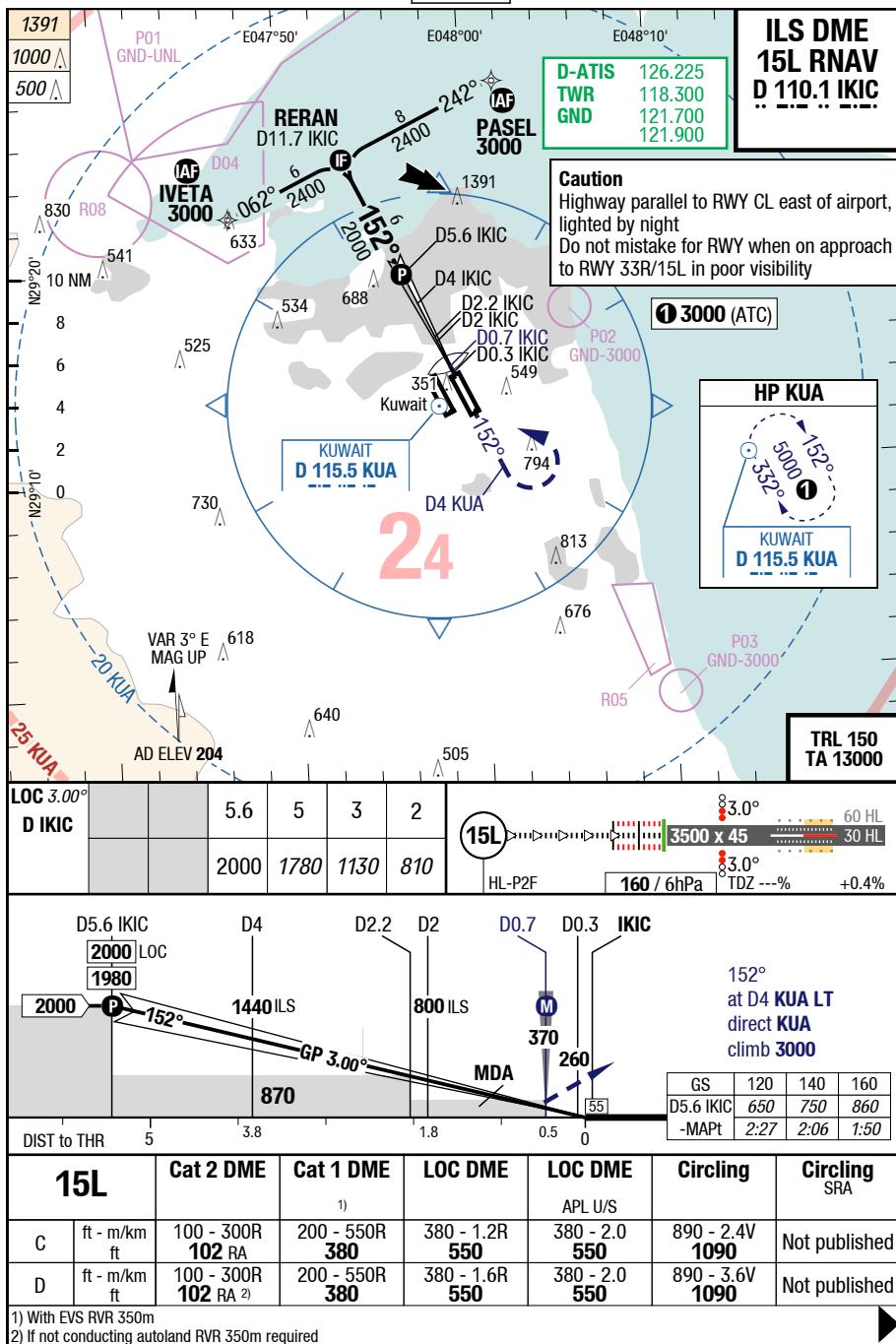
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7-10

