

01-FEB-2018

TCM-KTCM**1-10****A0I****A0I****GENERAL****Operational Hours****ATS Hours / AD OPS Hours:** H24**Airport Information****RFF:** Not published**Fuel:** Jet A++**PCN:** RWY 16/34: 60/F/A/W/T**Operation****Traffic Note**

All transient ACFT require PPR.

1 week prior coordination with AD Manager is required for any taxi operation.

All ACFT must contact Command Post 134.100 no later than 30min prior to LDG.

Taxi/Parking

TWY K by towing only.

Warnings**TCM VOR** unusable:

R033-R043 beyond 12NM below 8500ft.

R043-R063 beyond 12NM.

R063-R076 beyond 19NM.

R076-R082 beyond 19NM below 8000ft.

R076-R082 beyond 24NM below 10000ft.

R142-R153 beyond 12NM.

R153-R163 beyond 12NM below 5800ft.

R207-R277 beyond 12NM.

R307-R082 beyond 10NM below 8000ft.

R307-R347 beyond 12NM.

R347-R033 beyond 19NM.

Coyotes or deer and birds in vicinity of AD.

01-FEB-2018

TCM-KTCM**1-20****A01****A01****ARRIVAL****Speed**

MAX IAS 250KT below 10000ft.

Arrival Procedure**VFR Traffic Pattern:** RWY 34 right-hand circuit.**Non-standard GP intercept position on RWY 16**GP intercepts RWY 16 at *320m / 1049ft* after landing threshold.Remaining LDG DIST beyond GP is *2761m / 9059ft*.**RWY 34**GP intercepts RWY 34 at *343m / 1126ft* after landing threshold.Remaining LDG DIST beyond GP is *2738m / 8982ft*.**Communication****COM Failure:** See CRAR and in addition;**ADYMS RNAV**

RWY 34: At ALDER, execute APCH, if unable, proceed direct CUBIT and hold as published, maintain 4000ft, squawk appropriate beacon code.

RWY 16: At ELBEE, turn left direct STEIL and execute APCH, if unable hold as published, maintain 4000ft, squawk appropriate beacon code.

ARRIE

Proceed direct to TCM VOR/DME.

ELLENSBURG RNAV

RWY 16: At WAALP, proceed direct STEIL and execute APCH, if unable hold as published, maintain 4000ft, squawk appropriate beacon code.

RWY 34: At JETEM, execute APCH, if unable, proceed direct CUBIT and hold as published, maintain 4000ft, squawk appropriate beacon code.

GLASR

From HETHR, proceed direct to SEA VOR/DME.

JAWBN

After ALKIA, proceed direct to SEA VOR/DME.

Warnings

PAPI GS not coincidental with ILS GS.

DEPARTURE**Take-off Minima**

RWY		16/34	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	SID MOCCA:
3+4 ENG		0 - 2400R/0.5V	MNM climb gradient 8.3% up to 3000

Speed

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR.

01-FEB-2018

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TCM-KTCM

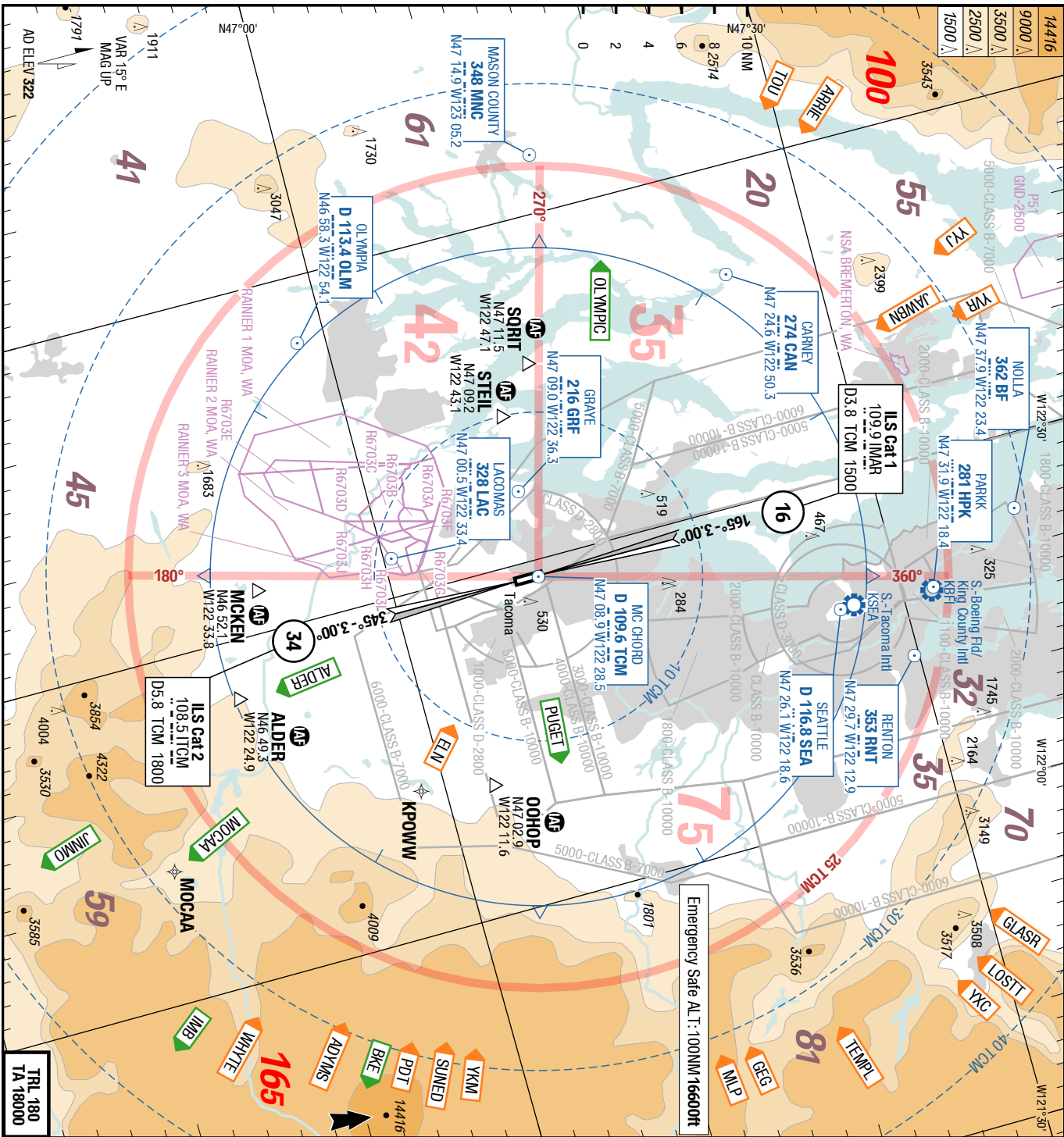
2-10

AFC

AFC

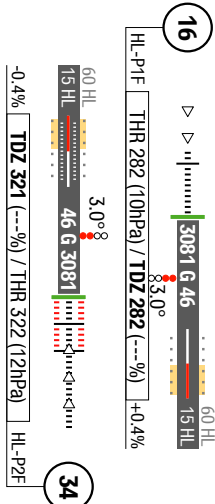
AFC

AFC



D-ATIS	109.600
Seattle APP	126.500
	125.600
	123.900
Seattle DEP	126.500
TWR	124.800
GND	118.175

Landing RWY system:



Changes: new



01-FEB-2018

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4-10

MOCAA 3 RNAV

ALDER 2

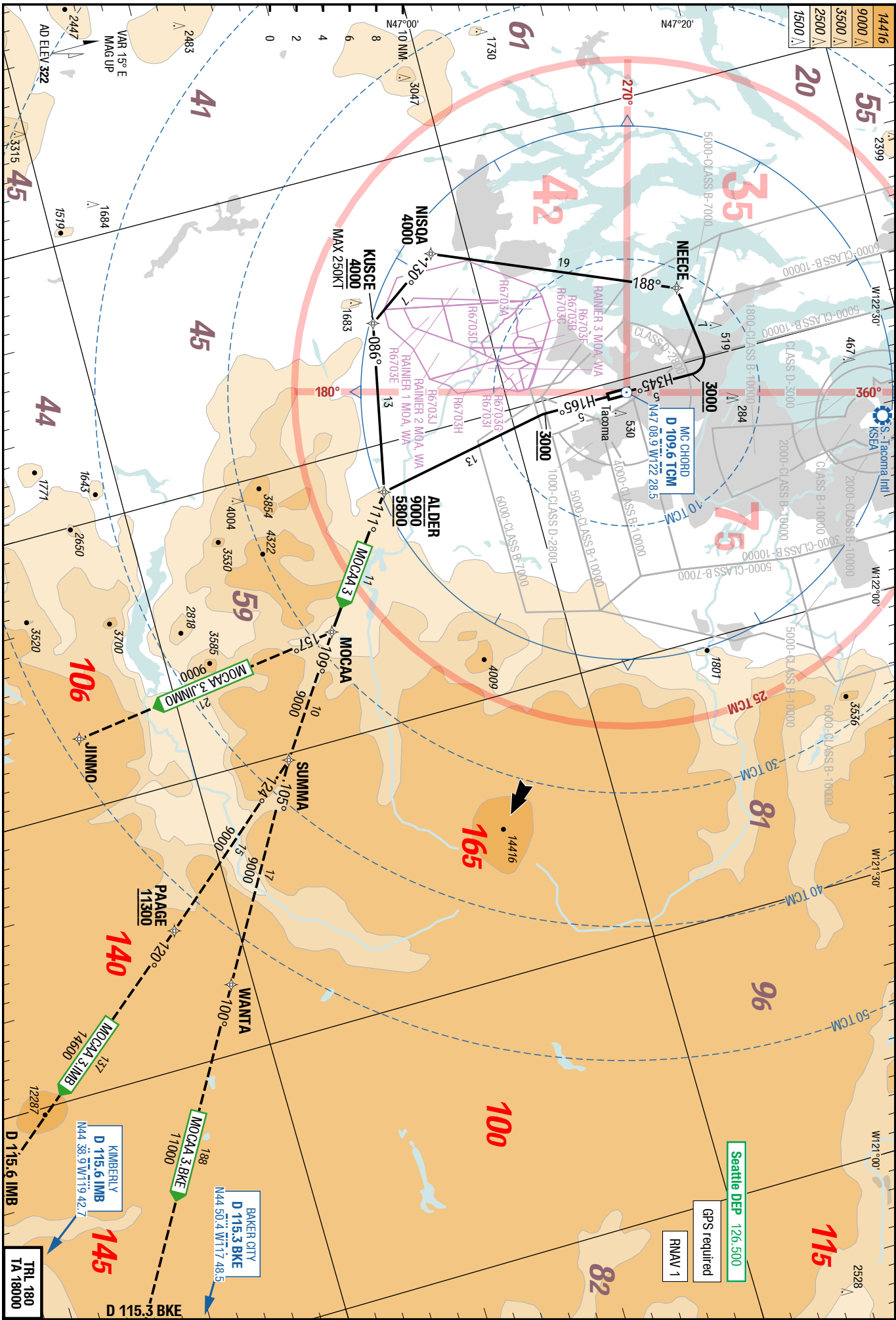
SID

SID

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ALDER 2

MOCAA 3 RNAV



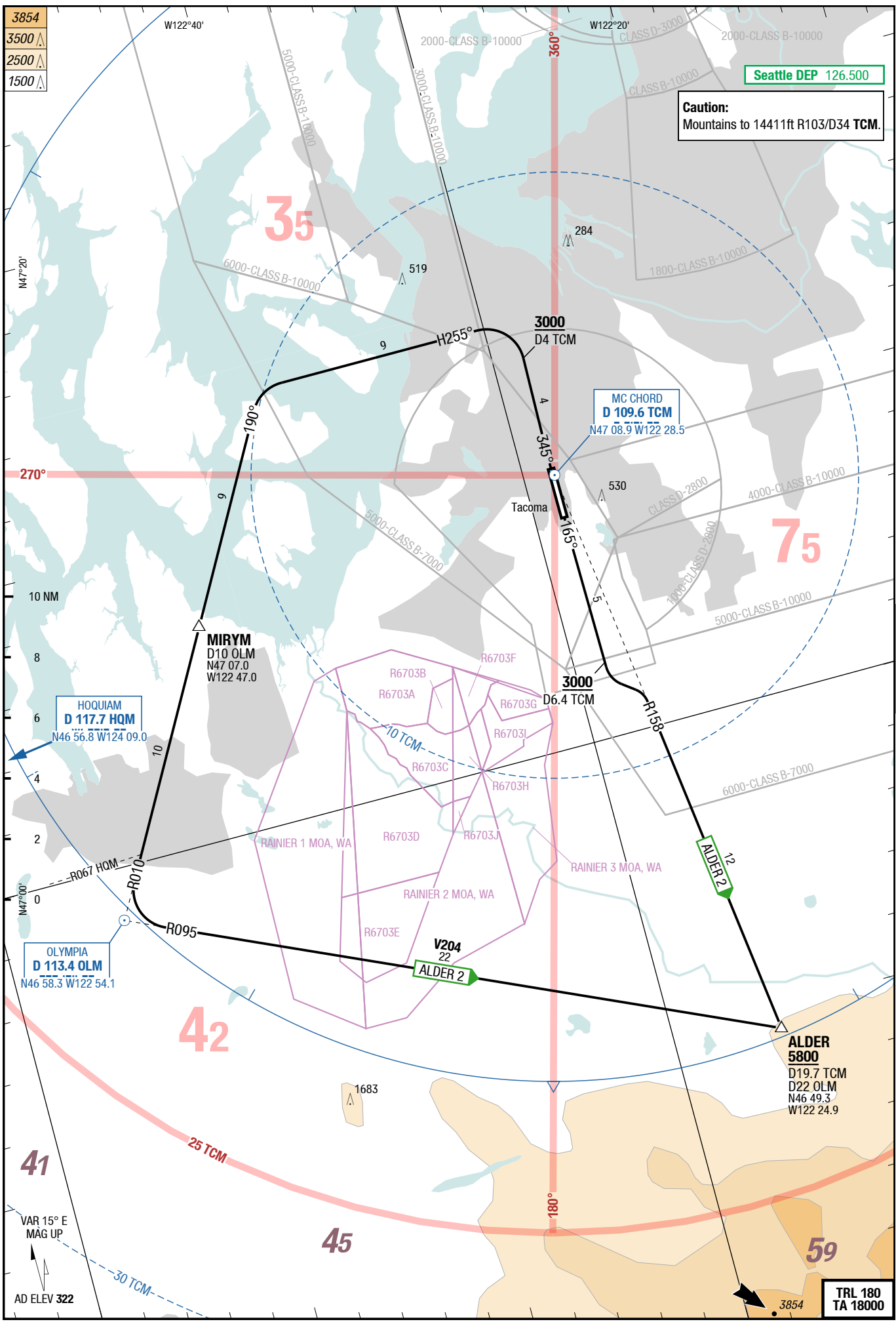
Changes: new

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4-20
ALDER 2

SID
SID

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ALDER 2



Changes: new

TCM-KTCM

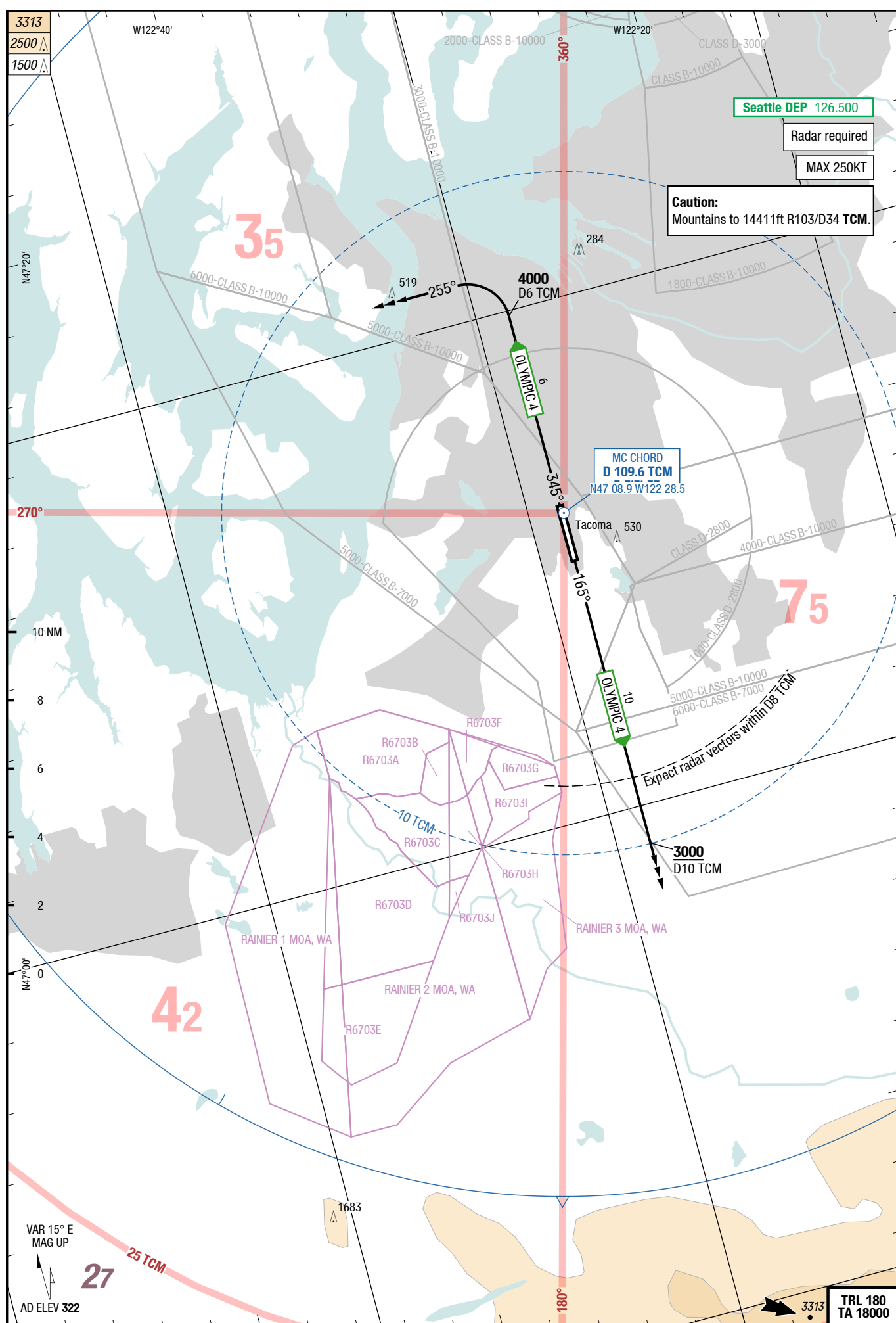
4-30

OLYMPIC 4

SID

SID

OLYMPIC 4



01-FEB-2018

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4-40

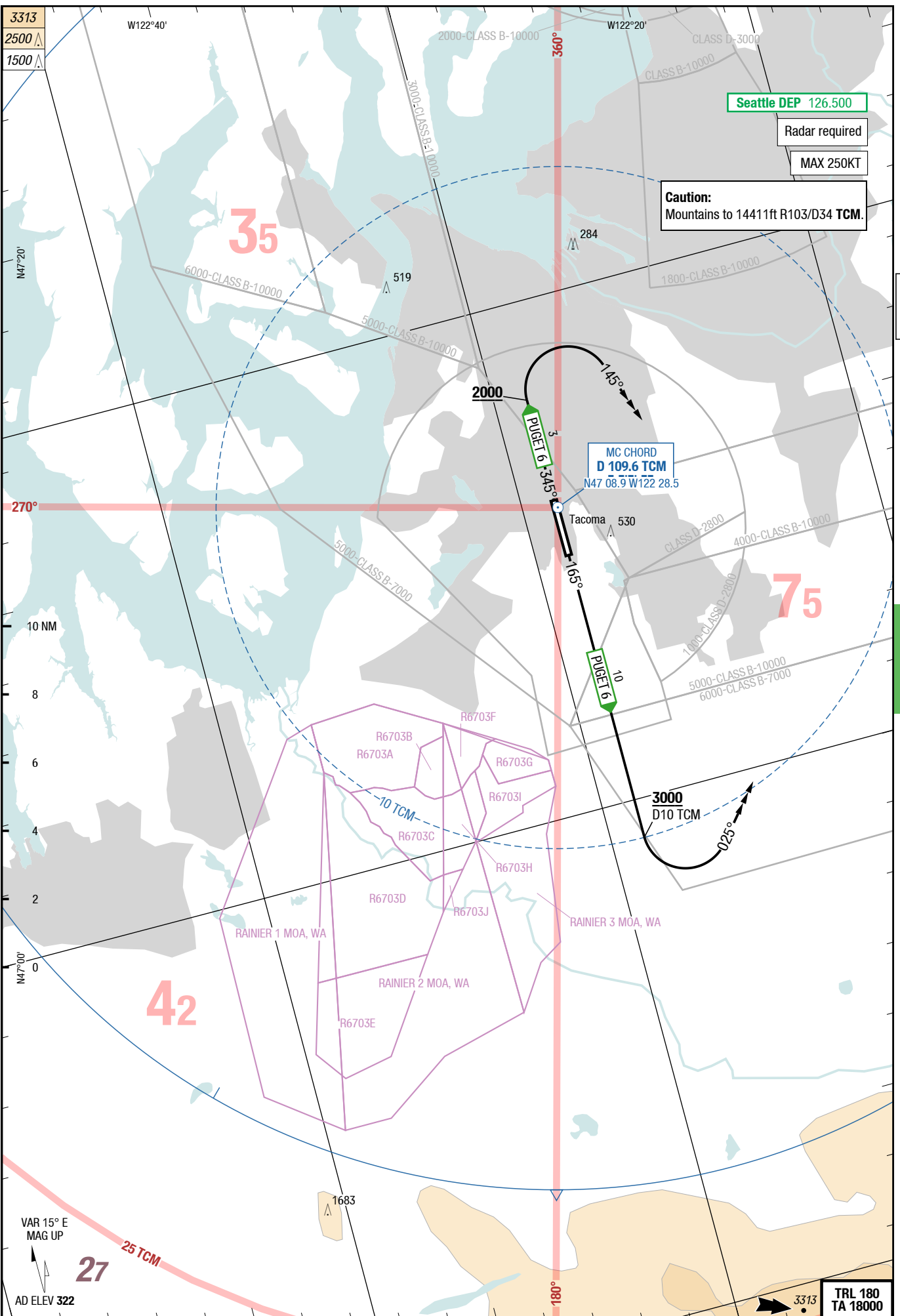
PUGET 6

SID

SID

PUGET 6

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Changes: new

01-FEB-2018

TCM-KTCM**5-10****MOCAA 3 RNAV****SIDPT****MOCAA 3**

RWYs 16 (165°) / 34 (345°)

DESIGNATOR	ROUTING	ALTITUDES
MOCAA 3 126.500 ①		
RWY 16	H165° [A3000+] - DCT ALDER - MOCAA	ALDER between 5800 and 9000 initial climb 9000
RWY 34	H345° [A3000+ ;L] - DCT NEECE - NISQA - KUSCE [K250-] - ALDER - MOCAA	NISQA at 4000 KUSCE MNM 4000 ALDER between 5800 and 9000 initial climb 9000
	TRANSITION	
	BAKER CITY (BKE) MOCAA - SUMMA - WANTA - BKE	
	JINMO MOCAA - JINMO	
	KIMBERLY (IMB) MOCAA - SUMMA - PAAGE - IMB	PAAGE MNM 11300

① Expect filed ALT 5 MIN after departure.

