

GENERAL**Operational Hours****ATS Hours / AD OPS Hours:** 1400-0600‡**Airport Information****RFF:** Not published**Fuel:** Jet A**PCN:** RWY 02/20: 20/F/C/X/T
RWY 13L/31R: 10/F/D/Y/T**Operation****Traffic Note**

RWY and APCH lights are turned off when TWR CLSD, therafter activation by CTAF.

Preferential RWY

RWY 31L designated noise preferential RWY.

Noise Abatement Procedure

Avoid low level over flights of residential areas whenever possible.

VOR Test Facility (VOT): 115.2**Warnings**

Glider OPS 5NM NW during daylight HRS MAR-OCT.

Between SR and SS intensive flight training activity in areas S to NW of AD within 25NM at or below 5500ft MSL.

RWY 13R: Run-up area not visible from TWR.

Be alert, extensive HEL training OPS to TWY A, B and D.

Birds in vicinity of AD NOV-MAY.

EMERG FREQ: 121.500 not AVBL at TWR**ARRIVAL****Speed**

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR and in addition;**OCITY:** After OCITY, proceed direct BTG VOR/DME and hold.**Arrival Procedure****VFR Traffic Pattern:** RWY 02, 31R right-hand circuit.**Land And Hold Short Operation (LAHSO)**

These OPS include LDG and hold short of an intersection RWY/TWY or other predetermined points on the RWY.

LDG RWY	Hold Short Point (HSP)	AVBL LDG DIST
RWY 13R	RWY 02/20	1500m / 4922ft

Warnings**PAPI RWY 13L, 31R:** unusable beyond 8° left and right of RCL.

24-MAY-2018

HIO-KHIO**1-20****AOI****DEPARTURE****Take-off Minima**

RWY		13R	
1+2 ENG	ft- ft/SM	0 - 5000R/1.0V	SID CANBY, SID FARMINGTON: MNM climb gradient 3.9% up to 1500 SID SCAPO: MNM climb gradient 5.1% up to 2700 SID BERNI, SID CHISM: MNM climb gradient 8.3% up to 720 All other departures: MNM climb gradient 3.9% up to 400, or TKOF must occur no later than 1800ft / 549m prior to RWY end.
3+4 ENG		0 - 2400R/0.5V	

RWY		20	
1+2 ENG	ft- ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	
All ACFT		Not authorized	SID BERNI, SID CHISM

RWY		31L	
	ft- ft/SM	SID FARMINGTON, SID SCAPO	
1+2 ENG		0 - 1.0V	MNM climb gradient 4.0% up to 600
3+4 ENG		0 - 0.5V	
		SID CANBY	
1+2 ENG		0 - 1.0V	MNM climb gradient 4.6% up to 2700
3+4 ENG		0 - 0.5V	
		SID BERNI, SID CHISM	
1+2 ENG		0 - 1.0V	MNM climb gradient 8.3% up to 720
3+4 ENG		0 - 0.5V	
		All other departures	
1+2 ENG		0 - 1.0V	MNM climb gradient 4.0% up to 2700
3+4 ENG		0 - 0.5V	
All ACFT		c600 - 2.5V	climb in visual conditions

RWY		13L	
1+2 ENG	ft- ft/SM	0 - 1.0V	SID CANBY, SID FARMINGTON: MNM climb gradient 3.9% up to 1500
3+4 ENG		0 - 0.5V	SID SCAPO: MNM climb gradient 5.1% up to 2700
All ACFT		Not authorized	SID BERNI, SID CHISM

24-MAY-2018

HIO-KHIO

1-30

AOI

DEPARTURE

RWY		31R	
ft- ft/SM	ft- ft/SM	SID FARMINGTON, SID SCAPO	
1+2 ENG	0 - 1.0V	MNM climb gradient 4.0% up to 600	
3+4 ENG	0 - 0.5V		
		SID CANBY	
1+2 ENG	0 - 1.0V	MNM climb gradient 4.6% up to 2700	
3+4 ENG	0 - 0.5V		
		All other departures	
1+2 ENG	0 - 1.0V	MNM climb gradient 3.8% up to 2700	
3+4 ENG	0 - 0.5V		
All ACFT	c600 - 2.5V	climb in visual conditions	
		SID BERNI, SID CHISM	
All ACFT	Not authorized	-	

