

**GENERAL****Operational Hours****ATS Hours:** TWR 1045-0500 $\pm$ , use CTAF outside TWR OPS hours**AD OPS Hours:** Attended 1100-0300 $\pm$ **Airport Information****RFF:** FAA Index B / CAT 6**Fuel:** Jet A, 1100-0300 $\pm$ ; other times O/R.**PCN:** Not published**Operation****Traffic Note**

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

**Preferential RWY**0500-1045 $\pm$ :

LDG: RWY 11.

DEP: RWY 29.

**TWY Restriction**

TWY A east of RWY 18/36 is CLSD to ACFT with wingspan above 41m / 135ft.

**VOR TEST FACILITY (VOT):** 111.0**Warnings**

Birds in vicinity of AD.

**ARRIVAL****Speed**

MAX IAS 250KT below 10000ft.

**Communication****COM Failure:** See CRAR.**Arrival Procedure****Land And Hold Short Operation (LAHSO)**

These OPS include LDG and hold short of an intersection RWY/TWY or other pretermained points on the RWY other than RWY or TWY marked with (\*).

LDG RWY	Hold Short Point (HSP)	Distance
RWY 11	RWY 18/36*	1768m / 5800ft
RWY 18	RWY 11/29*	945m / 3100ft

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

RWY		29	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	-
3+4 ENG		0 - 2400R/0.5V	-
RWY		11	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	MNM climb gradient 4.5% up to 400 SID HSKEL:
3+4 ENG		0 - 2400R/0.5V	MNM climb gradient 5.8% up to 1300 SID NUBLE: MNM climb gradient 8.3% up to 580
RWY		18	
1+2 ENG	ft - ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	-
RWY		36	
1+2 ENG	ft - ft/SM	0 - 1.0V	MNM climb gradient 3.9% up to 600
3+4 ENG		0 - 0.5V	

**Speed**

MAX IAS 250KT below 10000ft.

**Communication**

**COM Failure:** See CRAR and in addition;

If no radio contact established within 2min after DEP, proceed on course and climb to requested ALT or 10000ft whichever is lower.

Effective 02-MAR-2017

23-FEB-2017

PWM-KPWM

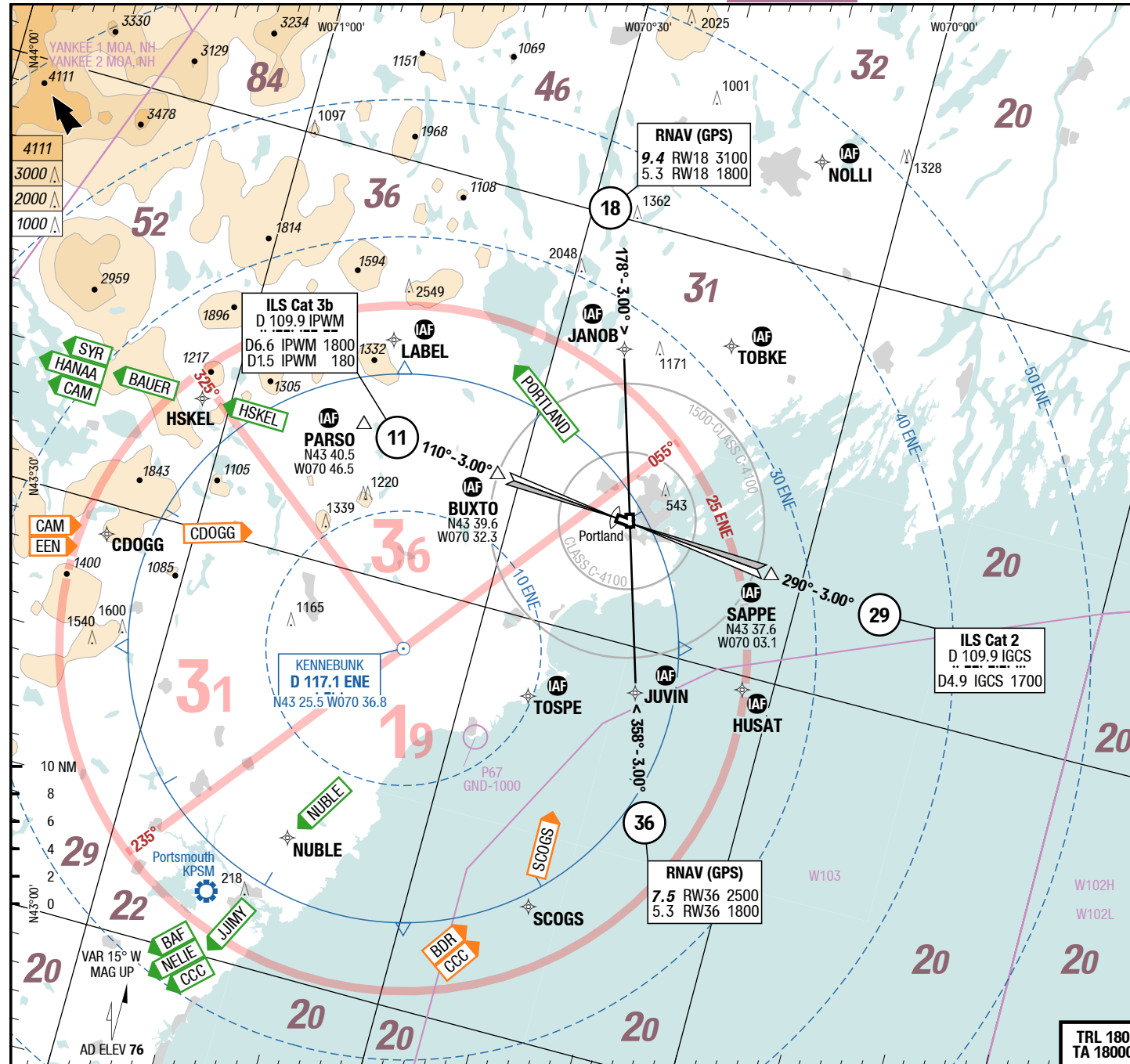
United States **Portland** Portland Intl Jetport