Changes: New

01-FEB-2018

TCM-KTCM**5-20****ALDER 2****SIDPT****ALDER 2**

RWYs 16 (165°) / 34 (345°)

DESIGNATOR	ROUTING	ALTITUDES
ALDER 2 126.500 ①②		
RWY 16	at D6.4 TCM LT intercept R158 TCM to ALDER	D6.4 TCM MNM 3000 ALDER MNM 5800
RWY 34	at D4 TCM LT HDG 255° - LT intercept R010 OLM via MIRYM to OLM - R095 OLM to ALDER	D4 TCM MNM 3000 ALDER MNM 5800

① If unable to comply with ATC crossing restrictions, advise ATC prior to departure.

② Caution: Mountains to 14411ft R103/D34 TCM.

01-FEB-2018

TCM-KTCM**5-30****OLYMPIC 4****SIDPT****OLYMPIC 4**

RWYs 16 (165°) / 34 (345°)

DESIGNATOR	ROUTING	ALTITUDES
OLYMPIC 4 126.500		
RWY 16 ①②③④	at D10 TCM - expect vectors	D10 TCM MNM 3000 initial climb by ATC
RWY 34 ①③④	at D6 TCM LT 255° - expect vectors	D6 TCM at 4000 initial climb by ATC

- ① If unable to comply with ATC crossing restrictions, advise ATC prior to departure.
- ② Expect radar vectors within D8 TCM.
- ③ MAX 250KT.
- ④ Caution: Mountains to 14411ft R103/D34 TCM.

Changes: New

01-FEB-2018

TCM-KTCM**5-40****PUGET 6****SIDPT****PUGET 6**

RWYs 16 (165°) / 34 (345°)

DESIGNATOR	ROUTING	ALTITUDES
PUGET 6 126.500 ①②③④		
RWY 16	at D10 TCM LT 025° - expect vectors	D10 TCM MNM 3000 initial climb by ATC
RWY 34	at MNM 2000 RT 145° - expect vectors	initial climb by ATC

- ① If unable to comply with ATC crossing restrictions, advise ATC prior to departure.
- ② Radar vectors required within 10NM after departure.
- ③ MAX 250KT.
- ④ Caution: Mountains to 14411ft R103/D34 TCM.

Changes: New

01-FEB-2018

TCM-KTCM**5-50****Obstacle Departure****SIDPT**

Obstacle Departure	
RWY	Routing
16	HDG 160°. LT intercept R168 SEA to ALDER (D37.1 SEA). Cross ALDER MNM 4000 . After ALDER, maintain MEA/MOCA for route of flight.
34	HDG 340°. RT intercept R168 SEA to ALDER (D37.1 SEA). Cross ALDER MNM 4000 . Maintain MEA/MOCA for route of flight.
RWY	Notes
16	Grove of trees 143ft AGL/454ft MSL, 4892ft from DER, 1353ft left of centerline. Grove of trees 102ft AGL/419ft MSL, 2395ft from DER, 1028ft right of centerline. Trees 136ft AGL/447ft MSL, 2867ft from DER, 1261ft left of centerline. Trees 120ft AGL/430ft MSL, 2594ft from DER, 1113ft left of centerline. Trees 85ft AGL/394ft MSL, 2310ft from DER, 957ft left of centerline. Trees 83ft AGL/392ft MSL, 2006ft from DER, 959ft left of centerline. Trees 87ft AGL/389ft MSL, 1758ft from DER, 971ft left of centerline.
34	Tree 106ft AGL/348ft MSL, 2307ft from DER, 1038ft left of centerline. Tree 121ft AGL/370ft MSL, 3190ft from DER, 526ft right of centerline. ACFT 65ft AGL/317ft MSL, 186ft from DER, 407ft left of centerline. Tree 64ft AGL/343ft MSL, 2260ft from DER, 1036ft left of centerline. BLDG 40ft AGL/321ft MSL, 1668ft from DER, 810ft left of centerline.

01-FEB-2018
TCM-KTCM

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ELLENSBURG 3 RNAV

6-10

ADYMS 2 RNAV

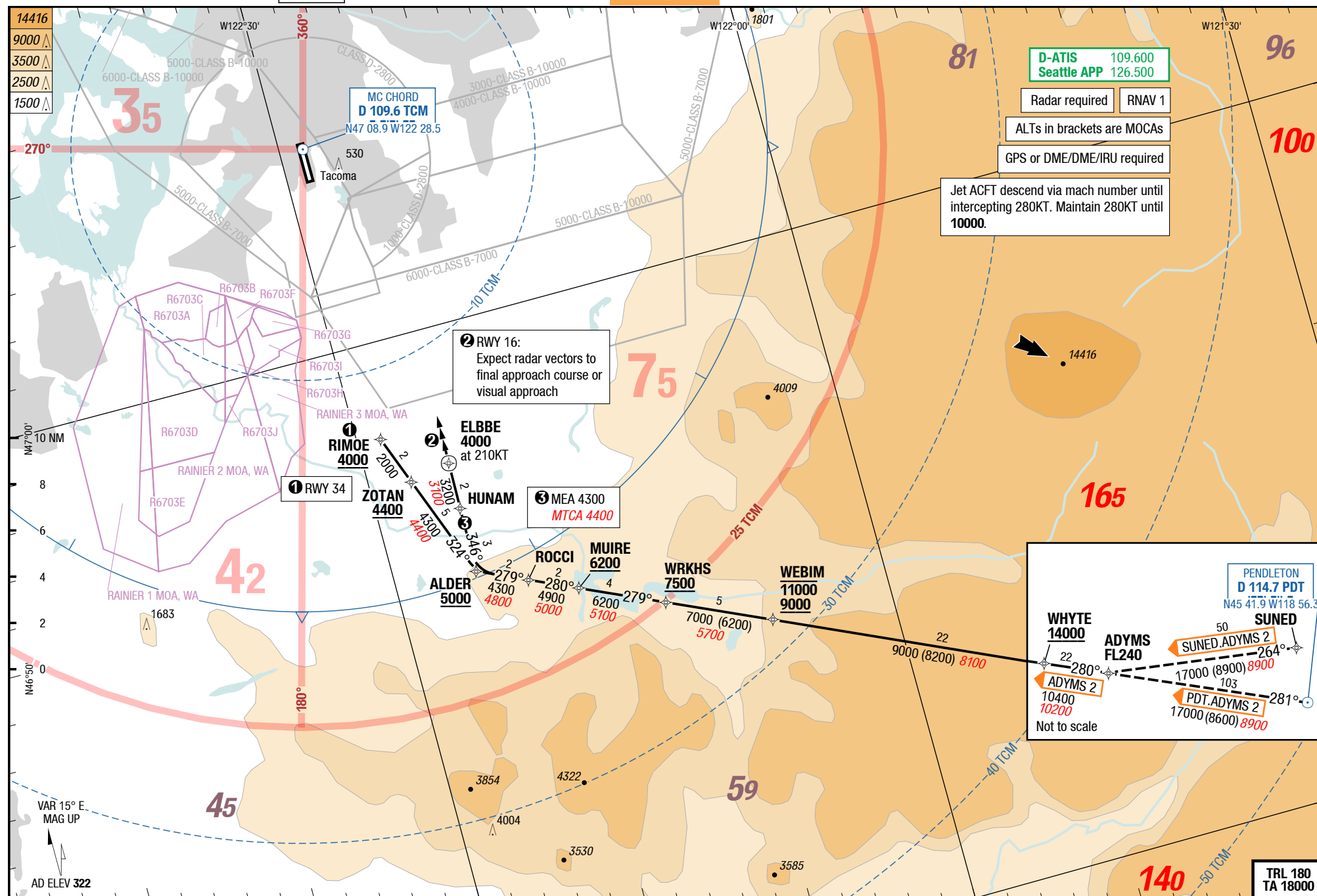
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ELLENSBURG 3 RNAV