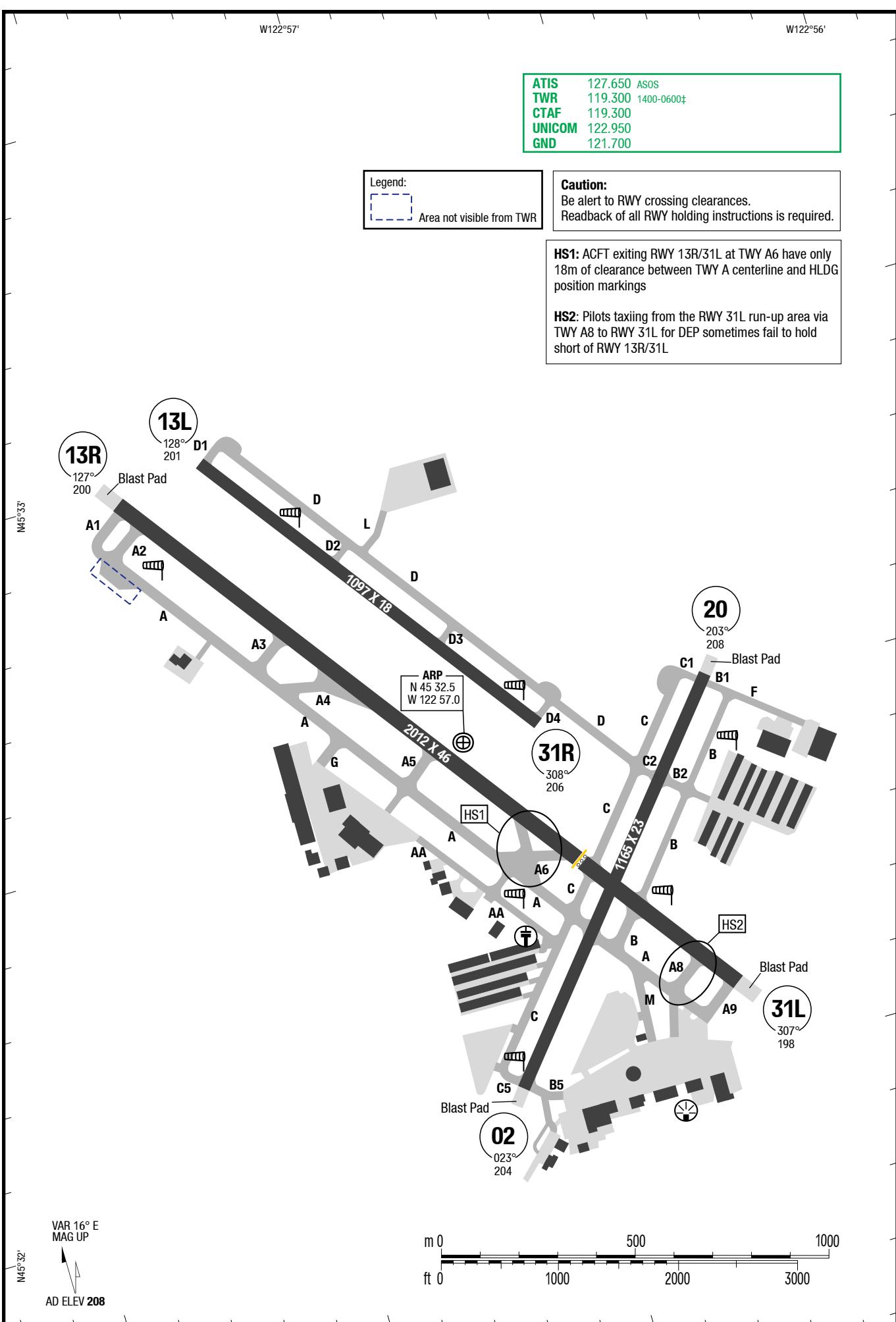
RWY		02	
ft- ft/SM	ft- ft/SM	SID SCAPO	
1+2 ENG	0 - 1.0V	MNM climb gradient 3.9% up to 2000	
3+4 ENG	0 - 0.5V		
		SID CANBY, SID FARMINGTON	
1+2 ENG	0 - 1.0V	MNM climb gradient 5.1% up to 2700	
3+4 ENG	0 - 0.5V		
		All other departures	
1+2 ENG	0 - 1.0V	MNM climb gradient 3.6% up to 1900	
3+4 ENG	0 - 0.5V		
All ACFT	c600 - 2.5V	climb in visual conditions	
		SID BERNI, SID CHISM	
All ACFT	Not authorized	-	

Speed

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR.

Changes: new



24-MAY-2018

United States **Portland** Portland-Hillsboro

Portland-Hillsboro **Portland** United States

HIO-KHIO

4-10

BERNI 3 RNAV

3

8

Portland-Hillsboro **Portland** United States

CHISM 4 RNAV 
BERNI 3 RNAV

TRL 180
TA 18000

Changes: new

24-MAY-2018

United States **Portland** Portland-Hillsboro

Portland-Hillsboro **Portland** United States

HIO-KHIO

4-20

CHISM 4 RNAV

CHISM 4 RNAV

SD

3

Changes: new

24-MAY-2018

HIO-KHO

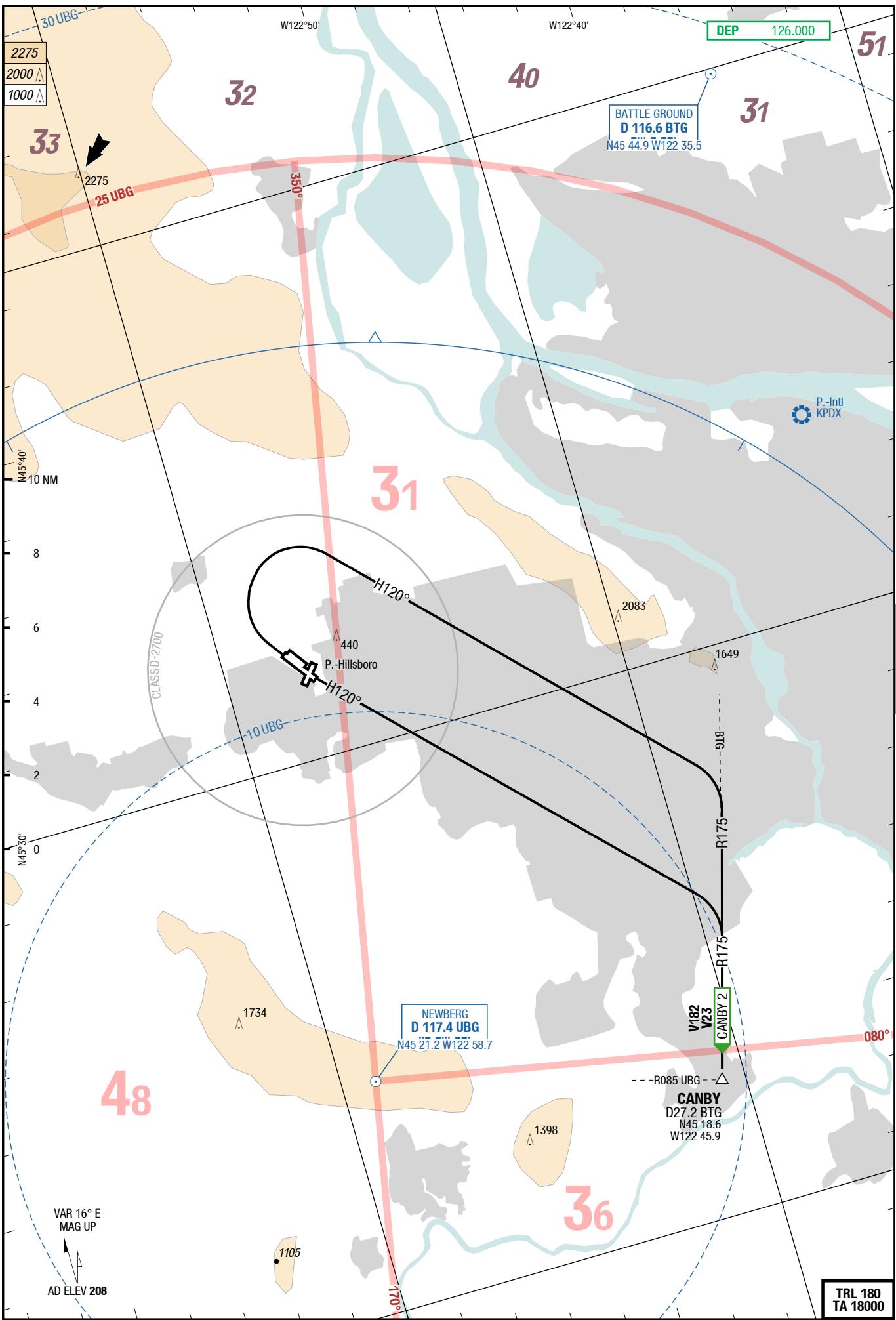
United States **Portland** Portland-Hillsboro
[FARMINGTON 7] **SID** **SID**
Portland-Hillsboro **Portland** United States
[FARMINGTON 7]