ILS DME 15L RNAV

IAC

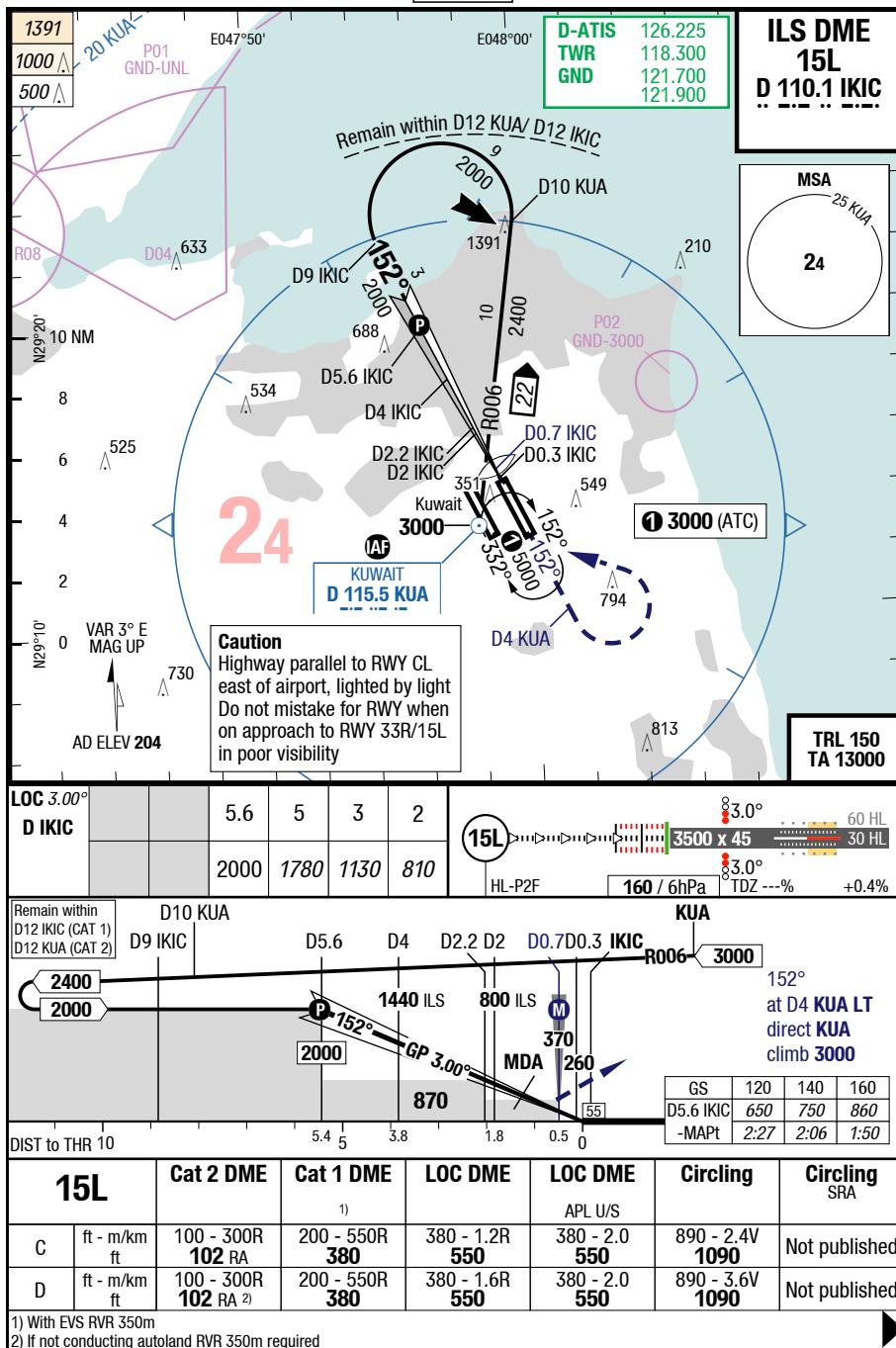


Changes: TCH

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7-20

ILS DME 15L



1) With FVS RVR 350m

2) If not conducting autoland RVR 350m required

03-MAR-2016

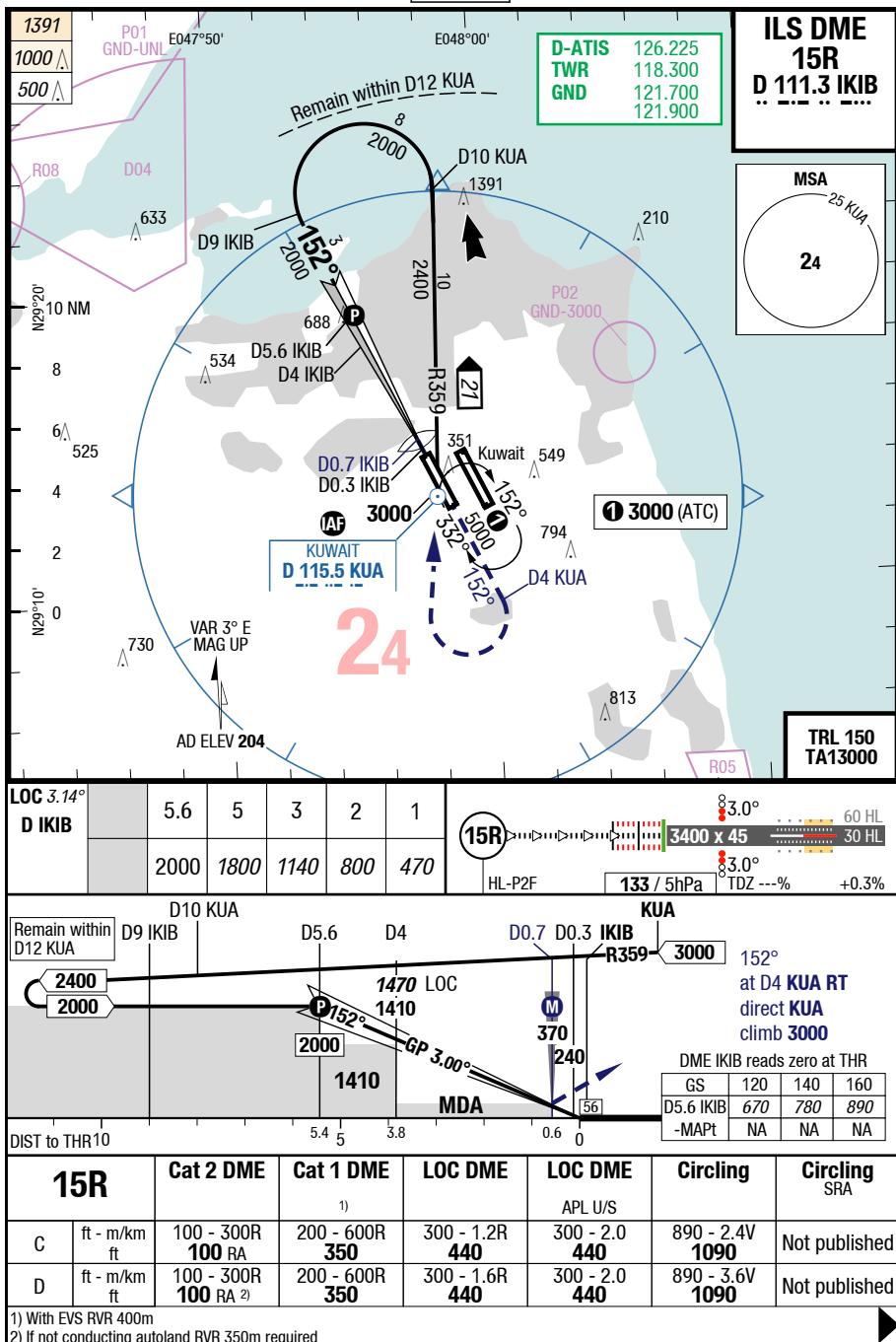
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7-40

ILS DME 15R

IAC



Changes: OBST, AD ELEV, TCH

7-50

ILS DME 33L RNAV

**ILS DME
33L RNAV
D 109.5 IKIA**

ILS DME 33L RNAV

D-ATIS 126.225
TWR 118.300
GND 121.700
121.900

1 3000 (ATC)

ILS DME 33L RNAV D 109.5 IKIA

1 3000 (ATC)

HP KUA

KUWAIT D 115.5 KUA

TABTO 3000

RARVA D11.5 IKIA

ALRUT 3000

25 KUA

20 KUA

VAR 3° E MAG UP

AD ELEV 204.

30 HL 45 x 3400

LOC 3.00° D IKIA

2	3	5	5.7	
810	1130	1780	2000	

	120	140	160
D5.7 IKIA	640	750	860
-MAPT	2.28	2.07	1.51

33L		Cat 2 DME	Cat 1 DME	LOC DME	LOC DME	Circling	Circling SRA
			1)		APL U/S		
ft - m/km	110 - 300R	200 - 550R	320 - 1.2R	320 - 2.0	890 - 2.4V	Not published	Not published
ft	102 RA	380	490	490	1090		
ft - m/km	110 - 300R	200 - 550R	320 - 1.6R	320 - 2.0	890 - 3.6V	Not published	Not published
ft							