ADYMS 2 RNAV



D-ATIS 109.600
Seattle APP 126.500

Radar required RNAV 1

ALTs in brackets are MOCAs

GPS or DME/DME/IRU required

Jet ACFT descend via mach number until intercepting 280KT. Maintain 280KT until 10000.

PENDLETON D 114.7 PDT
N45 41.9 W118 56.3
SUNED 264°
PD.T.ADYMS 2 281°
ADYMS 2 10400 10200
ADYMS 2 17000 (8900) 8900
ADYMS 2 17000 (8600) 8900
Not to scale

Changes: new

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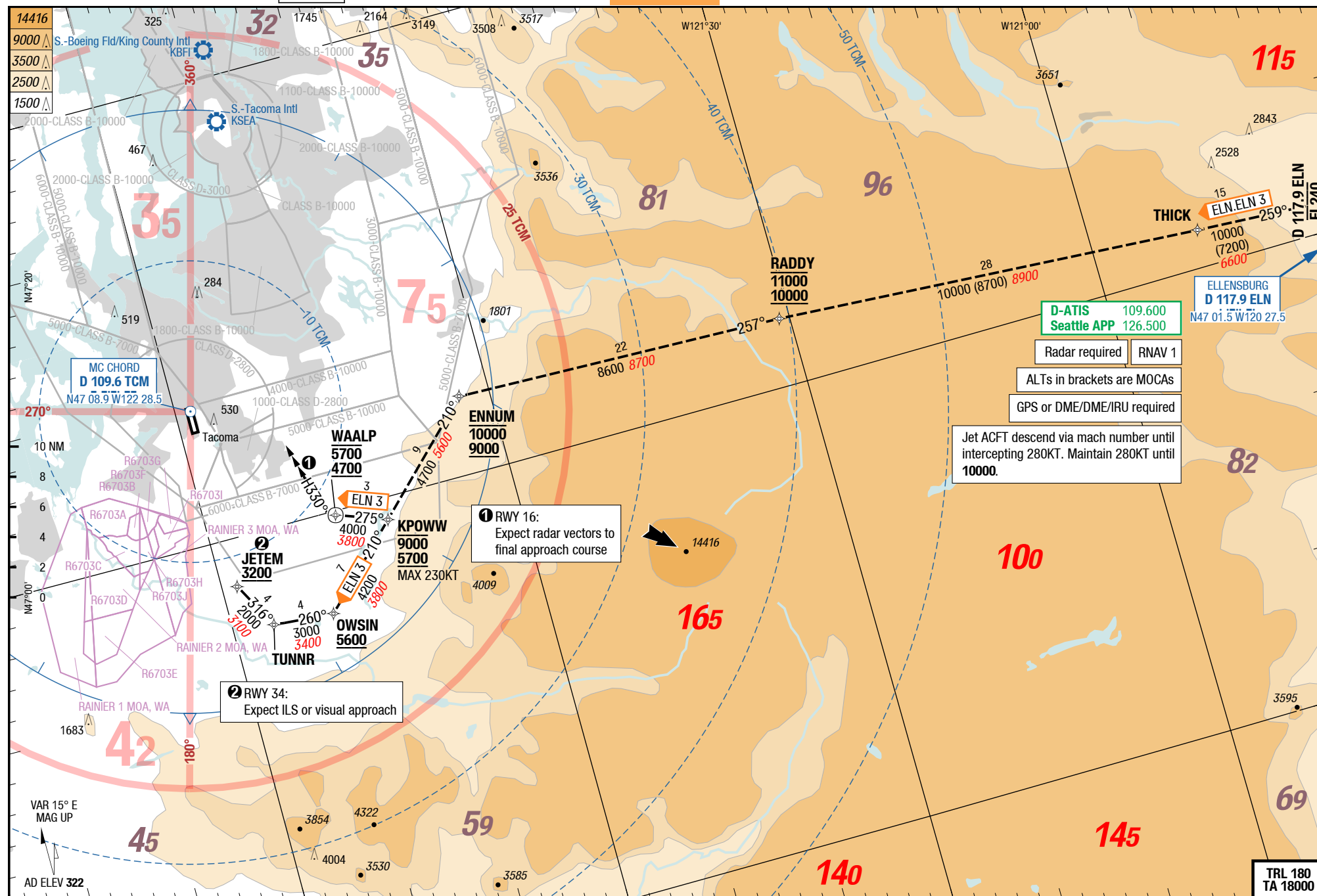
6-20

ELLENSBURG 3 RNAV

STAR

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ELLENSBURG 3 RNAV



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GLASR 1

ARRIE 7

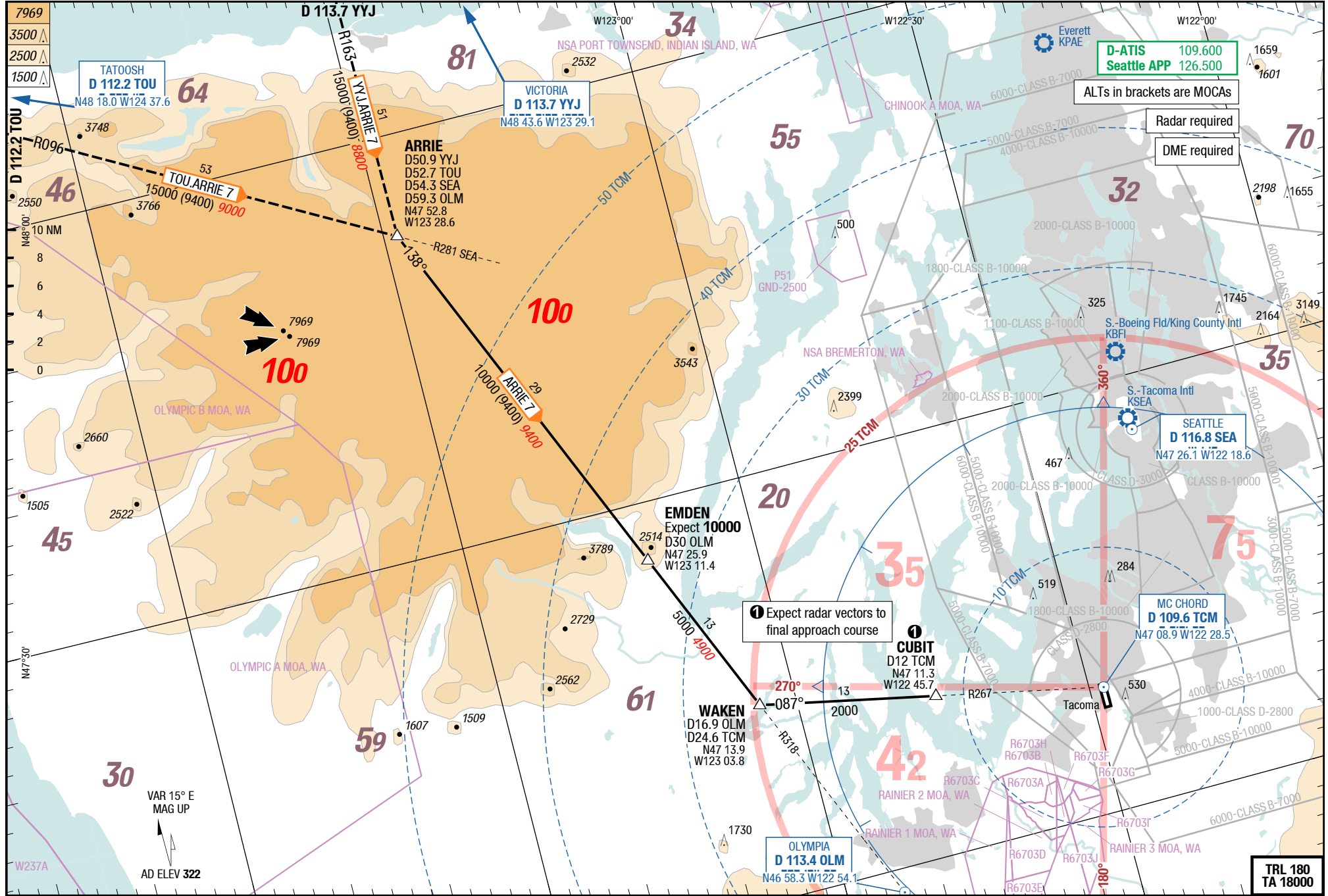
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GLASR 1