4-30

CANBY 2

SID

Portland-Hill
FARMINGTON 7
CANBY 2



24-MAY-2018

HIO-KHIO

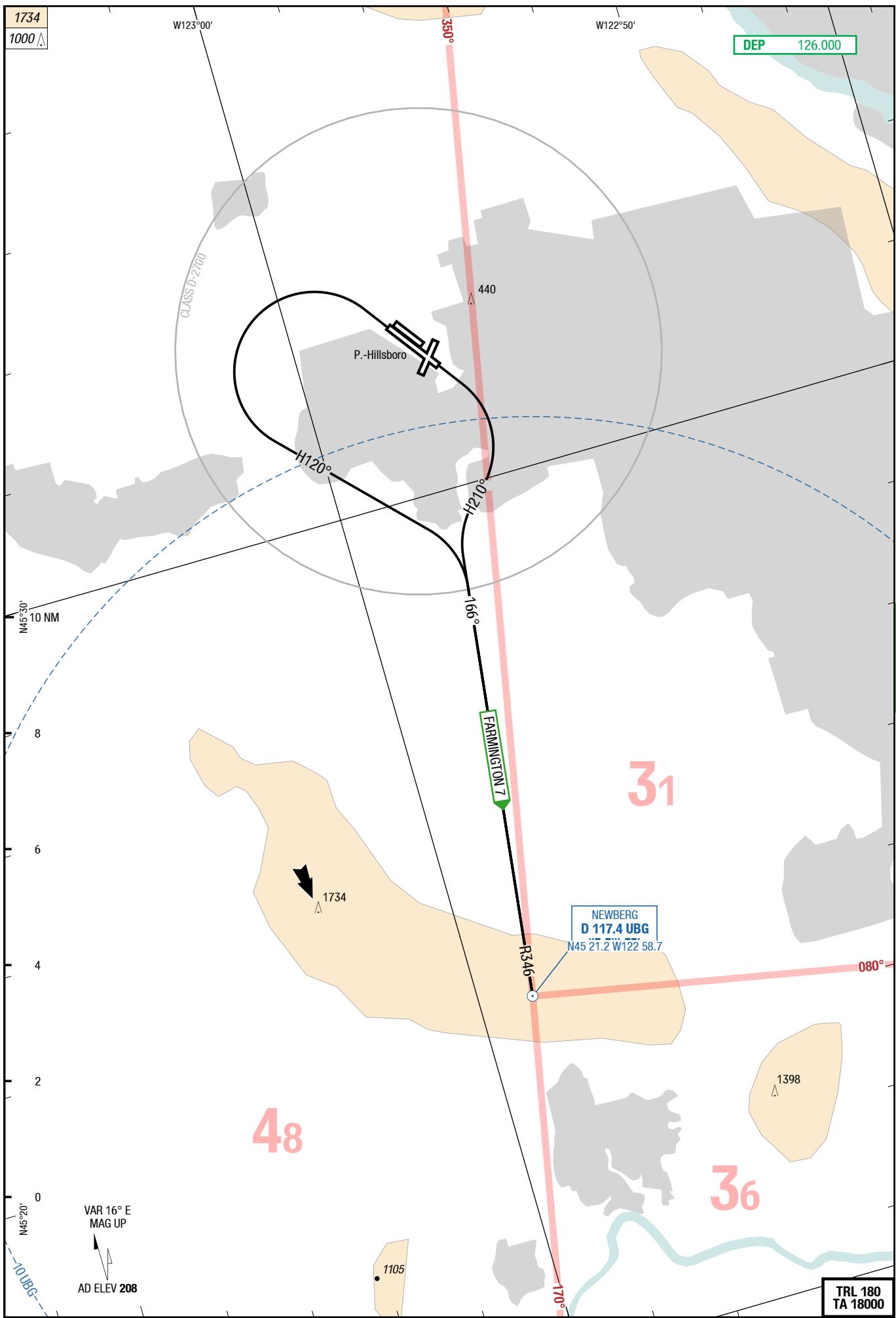
United States **Portland** Portland-Hillsboro