1) With E/C DVD 350m

- 1) With EVS RVR 350m
- 2) If not conducting cutback RVR 750m required

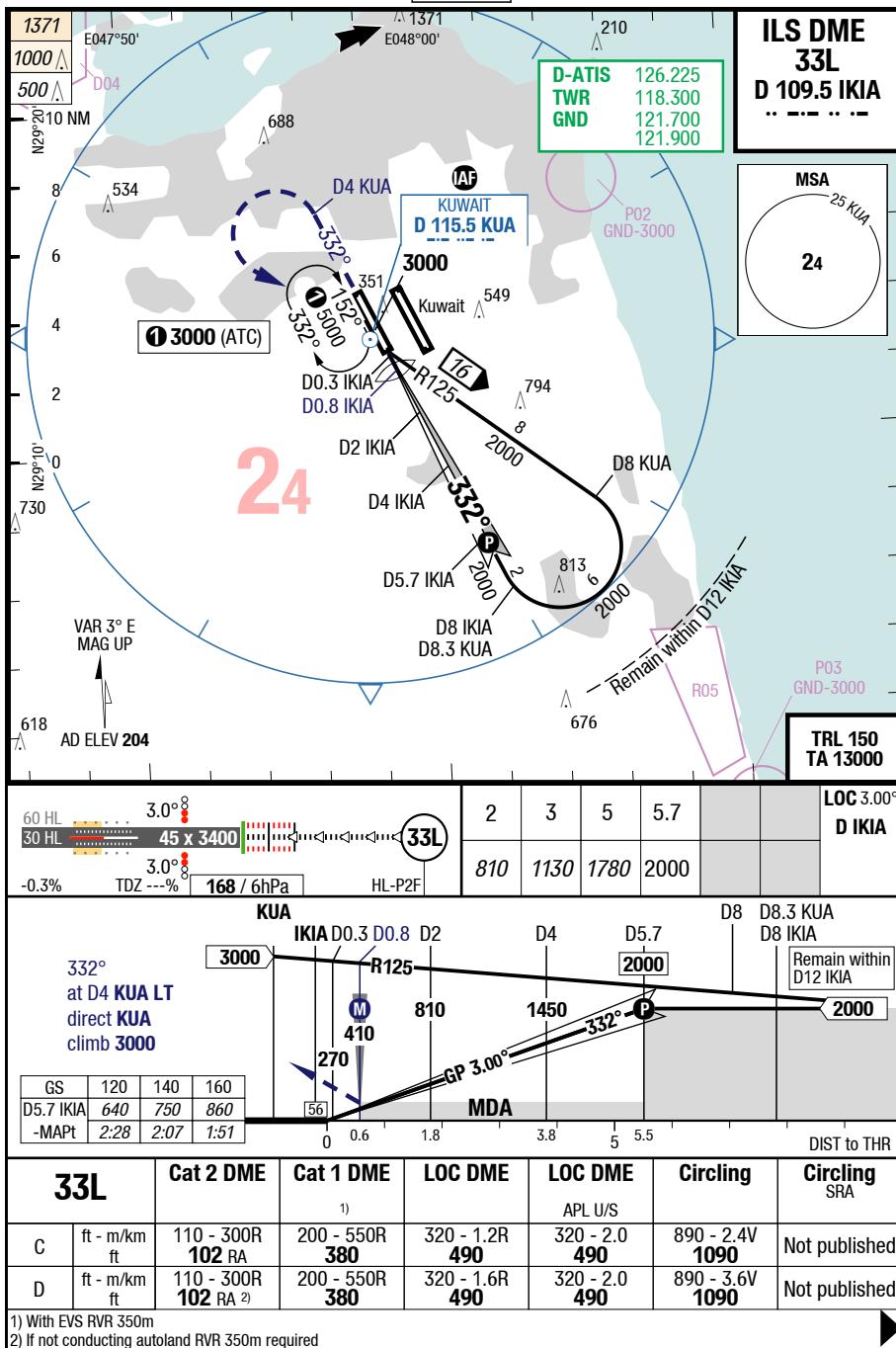
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7-60

ILS DME 33L

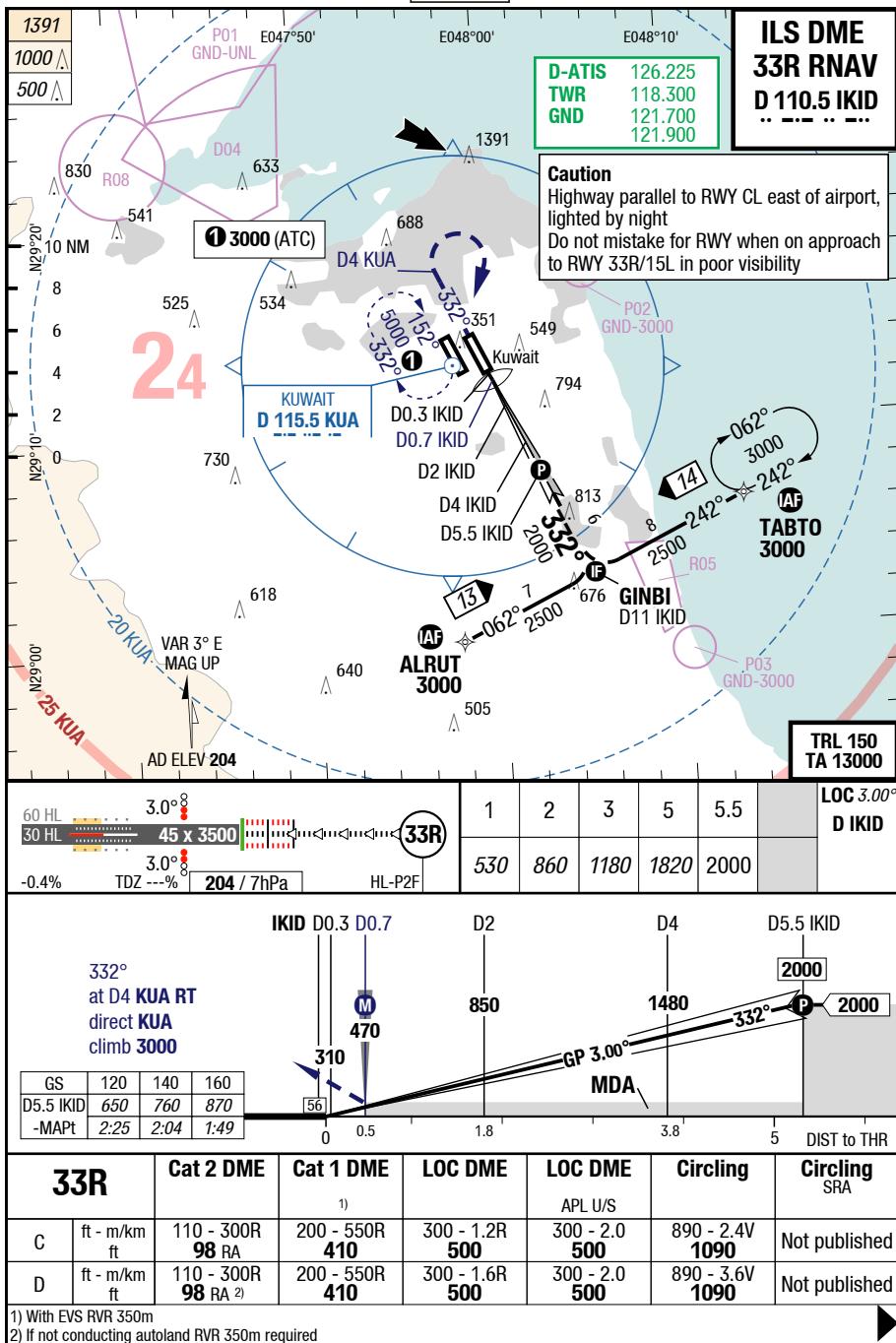


Changes: OBST, MIN, AD ELEV, TCH

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7-70

ILS DME 33R RNAV



Caution
Highway parallel to RWY CL east of airport, lighted by night
Do not mistake for RWY when on approach to RWY 33R/15L in poor visibility

	1	2	3	5	5.5	
60 HL	530	860	1180	1820	2000	LOC 3.00°
30 HL	30	45 x 3500				D IKID
TDZ	-0.4%	204 / 7hPa				
HL-P2F						

33R

332° at D4 KUA RT direct KUA climb 3000

GS 120 140 160
D5.5 IKID 650 760 870
-MAPT 2.25 2.04 1.49

0.5 1.8 3.8 5.3 10 DIST to THR

33R		Cat 2 DME	Cat 1 DME	LOC DME	LOC DME	Circling	Circling SRA
C	ft - m/km ft	110 - 300R 98 RA	200 - 550R 410	300 - 1.2R 500	300 - 2.0 500	890 - 2.4V 1090	Not published
D	ft - m/km ft	110 - 300R 98 RA	200 - 550R 410	300 - 1.6R 500	300 - 2.0 500	890 - 3.6V 1090	Not published