AGC  
AFC

Portland Intl Jetport **Portland** United States

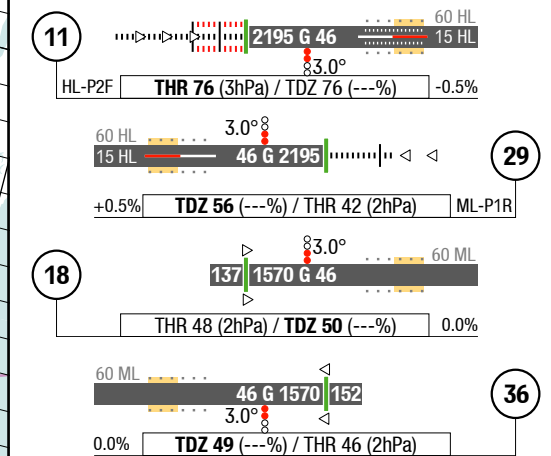
AGC  
AFC

2-10

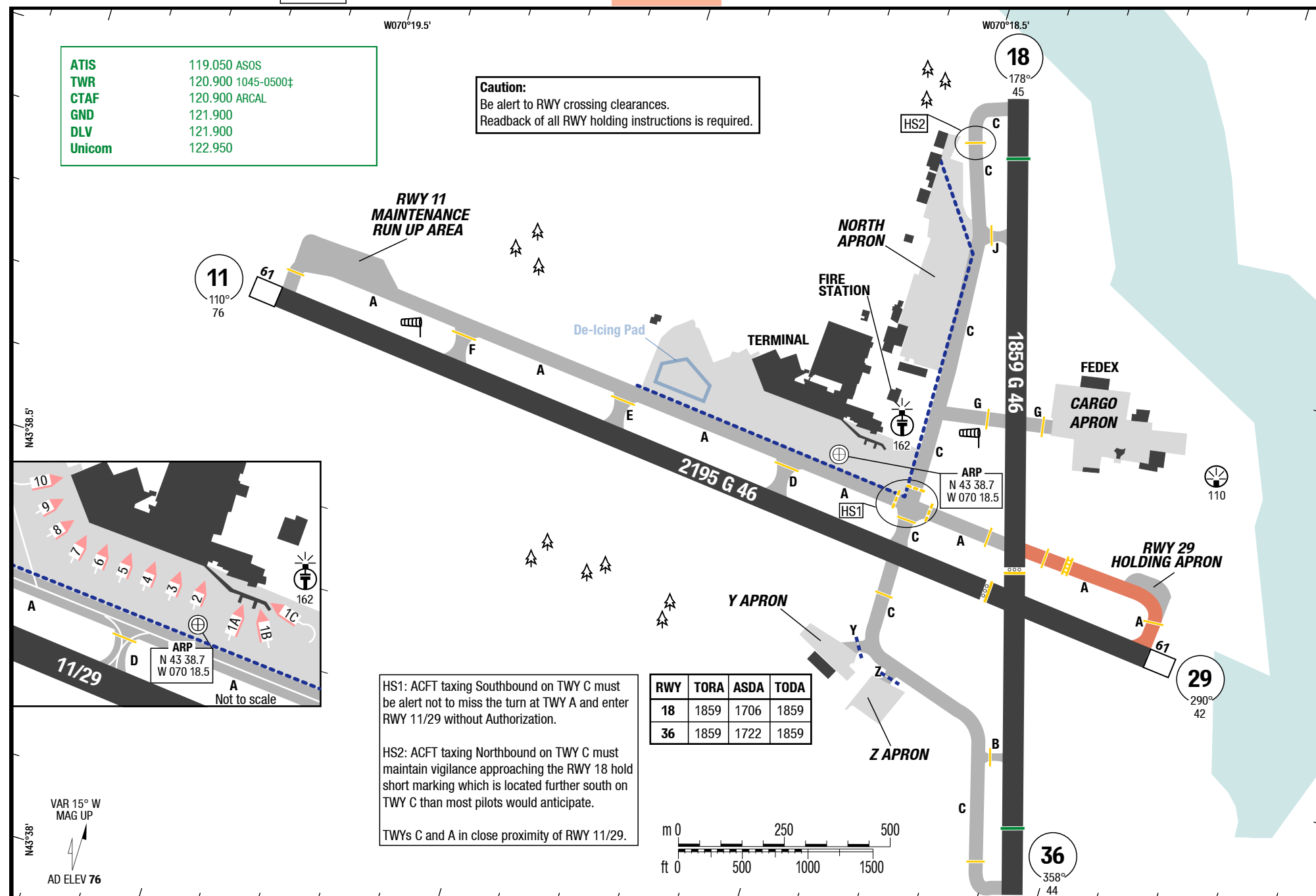


**ATIS** 119.050 ASOS  
**APP** 119.750 1045-0500+ 132.400 1045-0500+  
125.500 1045-0500+  
**DEP** 119.750 1045-0500+ 132.400 1045-0500+  
125.500 1045-0500+  
**Boston Center APP** 128.200 0500-1045+  
**Boston Center DEP** 128.200 0500-1045+  
**TWR** 120.900 1045-0500+  
**CTAF** 120.900 ARCAL  
**GND** 121.900  
**DLV** 121.900  
**Unicom** 122.950

**Landing RWY system:**



Changes: SUAs, OBST, APCH boxes



Effective 05-JAN-2017

29-DEC-2016

PWM-KPWW

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NIL  
LVC

LVC

LVC

NIL  
LVC

Portland Intl Jetport **Portland** United States

3-30

ATIS	119.050 ASOS
TWR	120.900 1045-0500±
CTAF	120.900 ARCAL
GND	121.900
DLV	121.900
Unicom	122.950

RWY 11  
MAINTENANCE  
RUN UP AREA

NORTH  
APRON

FIRE  
STATION

TERMINAL

Effective 13-SEP-2018

06-SEP-2018

PWM-KPWM

United States **Portland** Portland Intl Jetport

NUBLE 4 RNAV

**HSKEL 3 RNAV**

SID

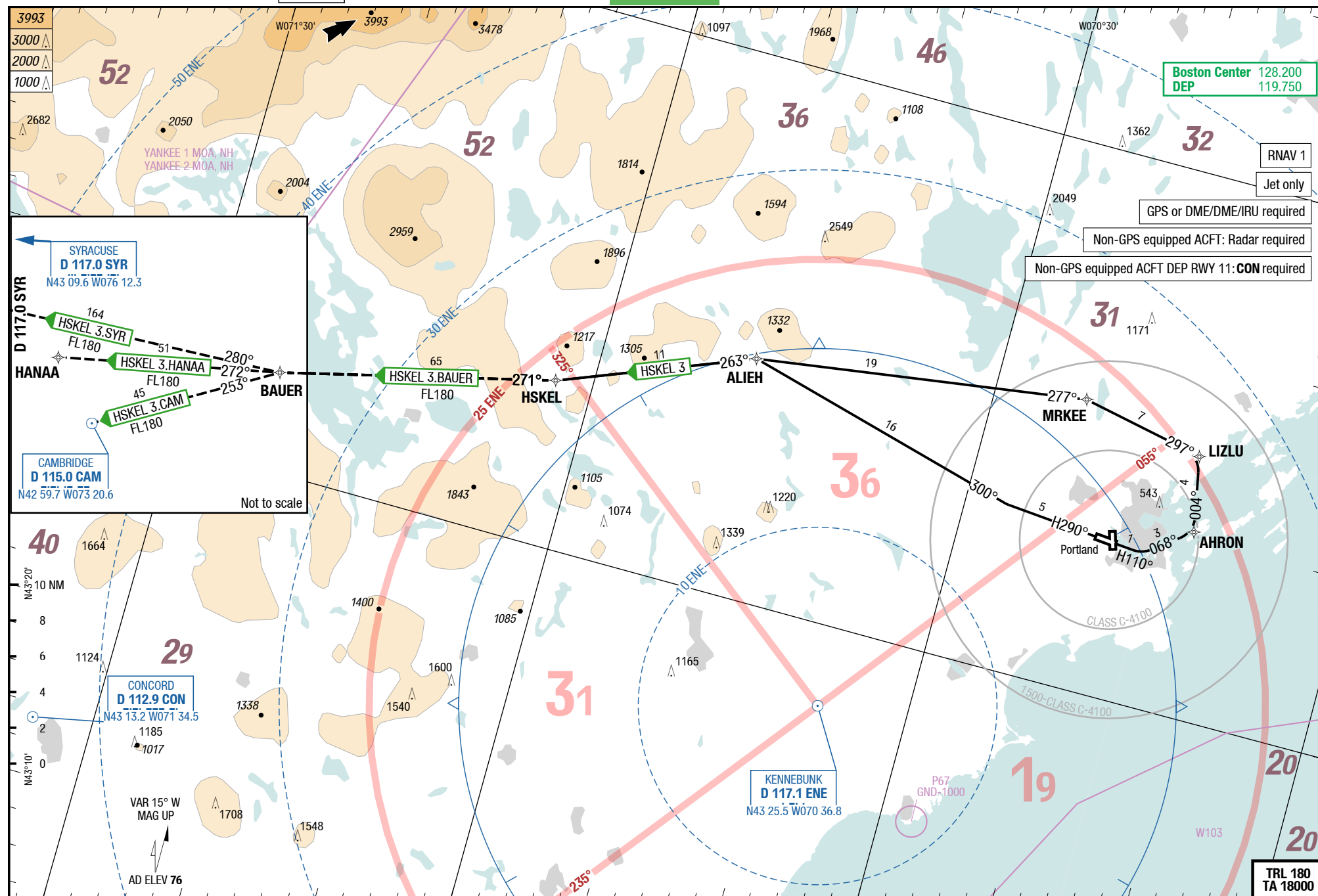
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Portland Intl Jetport **Portland** United States