ARRIE 7



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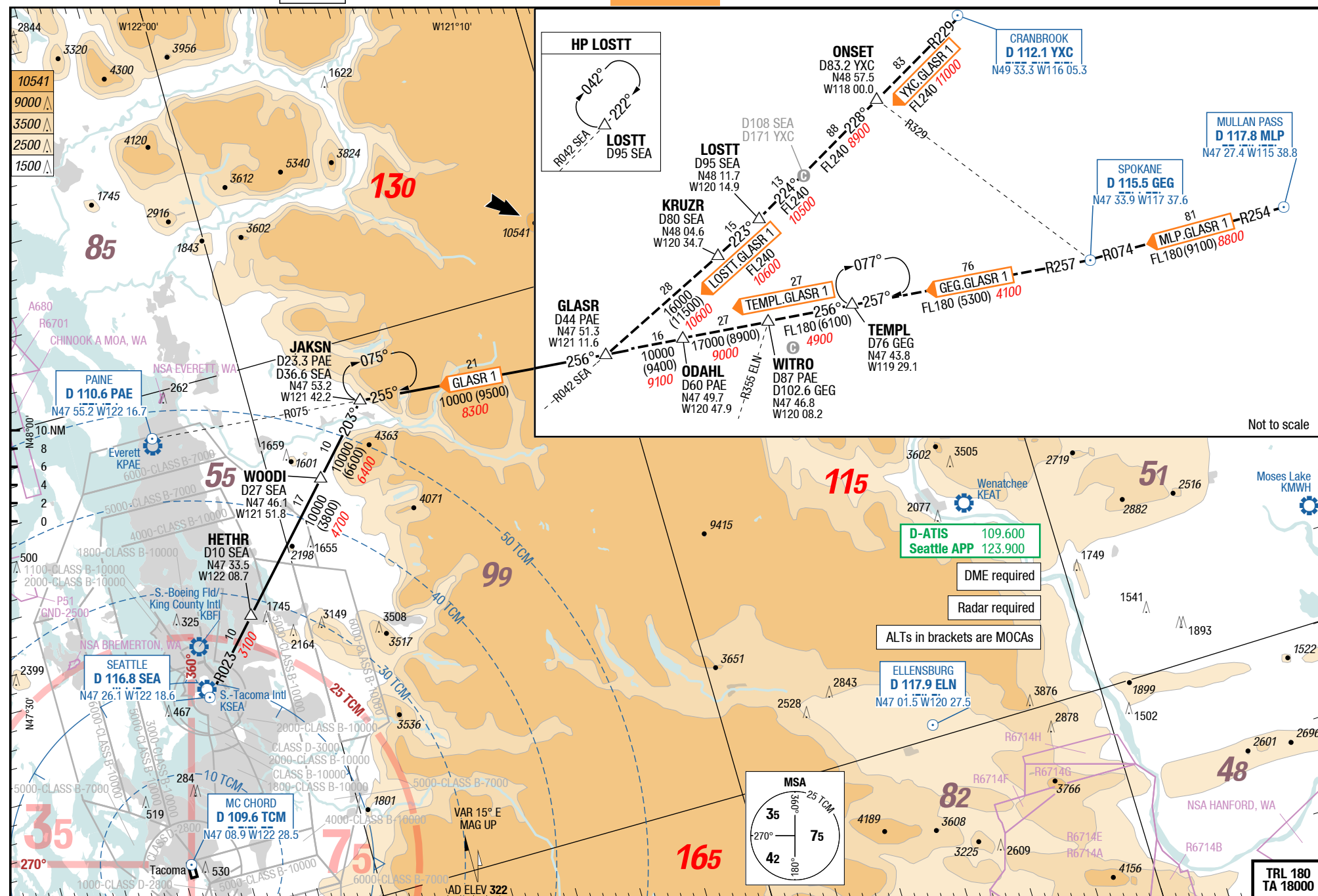
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GLASR 1

GLASR 1



TCM-KTCM

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WHYTE 5

JAWBN 6

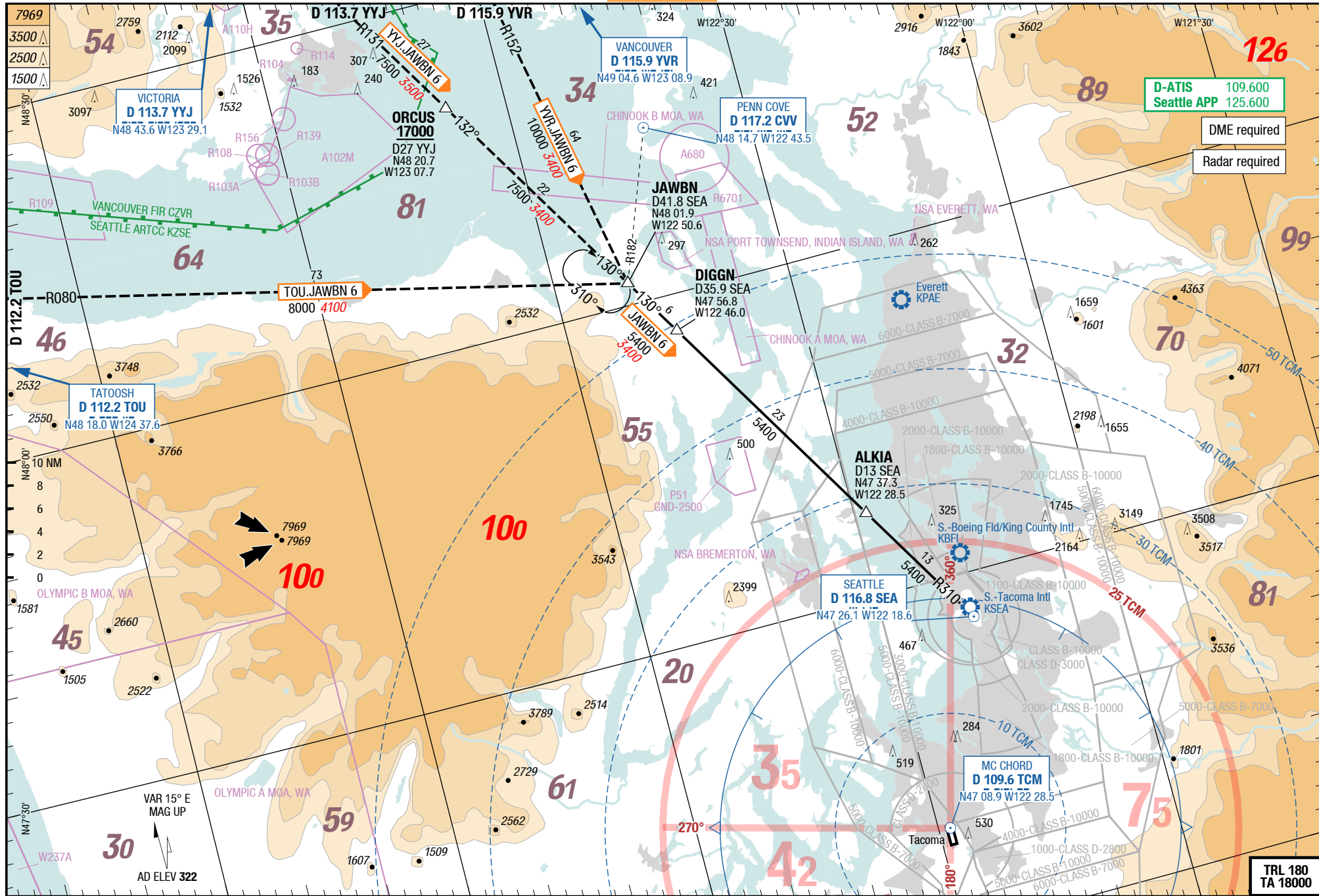
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WHYTE 5