FARMINGTON 7

SID

FARMINGTON 7

Portland-Hillsboro **Portland** United States



24-MAY-2018

United States **Portland** Portland-Hillsboro

Portland-Hillsboro **Portland** United States

HIO-KHIO

4-50

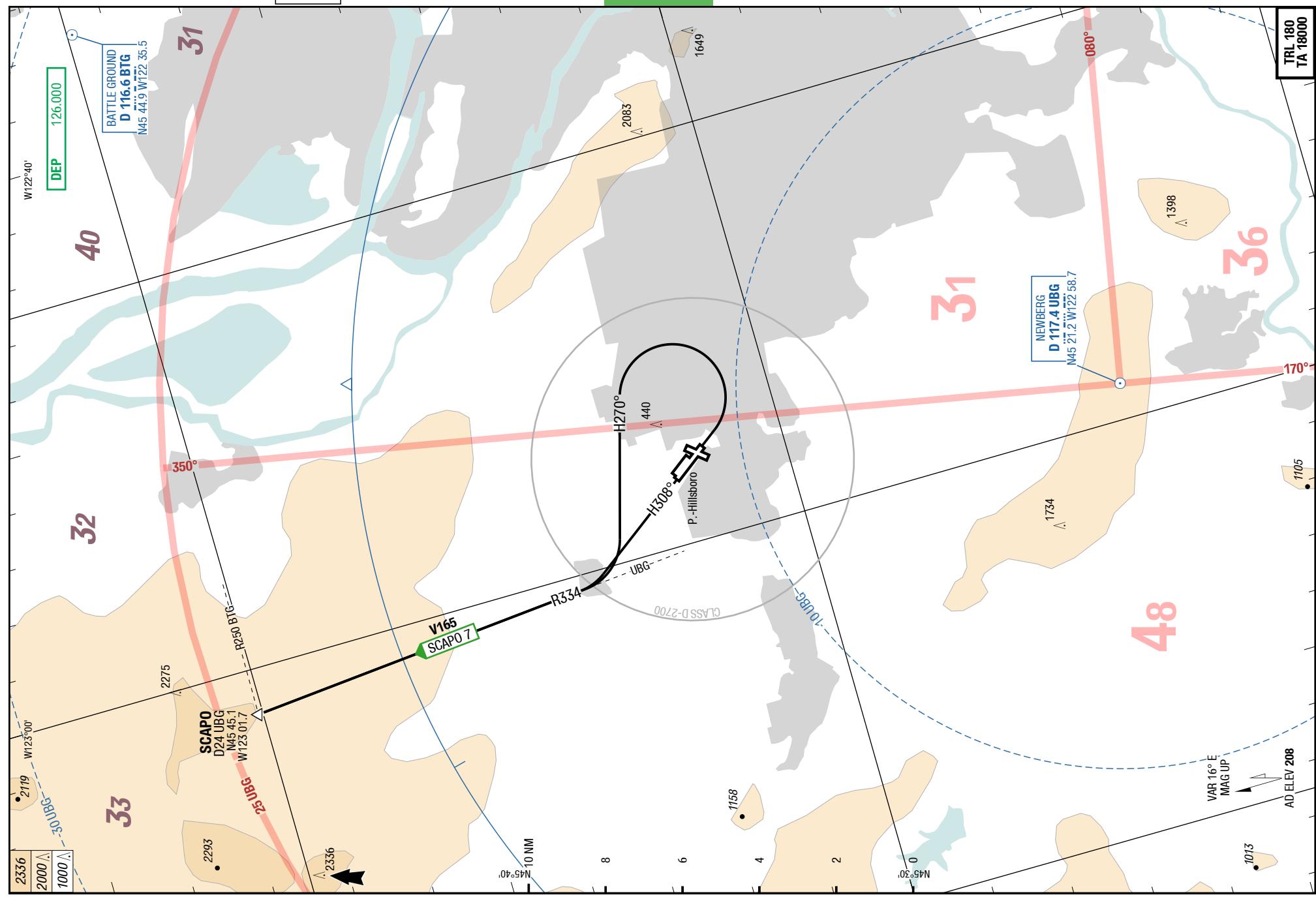
SCAPO 7

3

25

Portland-Hillsboro **Portland** United States

SCAPO 7



24-MAY-2018

HIO-KHIO**5-10****BERNI 3 RNAV**

SIDPT

BERNI 3

RWYs 13R (127°) / 31L (307°)

DESIGNATOR	ROUTING	ALTITUDES
BERNI 3 (Jet only) 126.000 ①		initial climb by ATC
RWY 13R	H128° [A720+ ;R] - DCT JERUX - BERNI	
RWY 31L	H308° [A720+ ;L] - DCT HETAT - SANKR - BERNI	
	TRANSITION	
	EASON BERNI - EASON	
	EUGENE (EUG) BERNI - EUG	
	FAMUK BERNI - FAMUK	
	HARPR BERNI - HARPR	

① Expect filed altitude 10 minutes after departure.

24-MAY-2018

HIO-KHIO**5-20****CHISM 4 RNAV**

SIDPT

CHISM 4

RWYs 13R (127°) / 31L (307°)

DESIGNATOR	ROUTING	ALTITUDES
CHISM 4 (Jet only) 126.000 ①		initial climb by ATC
RWY 13R	H128° [A720+] - DCT GERDD - CHISM	
RWY 31L	H308° [A720+] - DCT HETAT - FORAS - EMELY - CHISM	
	TRANSITION	
	DESCHUTES (DSD) CHISM - DSD	
	JOGEN CHISM - JOGEN	
	KIMBERLY (IMB) CHISM - IMB	
	PAWLI CHISM - PAWLI	
	RIELY CHISM - RIELY	
	SMIGE CHISM - SMIGE	

① Expect filed altitude 10 minutes after departure.