NUBLE 4 RNAV

**HSKEL 3 RNAV**

4-10



Changes: PROC renumbered, OBST

## PWM-KPWM

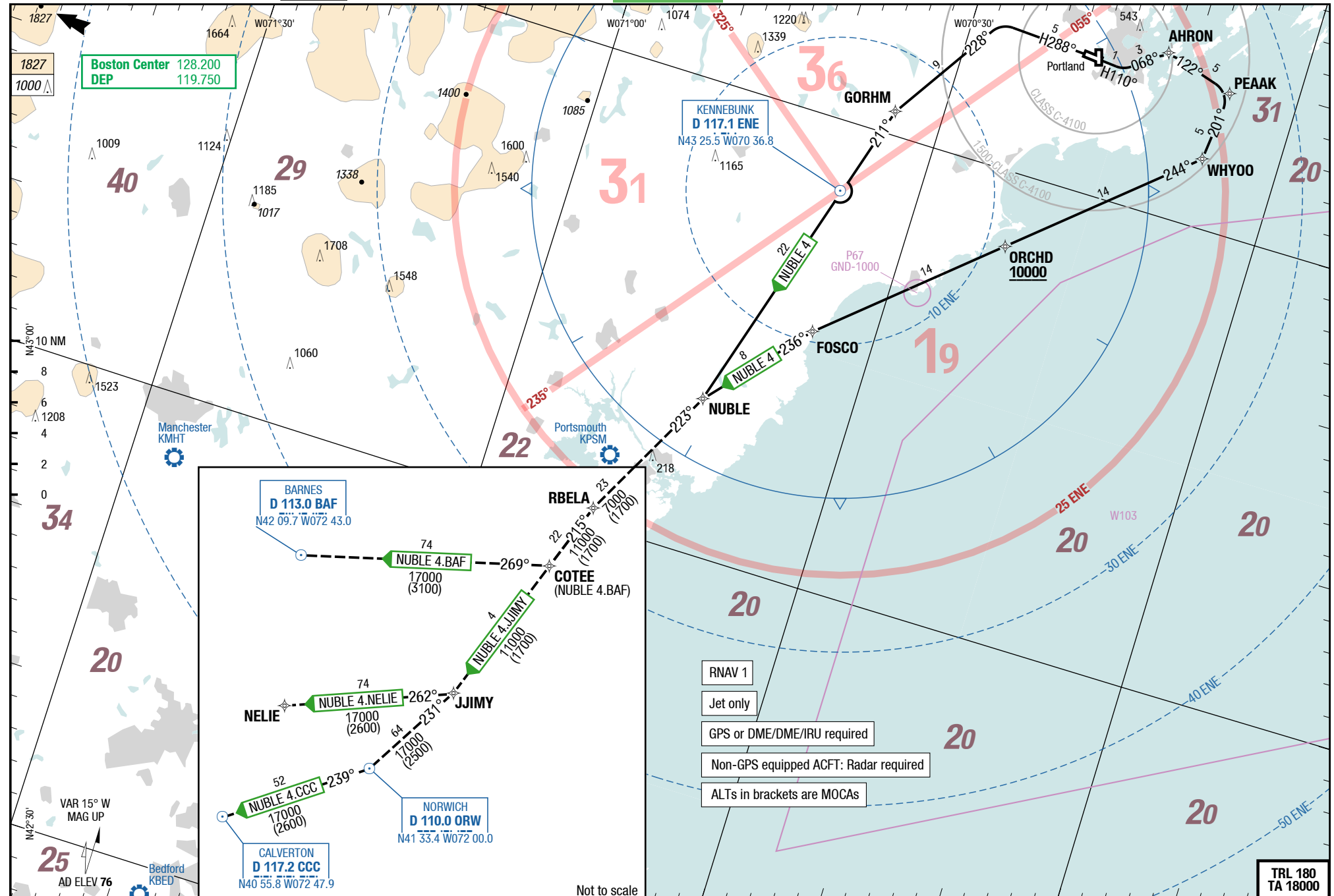
SID

SID

## NUBLE 4 RNAV

4-20

## NUBLE 4 RNAV



Changes: Track, OBST, PROC renumbered

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06-SEP-2018

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SID

SID

Portland Intl Jetport **Portland** United States

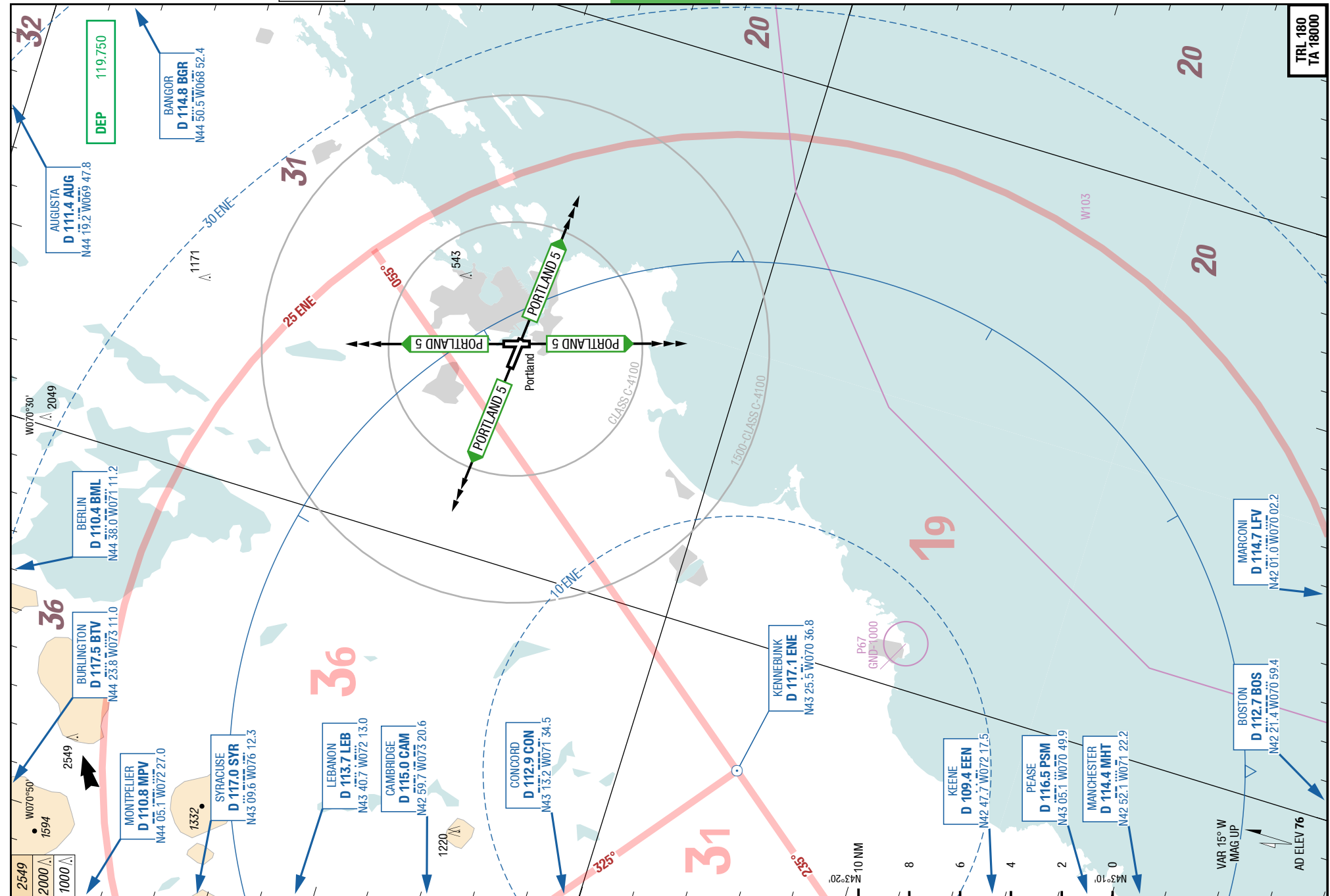
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## PORTLAND 5 (PWM5)

## PWM-KPWM

4-30

## PORTLAND 5 (PWM5)



Changes: chart layout, PROC renumbered



**PWM-KPWM**

5-10

**HSKEL 3 RNAV****HSKEL 3**

RWYs 11 (110°) / 29 (290°)

	GS	120	150	180	210	240	270
5.8%	ft/MIN	800	900	1100	1300	1500	1600

DESIGNATOR	ROUTING	ALTITUDES
<b>HSKEL 3</b> (Jet) <b>119.750</b> ①		<b>initial climb 3000</b> <b>initial climb 5000</b> (when TWR closed)
<b>RWY 11</b> 5.8% to 1300	HDG 110° - intercept 068° to AHRON - LIZLU - MRKEE - ALIEH - HSKEL	
<b>RWY 29</b>	HDG 290° - intercept 300° to ALIEH - HSKEL	
	<b>TRANSITION</b>	
	<b>BAUER</b> HSKEL - BAUER	
	<b>CAMBRIDGE (CAM)</b> HSKEL - BAUER - CAM	
	<b>HANAA</b> HSKEL - BAUER - HANAA	
	<b>SYRACUSE (SYR)</b> HSKEL - BAUER - SYR	

① Expect clearance to filed ALT 5 MIN after DEP.

**PWM-KPWM**

5-20

**NUBLE 4 RNAV****NUBLE 4**

RWYs 11 (110°) / 29 (290°)

	GS	120	150	180	210	240	270