JAWBN 6



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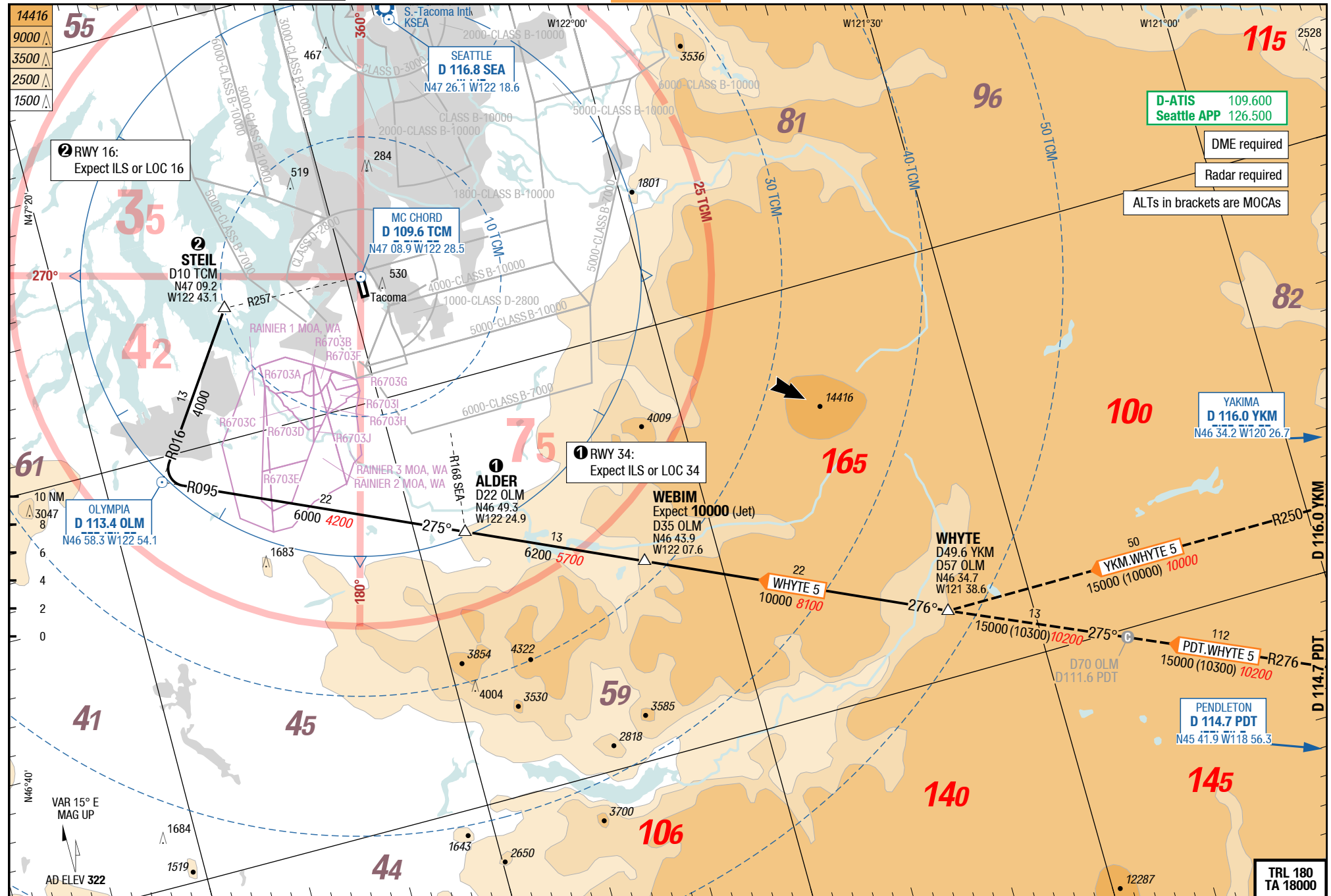
6-60