Changes: New

24-MAY-2018

HIO-KHIO**5-30****CANBY 2****CANBY 2**

RWYs 13R (127°) / 31L (307°)

DESIGNATOR	ROUTING	ALTITUDES
CANBY 2 126,000		initial climb by ATC
RWY 13R	LT HDG 120° - RT intercept R175 BTG to CANBY	
RWY 31L	RT HDG 120° - RT intercept R175 BTG to CANBY	

24-MAY-2018

HIO-KHIO**5-40****FARMINGTON 7****FARMINGTON 7**

RWYs 13R (127°) / 31L (307°)

DESIGNATOR	ROUTING	ALTITUDES
FARMINGTON 7		
FARM 7 126.000		initial climb by ATC
RWY 13R	RT HDG 210° intercept R346 UBG to UBG	
RWY 31L	LT HDG 120° intercept R346 UBG to UBG	

24-MAY-2018

HIO-KHIO**5-50****SCAPO 7****SCAPO 7**

RWYs 13R (127°) / 31L (307°)

DESIGNATOR	ROUTING	ALTITUDES
SCAPO 7 126.000		initial climb by ATC
RWY 13R	LT HDG 270° intercept R334 UBG to SCAPO	
RWY 31L	HDG 308° intercept R334 UBG to SCAPO	