8.3%	ft/MIN	1100	1300	1600	1800	2100	2300

DESIGNATOR	ROUTING	ALTITUDES
<b>NUBLE 4</b> (Jet) <b>119.750</b> ①		
<b>RWY 11</b> 8.3% to 580	HDG 110° - intercept 068° to AHRON - PEAAC - WHY00 - ORCHD - FOSCO - NUBLE	<b>ORCHD MNM 10000</b>  <b>initial climb 3000</b> <b>initial climb 5000</b> (when TWR closed)
<b>RWY 29</b>	HDG 288° - intercept 228° to GORHM - NUBLE	<b>initial climb 3000</b> <b>initial climb 5000</b> (when TWR closed)
	<b>TRANSITION</b>	
	<b>BARNES (BAF)</b> NUBLE - RBELA - COTEE - <b>BAF</b>	
	<b>CALVERTON (CCC)</b> NUBLE - RBELA - JJIMY - <b>ORW - CCC</b>	
	<b>JJIMY</b> NUBLE - RBELA - JJIMY	
	<b>NELIE</b> NUBLE - RBELA - JJIMY - NELIE	

① Expect clearance to filed ALT 5 MIN after DEP.

**PWM-KPWM**

5-30

**PORTLAND 5 (PWM5)****PORTLAND 5**

RWYs 11 (110°) / 18 (178°) / 29 (290°) / 36 (358°)

DESIGNATOR	ROUTING	ALTITUDES
<b>PORTLAND 5</b> <b>PWM 5</b> <b>119.750</b> ①		<b>initial climb 3000</b> <b>initial climb 5000</b> (when TWR closed)
<b>RWY 11</b>	HDG 110° or as assigned by ATC - radar vectors to assigned route / navaid / fix	
<b>RWY 18</b>	HDG 178° or as assigned by ATC - radar vectors to assigned route / navaid / fix	
<b>RWY 29</b>	HDG 290° or as assigned by ATC - radar vectors to assigned route / navaid / fix	
<b>RWY 36</b>	HDG 110° or as assigned by ATC - radar vectors to assigned route / navaid / fix	

① Expect clearance to filed ALT 5 MIN after DEP.