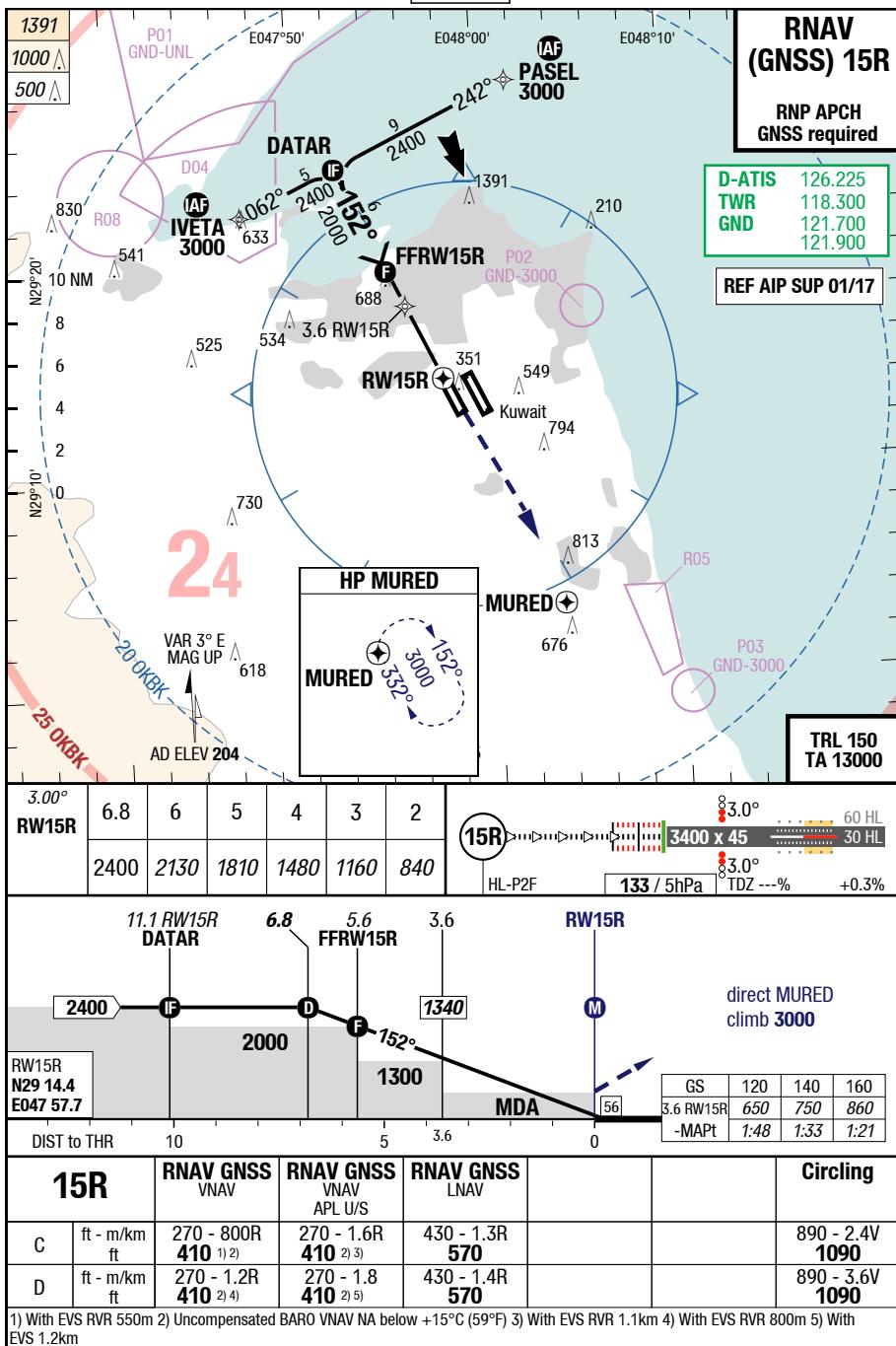
1) With EVS RVR 350m
2) If not conducting autoland RVR 350m required

Changes: OBST, MIN, AD ELEV, TCH

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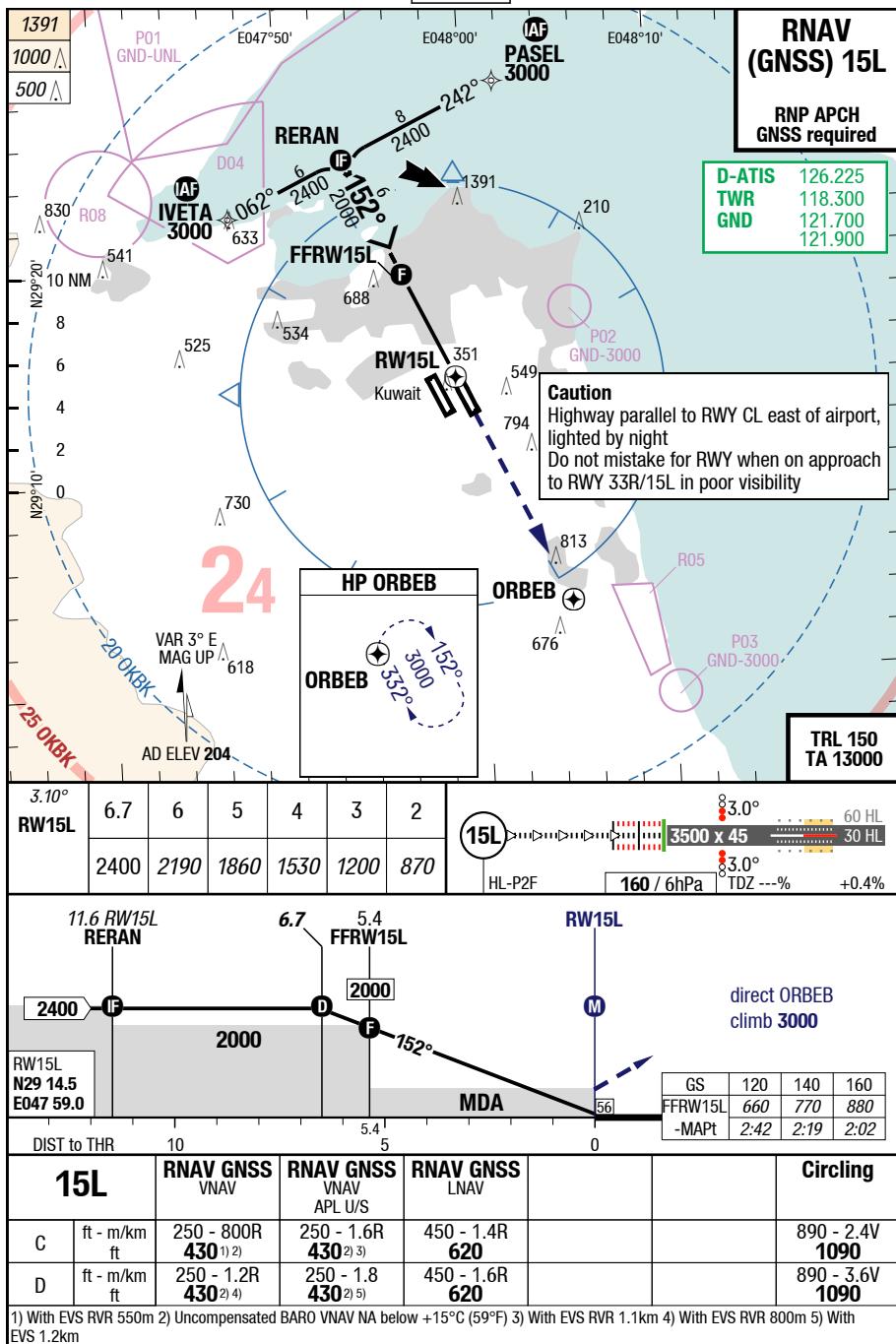
Tempo RNAV (GNSS) 15R