24-MAY-2018

HIO-KHIO

5-70

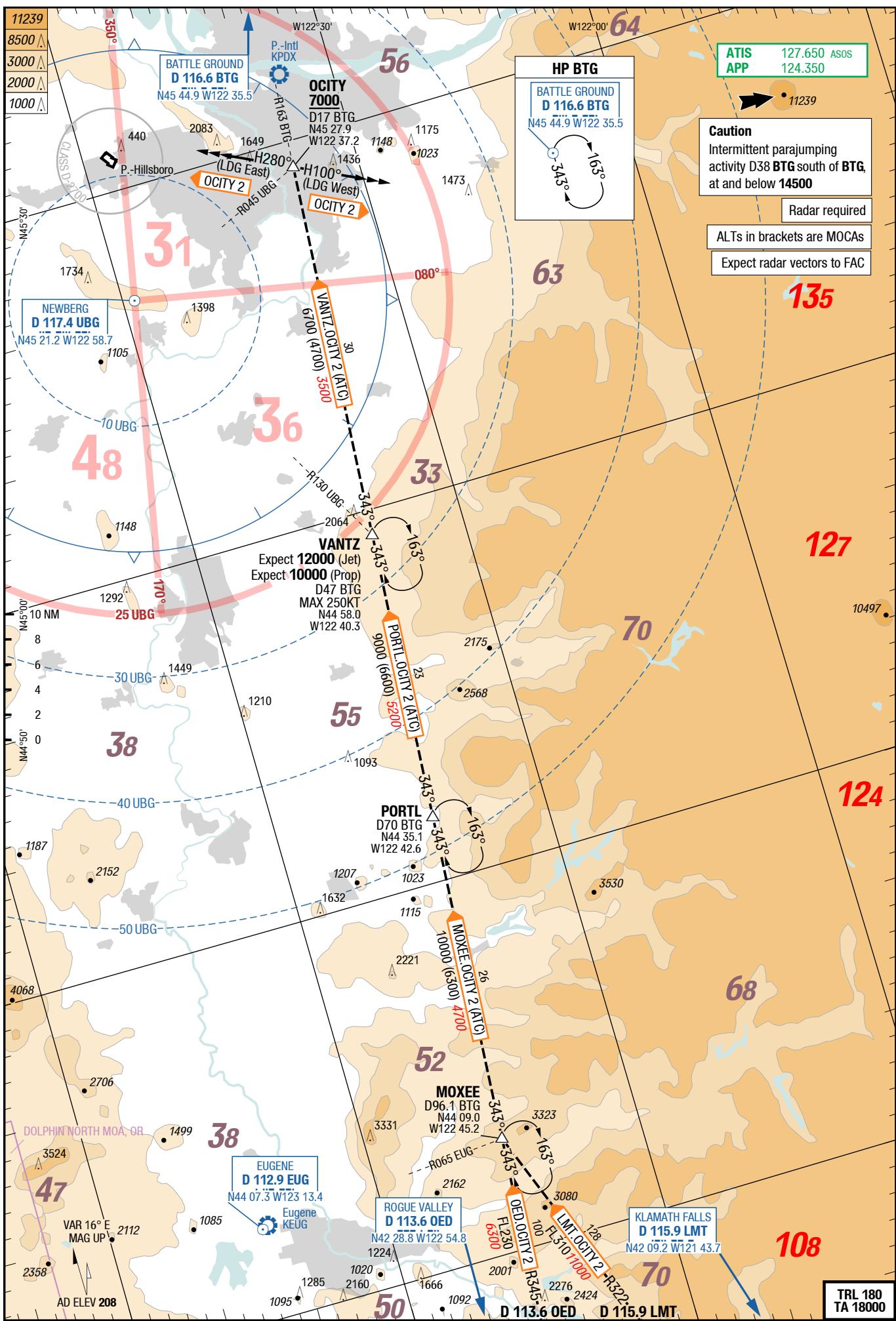
Obstacle Departure

SIDPT

Obstacle Departure

RWY	Routing
13R	Climbing RT direct UBG - continue climb in UBG HP (INBD 108°, RT) to cross UBG at or above MEA for direction of flight before proceeding on course
31L	Climbing LT direct UBG - continue climb in UBG HP (INBD 108°, RT) to cross UBG at or above MEA for direction of flight before proceeding on course
RWY	Notes
13R	Pole 38ft from DER, 150ft left of centerline, 4ft AGL/200ft MSL. Sign 72ft from DER, 299ft right of centerline, 5ft AGL/201ft MSL. Tree 1030ft from DER, 754ft right of centerline, 260ft MSL. Tree 1103ft from DER, 613ft left of centerline, 234ft MSL. Trees beginning 1835ft from DER, 172ft left of centerline, up to 307ft MSL. Tree 2458ft from DER, 434ft right of centerline, 263ft MSL. Tree 2617ft from DER, 230ft right of centerline, 274ft MSL. Trees beginning 2666ft from DER, 10ft right of centerline, up to 290ft MSL. Trees beginning 3343ft from DER, 146ft right of centerline, up to 316ft MSL. Tree 3388ft from DER, 124ft right of centerline, 320ft MSL. Tree 3417ft from DER, 154ft right of centerline, 321ft MSL. Tree 3490ft from DER, 578ft right of centerline, 322ft MSL. Trees beginning 3529ft from DER, 28ft right of centerline, up to 326ft MSL. Tree 3625ft from DER, 218ft left of centerline, 308ft MSL. Trees beginning 3736ft from DER, 12ft left of centerline, up to 328ft MSL. Trees beginning 3844ft from DER, 8ft right of centerline, up to 334ft MSL. Trees beginning 4454ft from DER, 506ft right of centerline, up to 342ft MSL. Tree 5186ft from DER, 639ft right of centerline, 343ft MSL. Tree 5264ft from DER, 704ft right of centerline, 348ft MSL.
31L	Trees beginning 1663ft from DER, 625ft right of centerline, up to 271ft MSL.

Changes: Track, PROC renumbered, HLDG



ILS or LOC 13R 110.7 IHO

44 DUCKA D29 UBG D29 UBG Arc 2119 DAFFI R334/D29 UBG

50 COUVE D21.9 UBG D243 BTG D22.4 BTG

35 DOLLA R235 BTG D21 BTG JIKIM R225 BTG D19.9 BTG

3605 3513 3464 VAR 16° E MAG UP AD ELEV 208

3500 3500 3500 3500 3500 3500 3500

3605 3605 3605 3605 3605 3605 3605

LOC 3.00° D UBG 128° RWY 127°

21.3	20	18	16	14	13
3700	3270	2570	1860	1120	740

13R 83.0° 2012 x 46 60 HL

ML-P1R THR 200 (7hPa) / TDZ 203 (---) 0.0%

D29 UBG DUCKA **D21.9 COUVE** **D21.3 DOLLA** **D19 JIKIM** **D15.5** **D11.8 RW13R** **UBG**

3700 3300 2900 1660 MDA 44

128° at MNM 1000 RT direct UBG climb 3000

DIST to THR 15 10.8 10 8.3 5.4 5 4.5 0

13R TERPs **Cat 1 1)** **Cat 1 PDX QNH 2)** **LOC PDX QNH 2)** **LOC PDX QNH 2)** **Circling New TERPS** **Circling 2) New TERPS**

C	ft - ft/SM ft	200 - 1800R/0.5V 410	260 - 2400R/0.5V 470	480 - 5000R/1.0V 680	540 - 1.38V 740	600 - 1.5V 810	600 - 1.5V 810
D	ft - ft/SM ft	200 - 1800R/0.5V 410	260 - 2400R/0.5V 470	480 - 5000R/1.0V 680	540 - 1.38V 740	780 - 2.5V 980	840 - 2.5V 1040