**PWM-KPWW**

5-50

**Obstacle Departure**

<b>Obstacle Departure</b>	
<b>RWY</b>	<b>Notes</b>
<b>11</b>	Tree 481ft from DER, 563ft right of centerline, 32ft AGL/69ft MSL. Tree 650ft from DER, 551ft left of centerline, 25ft AGL/67ft MSL. Trees beginning 5943ft from DER, 1152ft left of centerline, up to 189ft AGL/230ft MSL. Trees beginning 1NM from DER, 2025ft left of centerline, up to 186ft AGL/228ft MSL. Trees beginning 1NM from DER, 1660ft left of centerline, up to 209ft AGL/251ft MSL.
<b>18</b>	Tree 107ft from DER, 522ft right of centerline, 33ft AGL/77ft MSL. Tree 178ft from DER, 481ft right of centerline, 38ft AGL/82ft MSL. Trees beginning 207ft from DER, left and right of centerline, up to 57ft AGL/78ft MSL. Trees beginning 403ft from DER, 503ft right of centerline, up to 66ft AGL/110ft MSL. Trees beginning 1038ft from DER, left and right of centerline, up to 65ft AGL/109ft MSL. Trees beginning 1257ft from DER, left and right of centerline, up to 83ft AGL/ 127ft MSL. Trees beginning 1676ft from DER, 217ft right of centerline, up to 99ft AGL/143ft MSL. Trees beginning 4242ft from DER, 1132ft right of centerline, up to 124ft AGL/168ft MSL.
<b>29</b>	Trees beginning 1301ft from DER, 789ft left of centerline, up to 47ft AGL/122ft MSL. Trees 2185ft from DER, 830ft left of centerline, up to 74ft AGL/149ft MSL. Trees beginning 2742ft from DER, 811ft right of centerline, up to 83ft AGL/180ft MSL. Trees beginning 3103ft from DER, 1245ft left of centerline, up to 114ft AGL/ 189ft MSL. Trees beginning 4218ft from DER, 1382ft left of centerline, up to 129ft AGL/204ft MSL.
<b>36</b>	Building 11ft from DER, 149ft left of centerline, 2ft AGL/46ft MSL. Fence 23ft from DER, 495ft left of centerline, 21ft AGL/68ft MSL. Vehicles on road, beginning 196ft from DER, 251ft left of centerline, up to 17ft AGL/56ft MSL. Trees beginning 364ft from DER, 87ft left of centerline, up to 60ft AGL/73ft MSL. Trees beginning 21ft from DER, 252ft left of centerline, up to 56ft AGL/101ft MSL. Trees beginning 238ft from DER, 515ft left of centerline, up to 68ft AGL/ 112ft MSL. Trees beginning 1281ft from DER, 832ft right of centerline, up to 85ft AGL/129ft MSL. Trees beginning 1699ft from DER, 450ft right of centerline, up to 76ft AGL/121ftMSL. Trees beginning 2298ft from DER, 848ft left of centerline, up to 81ft AGL/125ft MSL. Tree 3545ft from DER, 1437ft left of centerline, 93ft AGL/ 138ft MSL.

Effective 10-DEC-2015

03-DEC-2015

PWM-KPWM

United States **Portland** Portland Intl Jetport

SCOGS 3 RNAV

**CDOGG 3 RNAV**

STAR

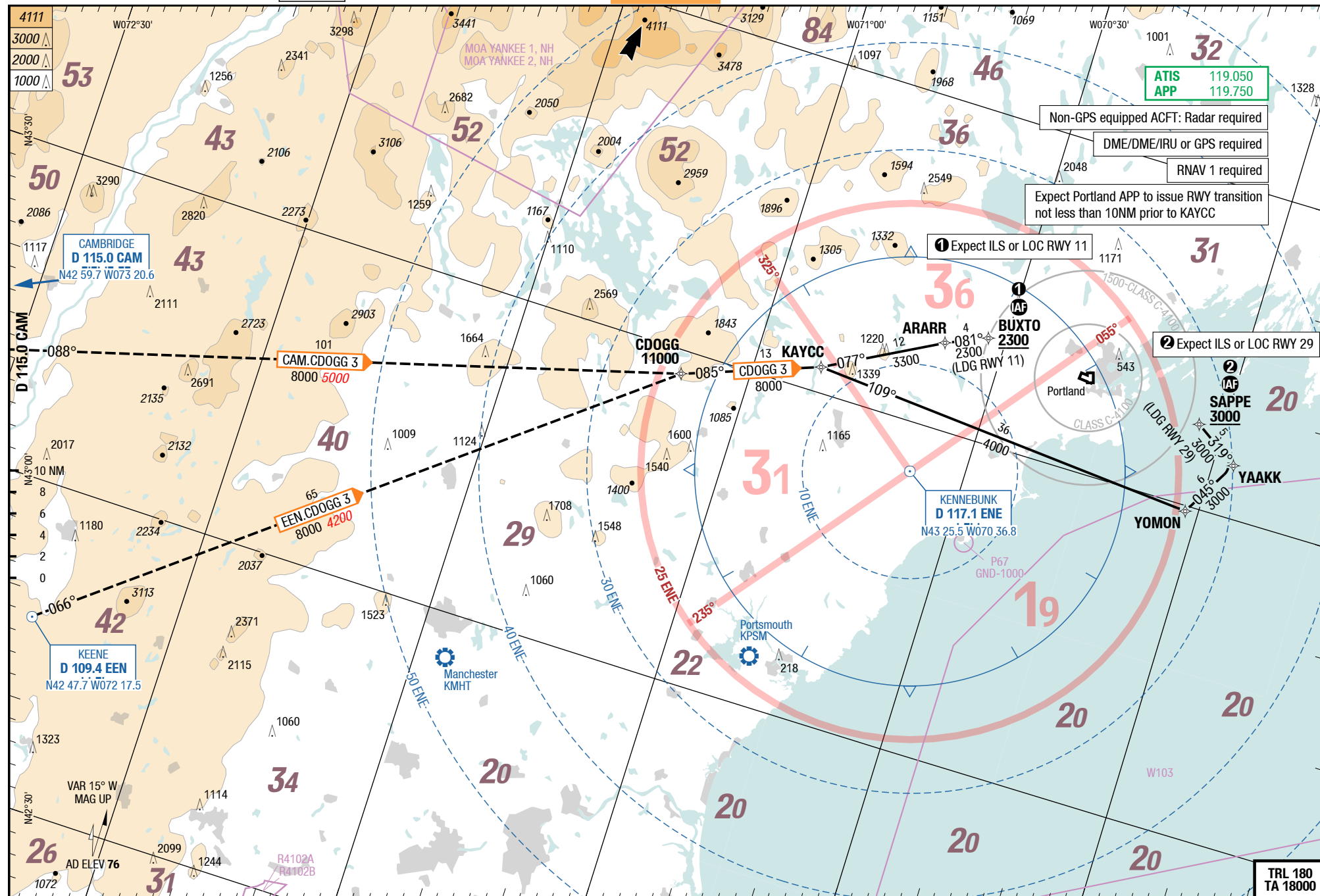
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Portland Intl Jetport **Portland** United States