1) With EVS RVR 550m 2) Uncompensated BARO VNAV NA below +15°C (59°F) 3) With EVS RVR 1.1km 4) With EVS RVR 800m 5) With EVS 1.2km

7-90

RNAV (GNSS) 15L



1) With EVS RVR 550m 2) Uncompensated BARO VNAV NA below +15°C (59°F) 3) With EVS RVR 1.1km 4) With EVS RVR 800m 5) With EVS 1.2km

Changes: OBST, HLDG, AD ELEV, TCH

7-100

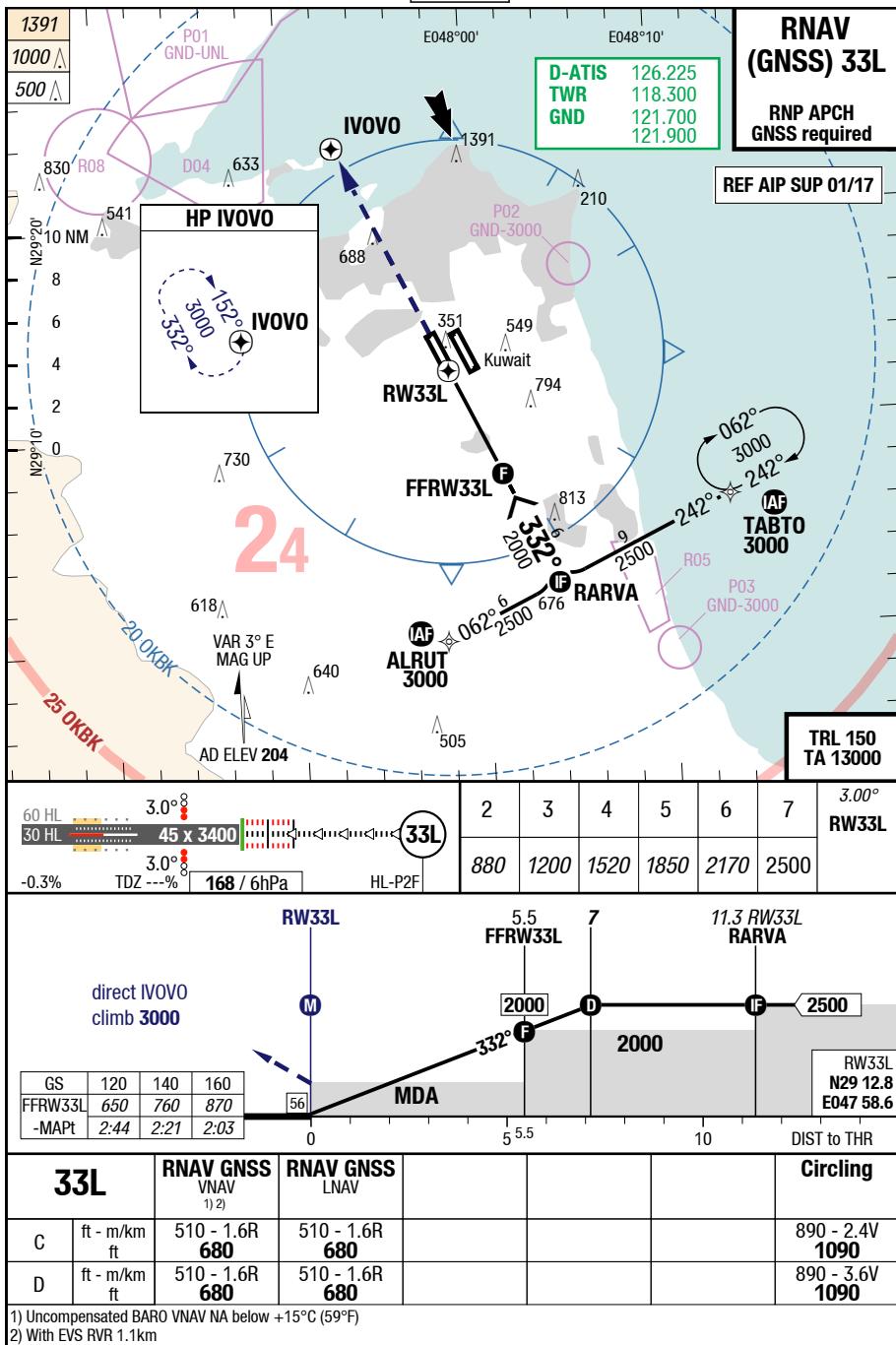
RNAV (GNSS) 15R

1) With EVS RVR 550m 2) Uncompensated BARO VNAV NA below +15°C (59°F) 3) With EVS RVR 1.1km 4) With EVS RVR 800m 5) With EVS 1.2km

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Tempo RNAV (GNSS) 33L



7-110

RNAV (GNSS) 33L

RNAV (GNSS) 33L

RNP APCH GNSS required

Vertical Profile Table (33L Approach):

GS	120	140	160	2	3	4	5	6	7	3.00° RW33L
FFRW33L	650	760	870	880	1200	1520	1850	2170	2500	
-MAlt	2.44	2.21	2.03							

33L Approach Profile:

direct IVOVO climb 3000

GS: 120, 140, 160 ft
 FFRW33L: 650, 760, 870 ft
 -MAlt: 2.44, 2.21, 2.03 ft

MDA: 56 ft

Runway RW33L: 5.5, 7, 11.3 RW33L RARVA

Vertical Profile Points:

- 33L: 3.0° 8°
- 30 HL: 3.0° 8°
- 30 HL: 45 x 3400 ft
- HL-P2F: -0.3% TDZ ---% 168 / 6hPa

Approach Segment Data:

Segment	Point	Altitude	GS	Angle
1	P01 GND-UNL	1391	120	3.0°
2	IVOVO	1391	140	3.0°
3	FFRW33L	880	160	3.0°
4	RARVA	2500	120	3.0°
5	ALRUT 3000	2500	140	3.0°
6	TABTO 3000	2500	160	3.0°
7	TRL 150 TA 13000	2500	120	3.0°

Approach Segment Summary:

Segment	Point	GS	Angle
C	ft - m/km	490 - 1.5R	490 - 1.5R
D	ft - m/km	490 - 1.5R	490 - 1.5R

Notes:

- 1) Uncompensated BARO VNAV NA below +15°C (59°F)
- 2) With EVS RVR 1.0km

Changes: HLDG, OBST, TCH, AD ELEV

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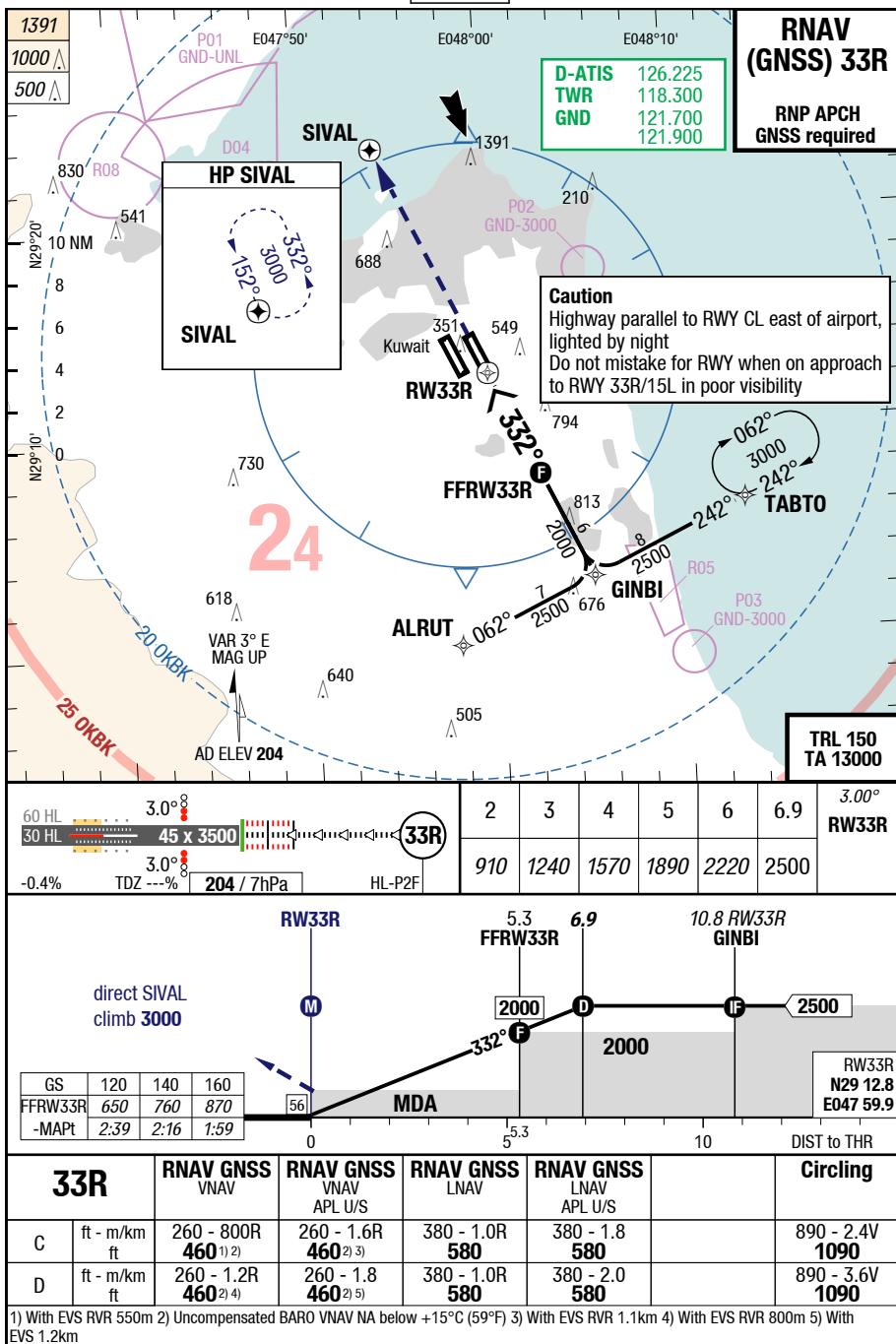
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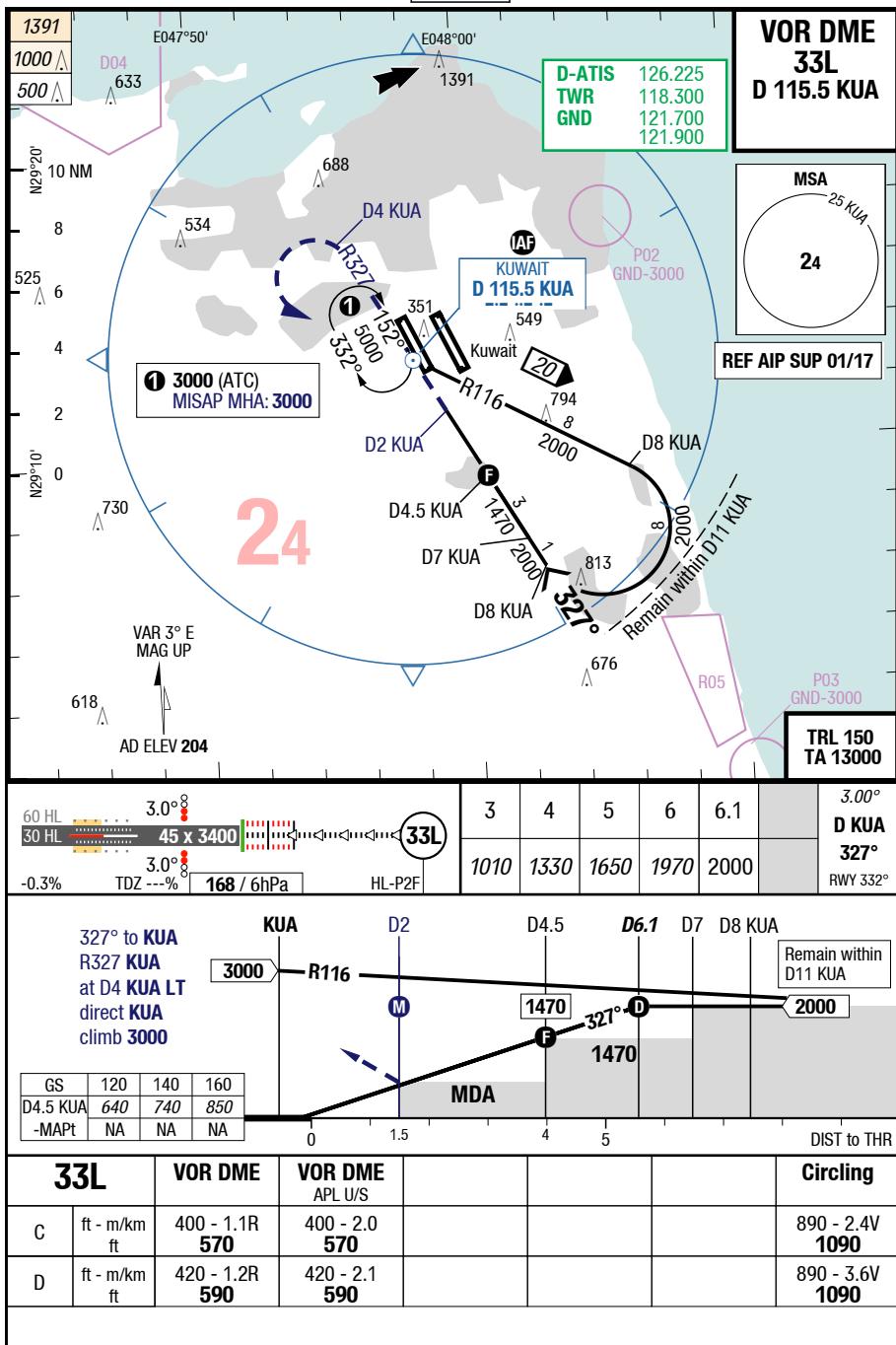
7-120