1) FD or AP or HGS to DA required, else use RVR 2400ft or VIS 0.5SM

2) Use with Portland Int'l (KPDX) QNH

1) FD or AP or HGS to DA required, else use RVR 2400ft or VIS 0.5SM

2) Use with Portland Intl (KPPX) QNH

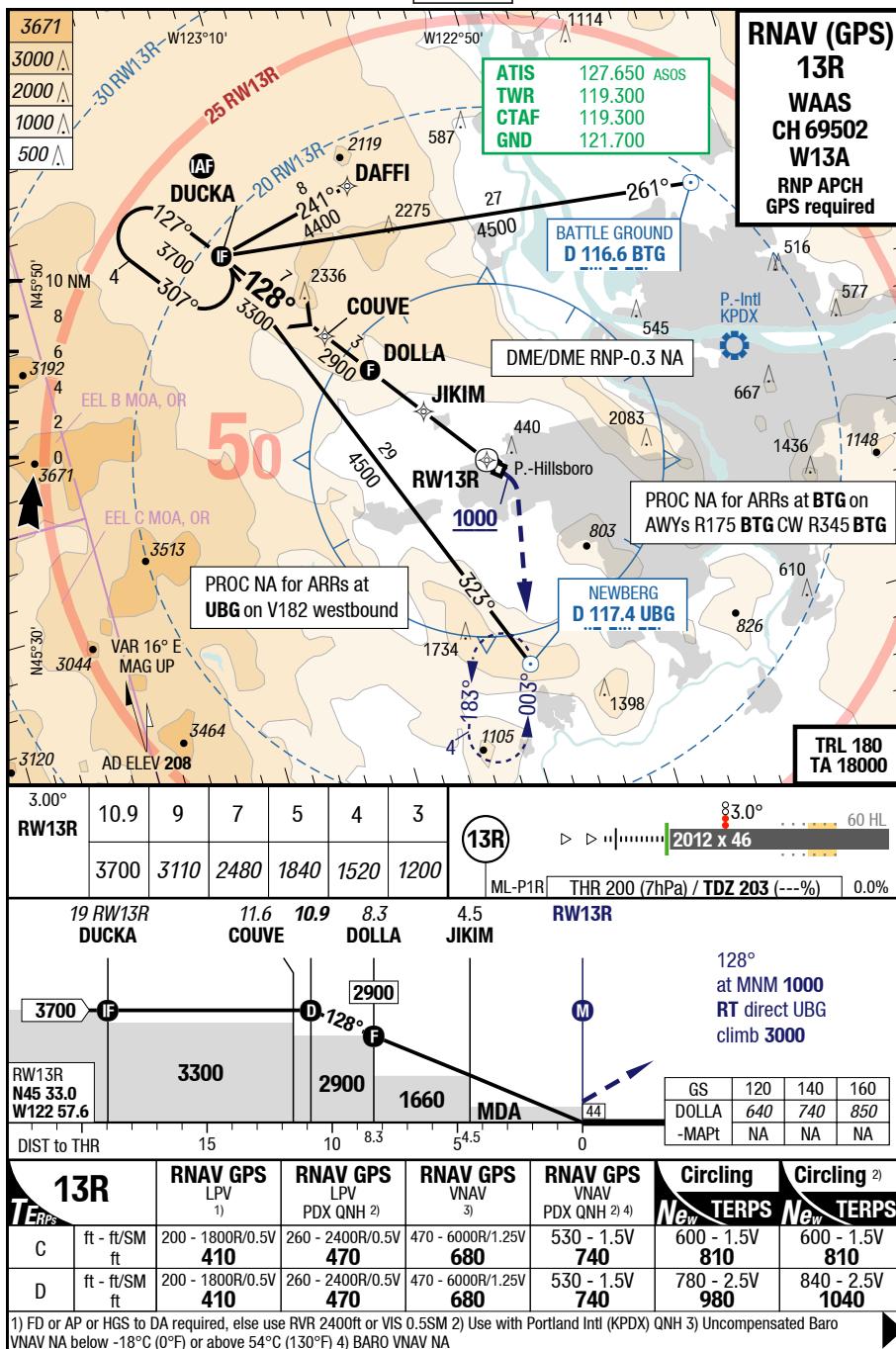
24-MAY-2018

HIO-KHIO

7-30

IAC

RNAV (GPS) 13R



Changes: new

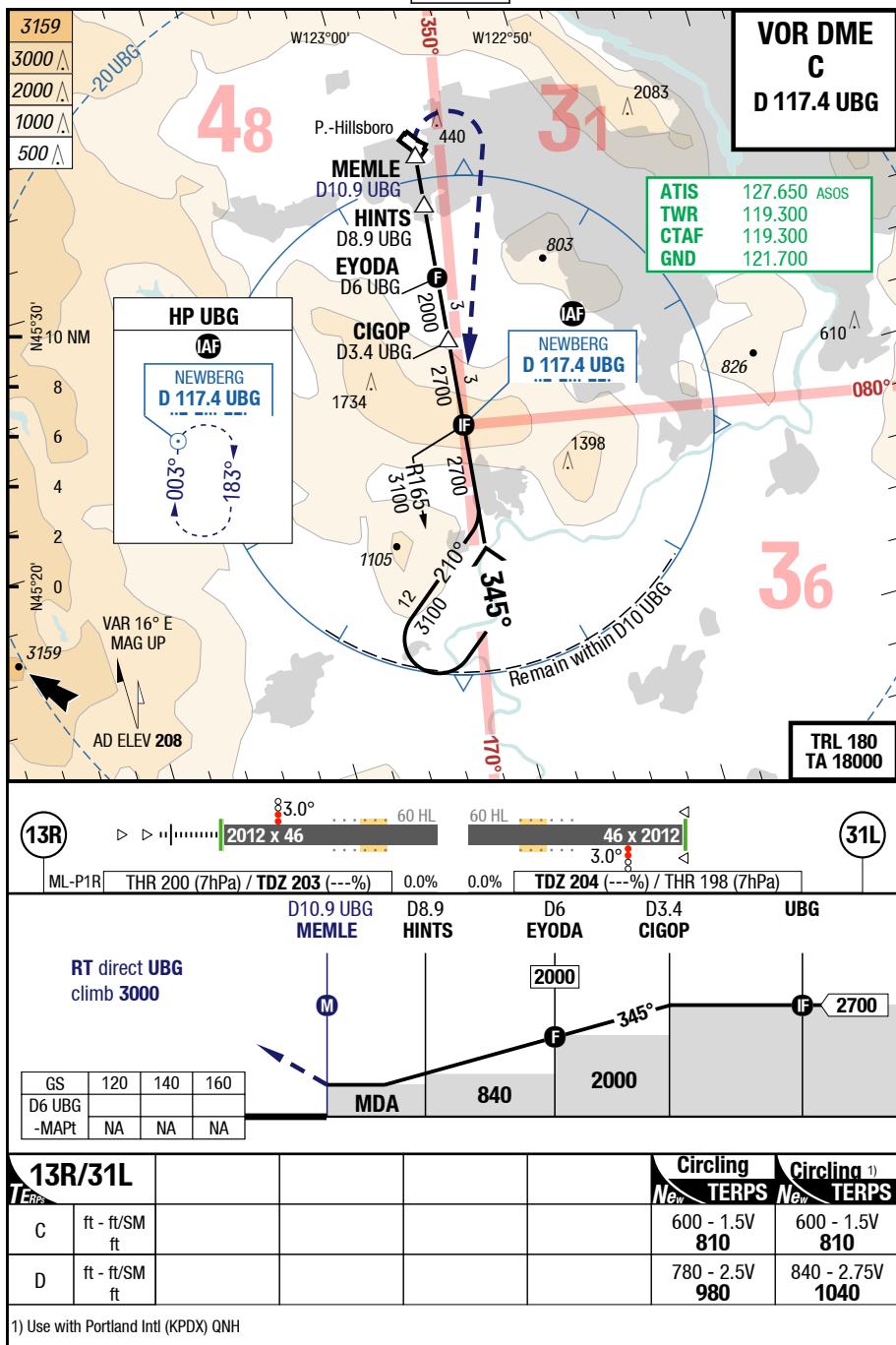
AMDT 2B

HIO-KHIO

E6E7

81

AMDT 1



1) Use with Portland Intl (KPDX) QNH

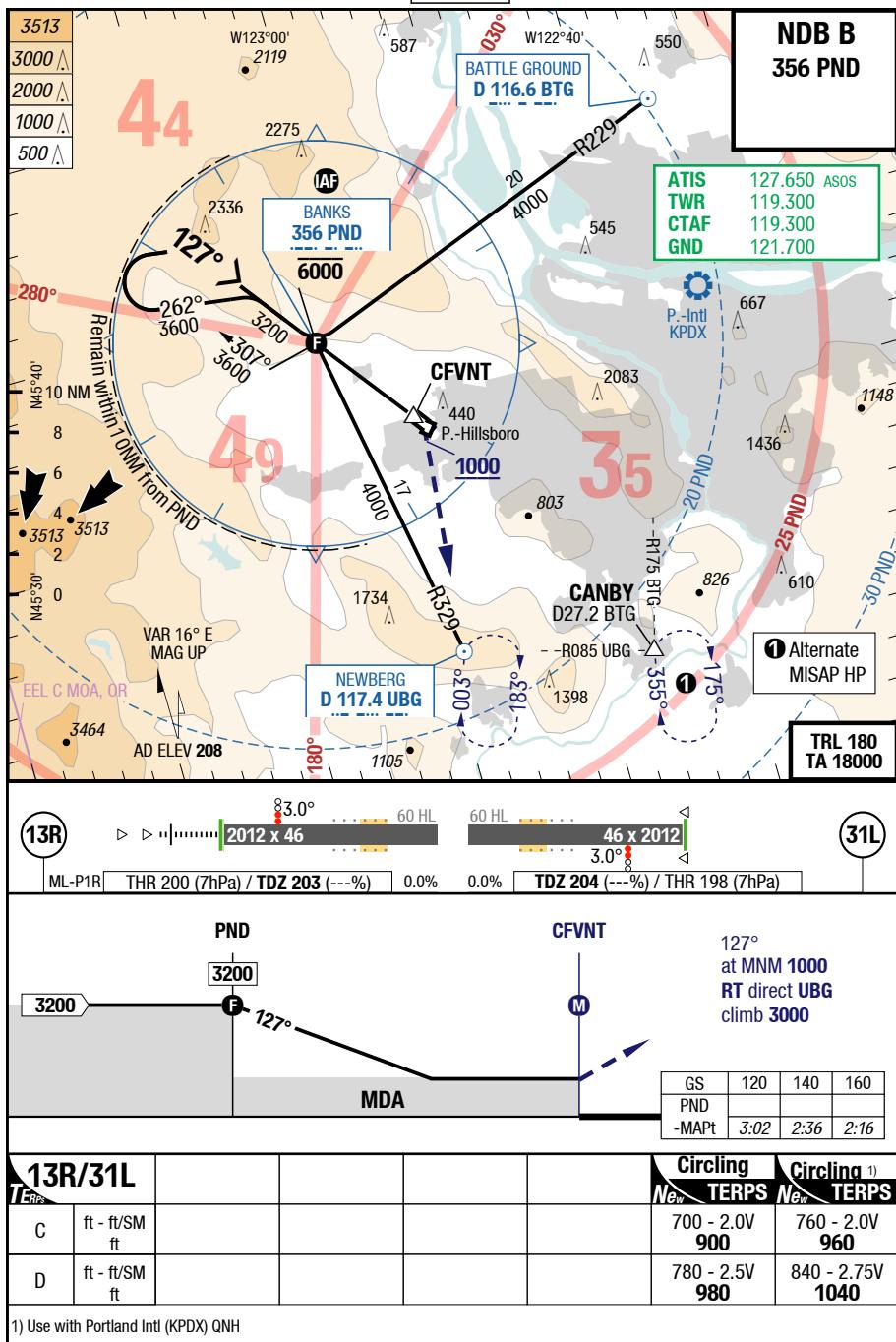
24-MAY-2018

HIO-KHIO

7-60

IAC

NDB B



HIO-KHIO

7-70

WxMinima Overflow

13R		LOC wo JIKIM	LOC wo JIKIM PDX QNH 1)			Circling 2) New TERPS	Circling 1 2) New TERPS
C	ft - ft/SM ft	1460 - 3.0V 1660	1520 - 3.0V 1720			1460 - 3.0V 1660	1520 - 3.0V 1720
D	ft - ft/SM ft	1460 - 3.0V 1660	1520 - 3.0V 1720			1460 - 3.0V 1660	1520 - 3.0V 1720

1) Use with Portland Intl (KPDX) QNH

2) wo JIKIM

13R		RNAV GPS LNAV	RNAV GPS LNAV PDX QNH 1)				
C	ft - ft/SM ft	480 - 5000R/1.0V 680	540 - 1.25V 740				
D	ft - ft/SM ft	480 - 5000R/1.0V 680	540 - 1.25V 740				

1) Use with Portland Intl (KPDX) QNH

31L		RNAV GPS LNAV	RNAV GPS LNAV PDX QNH 1)				
C	ft - ft/SM ft	460 - 1.38V 660	520 - 1.5V 720				
D	ft - ft/SM ft	460 - 1.38V 660	520 - 1.5V 720				

1) Use with Portland Intl (KPDX) QNH