SCOGS 3 RNAV

**CDOGG 3 RNAV**

6-10



Changes: Track, VAR, PROC renumbered, OBST

Effective 10-DEC-2015

03-DEC-2015

PWM-KPWM

United States **Portland** Portland Intl Jetport

STAR

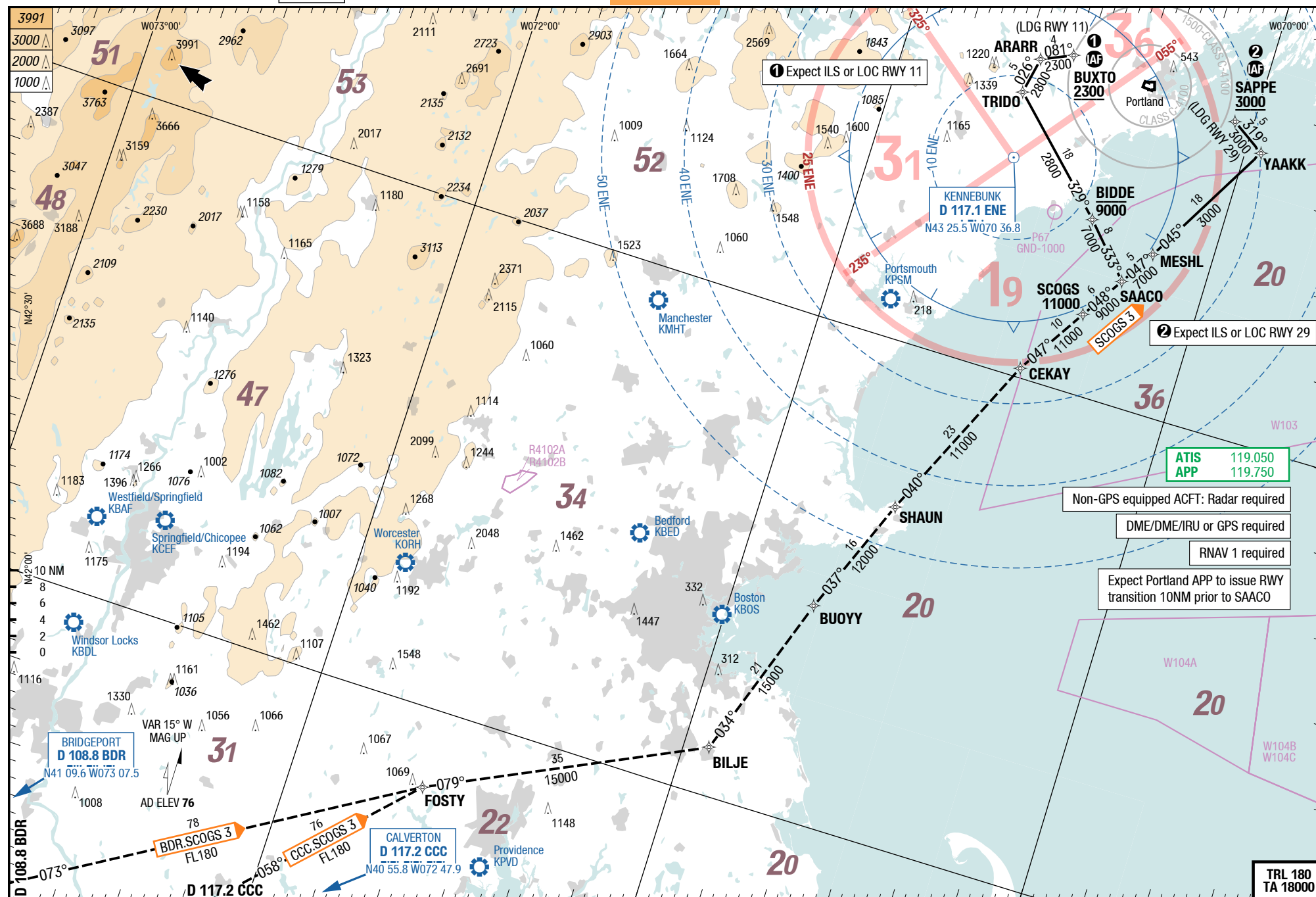
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Portland Intl Jetport **Portland** United States

6-20

SCOGS 3 RNAV

SCOGS 3 RNAV



Changes: Track, PROC renumbered, OBST, VAR

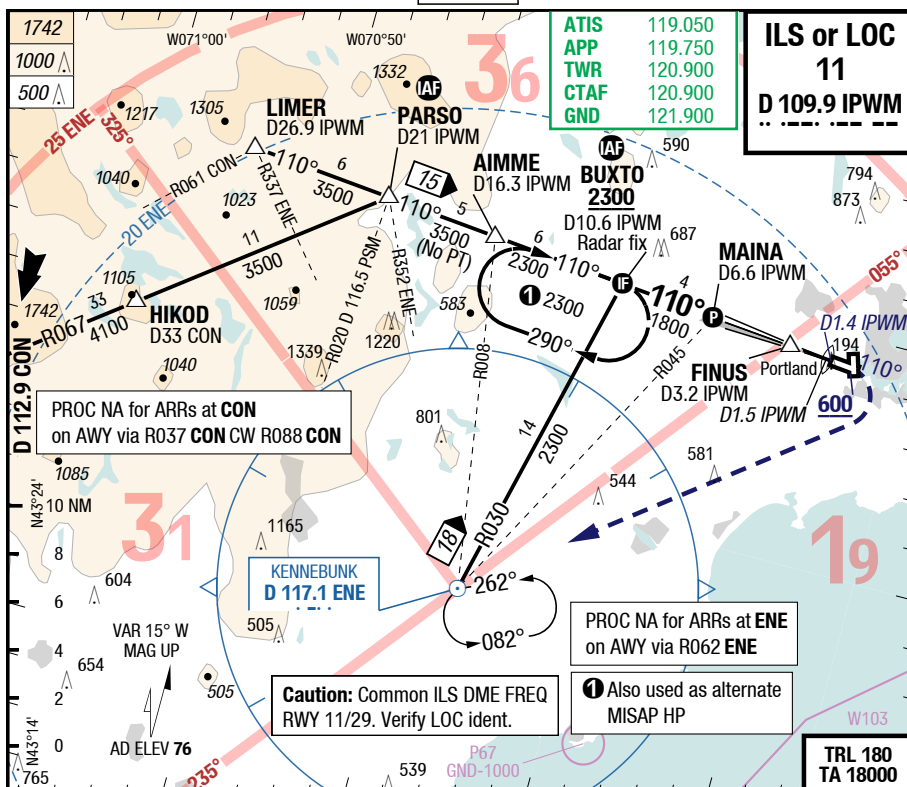
TRL 180  
TA 18000

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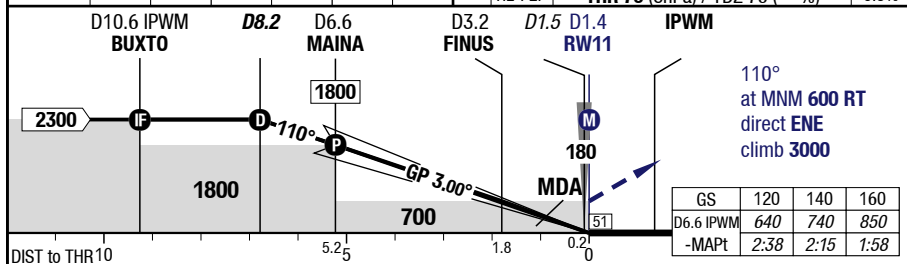
## PWM-KPWM

7-10

## ILS or LOC 11



LOC 3.00° D IPWM	8.2	8	7	6	5	4	<div> <div>11</div> <div> </div> </div>
	2300	2250	1930	1610	1290	970	