RNAV (GNSS) 33R

IAC



Changes: HLDG, OBST, TCH, AD ELEV



7-130

VOR DME 15R

IAC

**VOR DME
15R
D 115.5 KUA**

D-ATIS 126.225
TWR 118.300
GND 121.700
121.900

MSA
25 KUA

24

1 3000 (ATC)
MISAP MHA:3000

TRL 150
TA 13000

3.00° D KUA	7.1	7	6	5	4	83.0°	60 HL
159°							
RWY 152°	2000	1980	1670	1350	1030	3400 x 45	30 HL

GS	120	140	160
D5.5 KUA	640	740	850
-MAPt	NA	NA	NA

15R		VOR DME	VOR DME APL U/S				Circling
C	ft - m/km ft	460 - 1.5R 600	460 - 2.2 600				890 - 2.4V 1090
D	ft - m/km ft	460 - 1.6R 600	460 - 2.2 600				890 - 3.6V 1090

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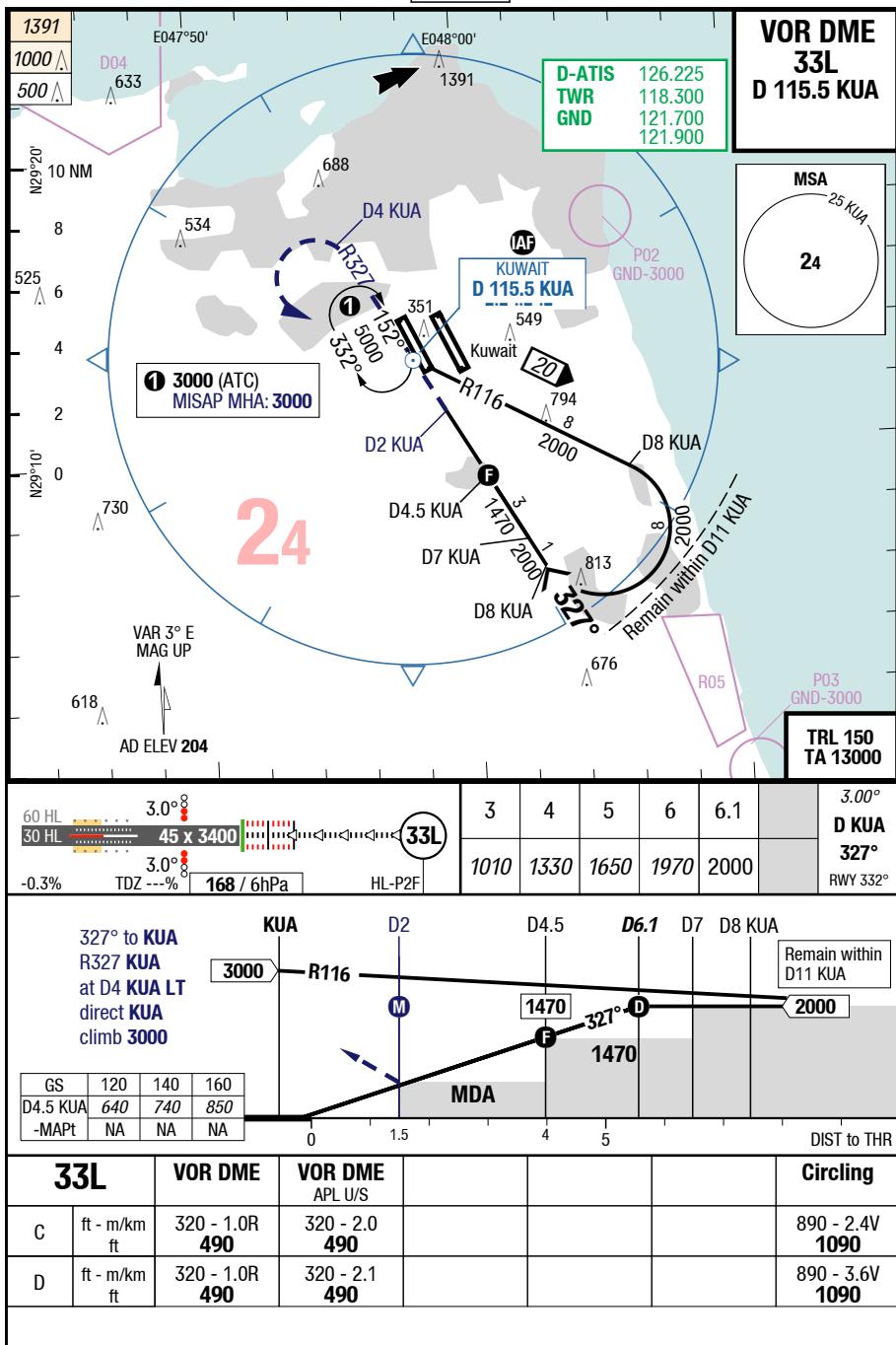
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VOR DME 33L