WHYTE 5

STAR

STAR

WHYTE 5



Changes: new

01-FEB-2018

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7-20

ILS or LOC 34

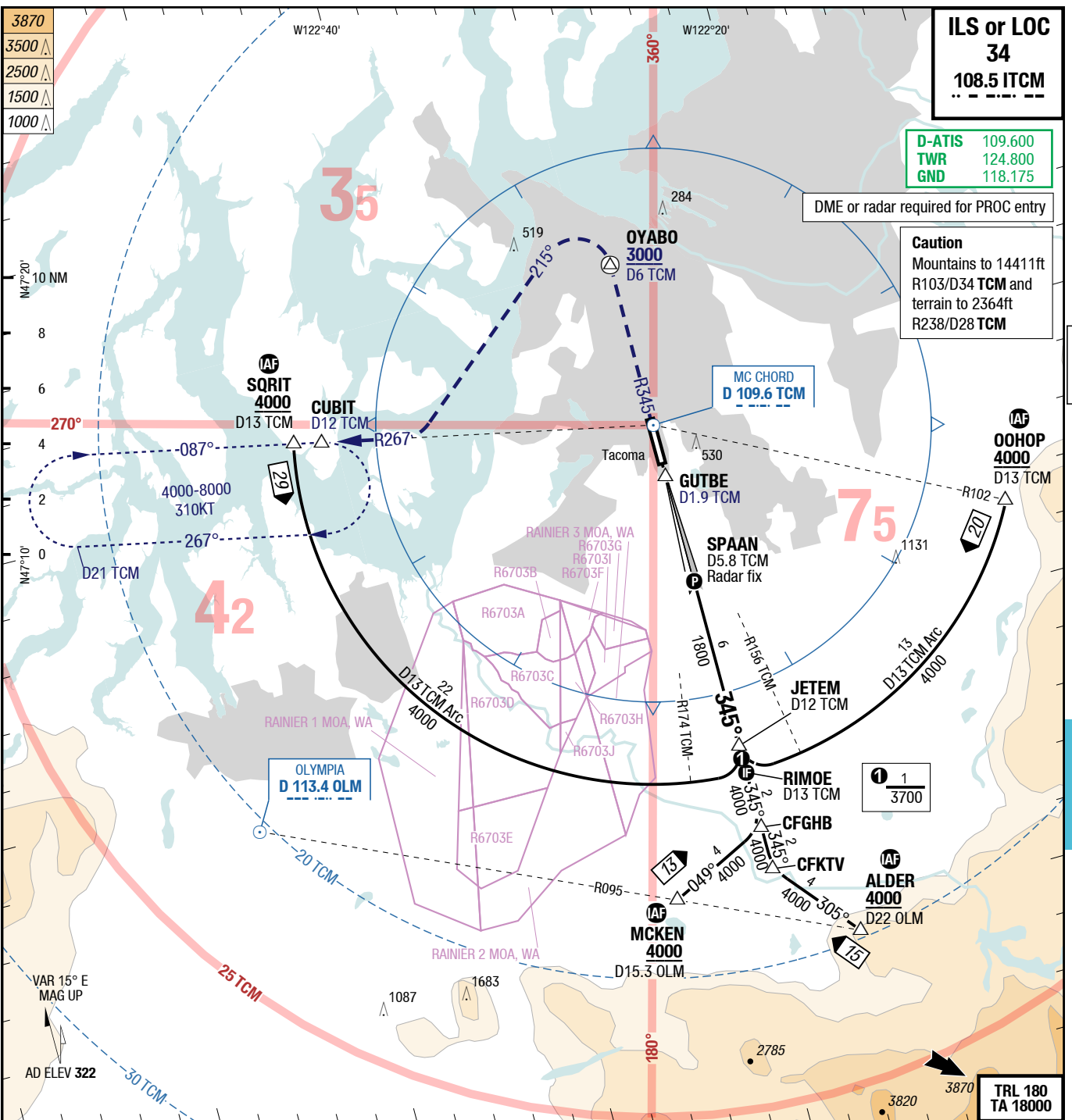
IAC

IAC

ILS or LOC 34

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Changes: new



AMD 1

<p>60 HL 3.0° 8 46 G 3081</p> <p>-0.4% TDZ 321 (---%) / THR 322 (12hPa) HL-P2F</p>		<p>3 5 7 9 11 12.6</p> <p>890 1530 2180 2830 3480 4000</p>		<p>LOC 3.06° D TCM</p>	
<p>R345 TCM at OYABO (MNM 3000) LT 215° RT intercept R267 TCM to CUBIT climb 4000</p>		<p>TCM D1.9 GUTBE</p>		<p>D5.8 SPAAN</p>	
<p>D12 JETEM</p>		<p>D12.6 RIMO</p>		<p>D13 TCM</p>	
<p>GS 120 140 160</p> <p>D5.8 TCM 650 760 870</p> <p>-MAPt 1:58 1:41 1:28</p>		<p>GP 3.00° MDA 1800</p>		<p>DIST TO THR</p>	
<p>34 Cat 2</p>		<p>Cat 1</p>		<p>LOC</p>	
<p>C ft - ft/SM ft 100 - 1200R 139 RA</p>		<p>200 - 1800R/0.5V 530</p>		<p>500 - 5000R/1.0V 820</p>	
<p>D ft - ft/SM ft 100 - 1200R 139 RA</p>		<p>200 - 1800R/0.5V 530</p>		<p>500 - 5000R/1.0V 820</p>	
<p>1) W of AD only</p>		<p>Circling TERPS</p>		<p>620 - 1.75V 940</p>	
				<p>700 - 2.25V 1030</p>	

TCM-KTCM

7-30

RNAV (GPS) 16



16		RNAV GPS LNAV					Circling¹⁾ TERPS
C	ft - ft/SM ft	500 - 5000R/1.0V 780					620 - 1.75V 940
D	ft - ft/SM ft	500 - 5000R/1.0V 780					700 - 2.25V 1030

AMDT 1

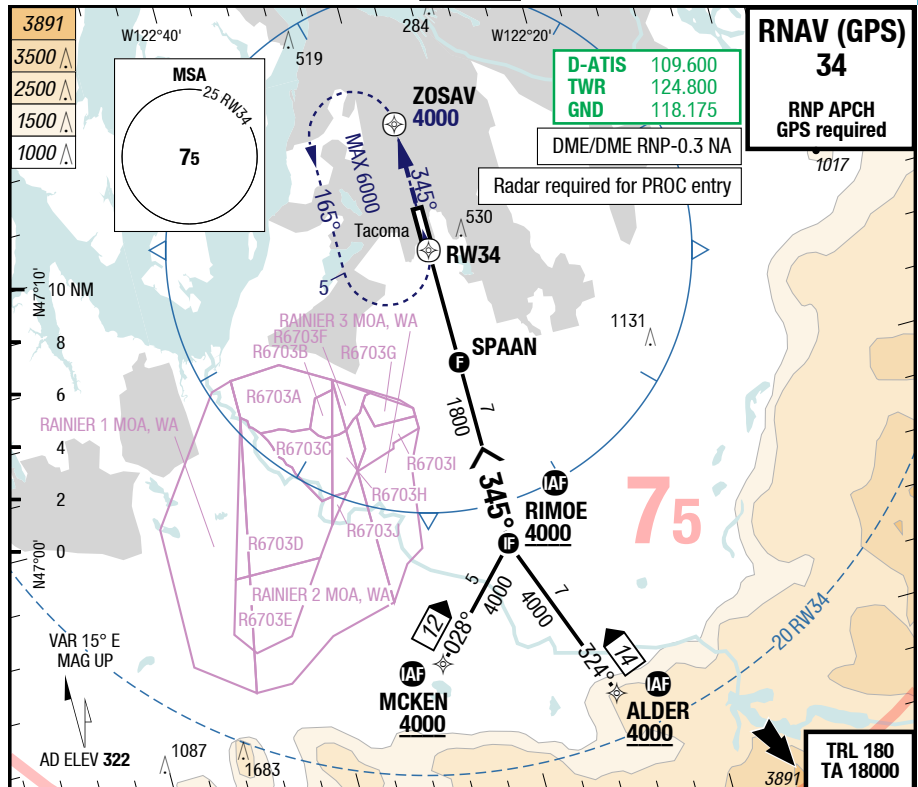
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TCM-KTCM

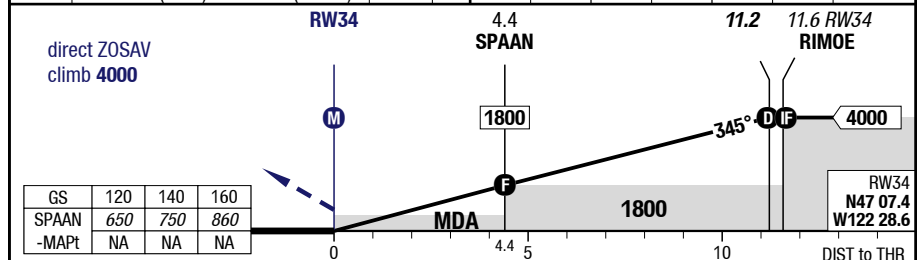
7-40

RNAV (GPS) 34

IAC



60 HL	3.0°8	2	3	5	7	9	11.2	3.04°
15 HL	46 G 3081	1030	1350	2000	2640	3290	4000	RW34
-0.4%	TDZ 321 (---%) / THR 322 (12hPa)							
	HL-P2F							



34	RNAV GPS	LNNAV	Circling 1)
C	ft - ft/SM	500 - 5000R/1.0V	620 - 1.75V
	ft	820	940
D	ft - ft/SM	500 - 5000R/1.0V	700 - 2.25V
	ft	820	1030

1) W of AD only

Changes: new

AMD 1