11		Cat 3b 1)	Cat 2 1)	Cat 1 2) <i>L<sub>TS</sub></i>	Cat 1 3)	LOC DME	Circling <i>N<sub>ew</sub></i> TERPS
C	ft - ft/SM ft	0 - 600R <b>Company</b>	100 - 1200R <b>108</b> RA	200 - 1400R <b>280</b>	200 - 1800R/0.5V <b>280</b>	370 - 3500R/0.63V <b>440</b>	670 - 1.75V <b>740</b>
D	ft - ft/SM ft	0 - 600R <b>Company</b>	100 - 1200R <b>108</b> RA	200 - 1400R <b>280</b>	200 - 1800R/0.5V <b>280</b>	370 - 3500R/0.63V <b>440</b>	790 - 2.5V <b>860</b>

1) PROC NA when TWR CLSD

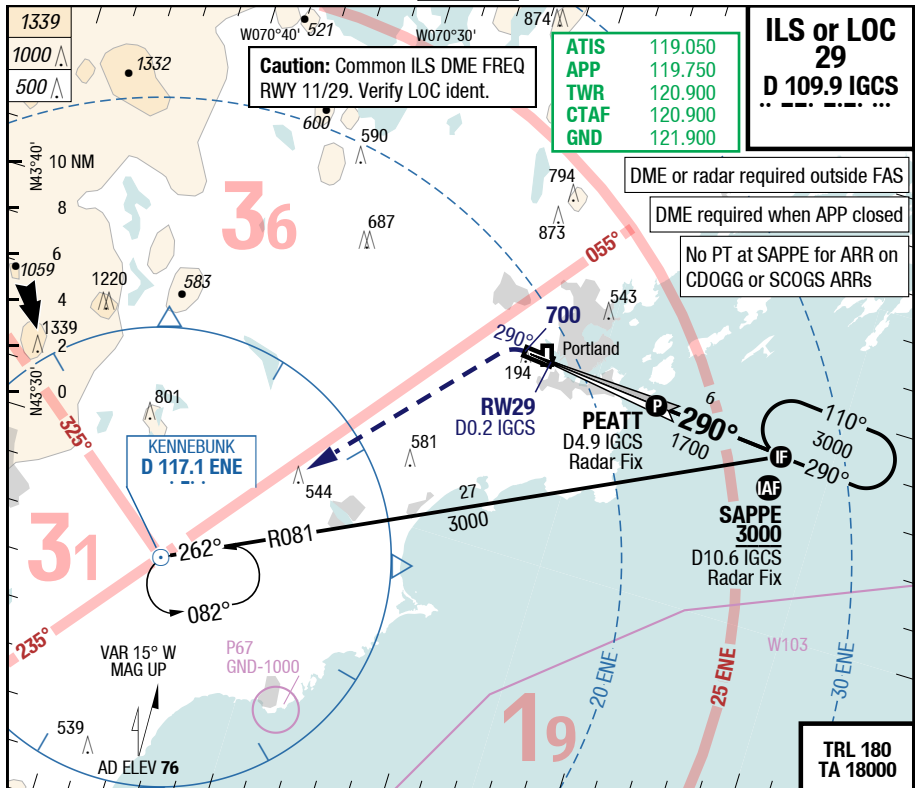
3) With EVS RVR 1200ft/ VIS 0.2SM



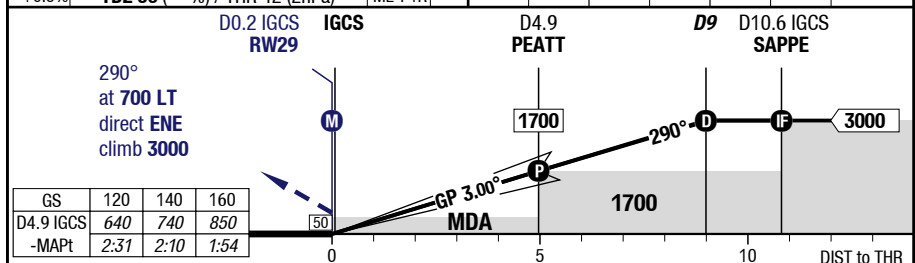
**PWM-KPWM**

7-20

**ILS or LOC 29**



60 HL	3.0° 8	3	4	6	7	8	9	LOC 3.00°
15 HL	46 G 2195	1100	1420	2060	2380	2700	3000	D IGCS
+0.5% TDZ 56 (---%) / THR 42 (2hPa) ML-P1R								



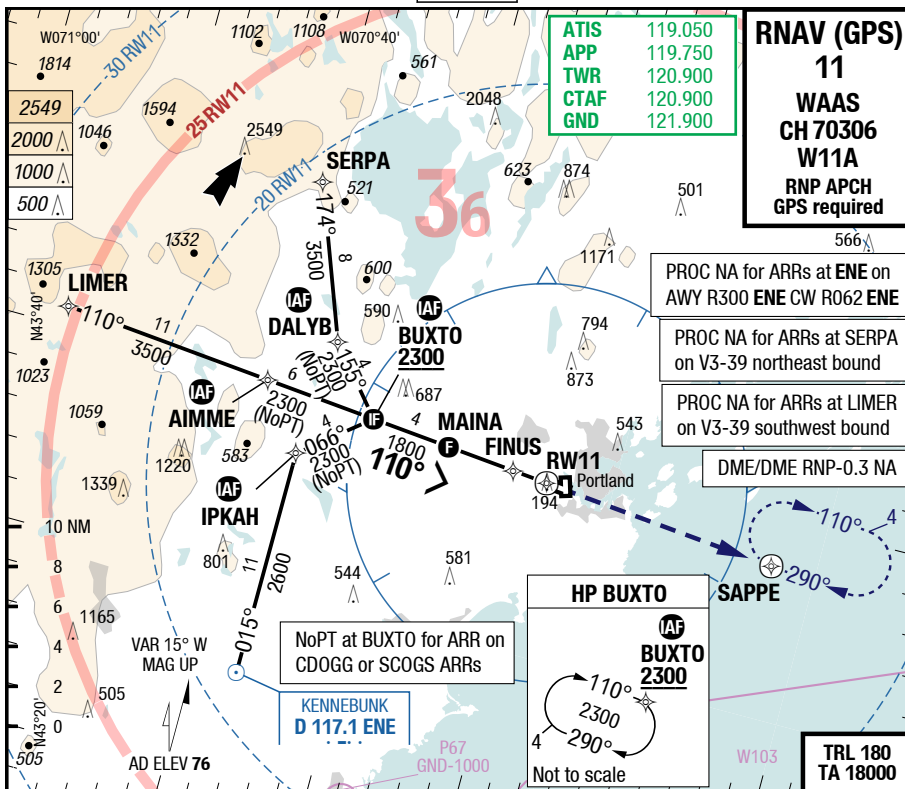
29	Cat 1	LOC	Circling	
	1)		Ne	TERPS
C	ft - ft/SM ft	200 - 1800R/0.5V 530 - 5500R/1.0V <b>260</b> <b>580</b>	670 - 1.75V <b>740</b>	
D	ft - ft/SM ft	200 - 1800R/0.5V 530 - 5500R/1.0V <b>260</b> <b>580</b>	790 - 2.5V <b>860</b>	