IAC



Changes: MIN, OBST, AD ELEV

03-MAR-2016

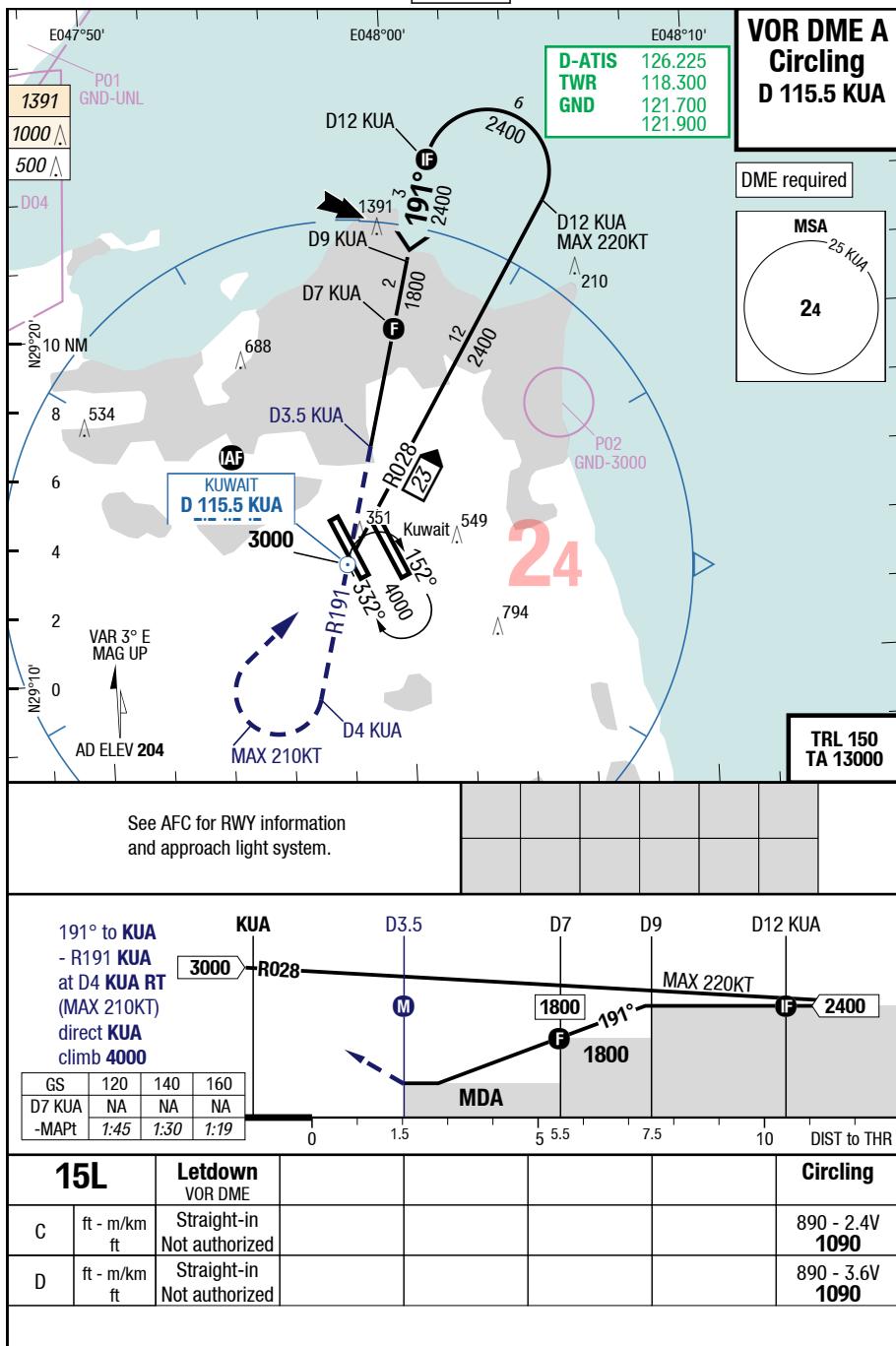
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7-150

VOR DME A Circling

IAC



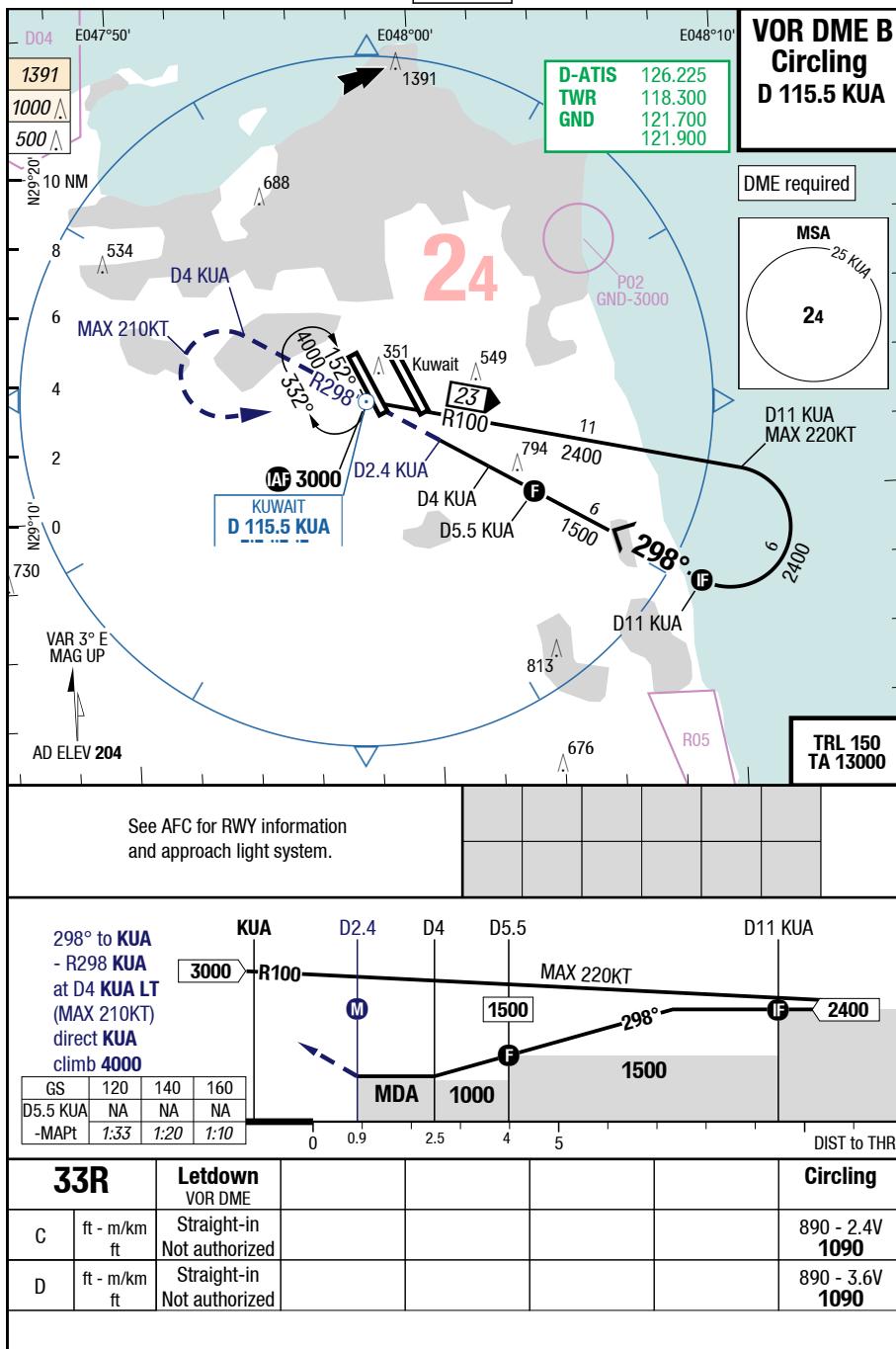
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VOR DME B Circling



Changes: OBST, AD ELEV

29-DEC-2016

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WxMinima Overflow

15L		SRA RTR2	SRA RTR2 APL U/S				
C	ft - m/km ft	480 - 1.9 650	480 - 2.7 650				
D	ft - m/km ft	480 - 1.9 650	480 - 2.7 650				
15R		SRA RTR2	SRA RTR2 APL U/S				
C	ft - m/km ft	510 - 2.0 650	510 - 2.8 650				
D	ft - m/km ft	510 - 2.0 650	510 - 2.8 650				
33L		SRA RTR2	SRA RTR2 APL U/S				
C	ft - m/km ft	530 - 2.1 700	530 - 2.8 700				
D	ft - m/km ft	530 - 2.1 700	530 - 2.8 700				
33R		SRA RTR2	SRA RTR2 APL U/S				
C	ft - m/km ft	500 - 1.9 700	500 - 2.5 700				
D	ft - m/km ft	500 - 1.9 700	500 - 2.5 700				

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KWI-OKBK

Kuwait **Kuwait** Kuwait Intl

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Changes: OBST, AD ELEV