1) FD, AP or HGS required, else RVR 2400ft or VIS 0.5sm

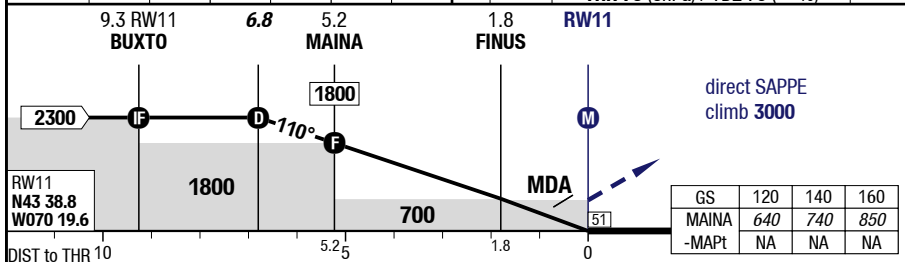
## PWM-KPWM

7-30

## RNAV (GPS) 11



3.00° <b>RW11</b>	6.8	6	5	4	3	2	
	2300	2040	1720	1400	1090	770	



<b>11</b>		<b>RNAV GPS</b> LPV	<b>RNAV GPS</b> VNAV 1)	<b>RNAV GPS</b> LNAV		<b>Circling</b> <b>N<sub>GW</sub> TERPS</b>
<b>C</b>	ft - ft/SM ft	200 - 1800R/0.5V <b>280</b>	380 - 4000R/0.75V <b>460</b>	450 - 4500R/0.88V <b>520</b>		670 - 1.75V <b>740</b>
<b>D</b>	ft - ft/SM ft	200 - 1800R/0.5V <b>280</b>	380 - 4000R/0.75V <b>460</b>	450 - 4500R/0.88V <b>520</b>		790 - 2.5V <b>860</b>

1) Uncompensated BARO VNAV NA below -18°C (0°F) or above 43°C (130°F)

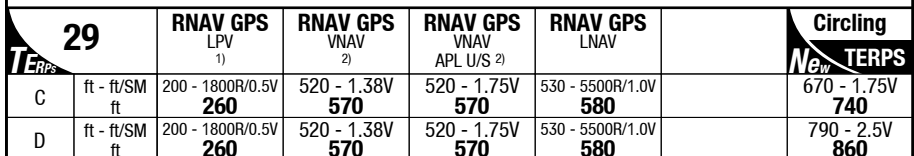
## RNAV (GPS) 18



GS	120	140	160
ZIRNO	640	740	850
-MAPt	NA	NA	NA

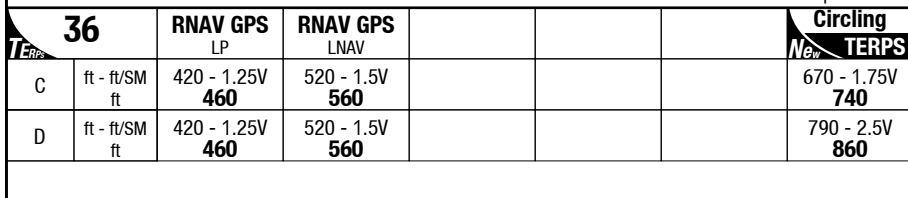
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## RNAV (GPS) 29

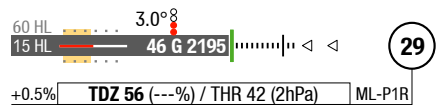
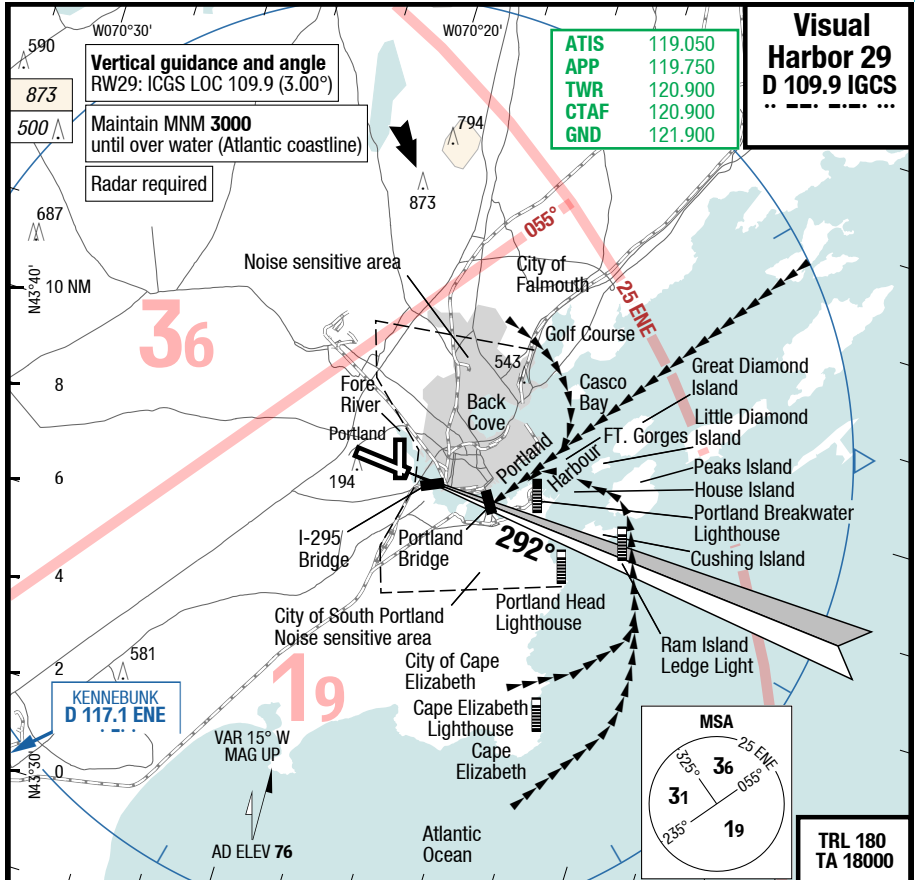


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## RNAV (GPS) 36



11-AUG-2016

**PWM-KPWM**
**7-70**
**Visual HARBOR 29**
**VAC**


29	VISUAL <sup>1)</sup>					Circling TERPS
C	ft - ft/SM ft	C 3000 - 4.0V				Not published
D	ft - ft/SM ft	C 3000 - 4.0V				Not published

<sup>1)</sup> HJ only

Changes: APL, OBST

AMDT 2

**PWM-KPWM**

**7-90**

**WxMinima Overflow**

<b>11</b>		<b>LOC</b> wo FINUS	<b>LOC</b> wo FINUS APL U/S				
C	ft - ft/SM ft	630 - 1.38V <b>700</b>	630 - 1.75V <b>700</b>				
D	ft - ft/SM ft	630 - 1.38V <b>700</b>	630 - 1.75V <b>700</b>				