

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> BREMERTON NATIONAL	<u>AIRPORT ID</u> KPWT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 20	<u>ORIGINAL/AMENDMENT</u> 17A	<u>CITY</u> BREMERTON	<u>STATE</u> WA	
<u>AIRPORT ELEVATION</u> 444	<u>TDZE</u> 442	<u>SUPERSEDED</u> ILS OR LOC RWY 20	<u>ORIGINAL/AMENDMENT</u> 17	<u>DATED</u> 09/18/2014	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-PWT	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
SEA VORTAC		WUMOX INT		TF			282.43	17.35	3500
OLM VORTAC		WUMOX INT		TF			355.08	38.01	3500

MISSED APPROACH

MAP:

ILS: DA

LOC: 6.31 NM AFTER WUMOX INT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 ON HEADING 197 AND OLM VORTAC R-346 TO CARRO INT/OLM 19.43 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 160 AND ON SEA VORTAC R-230 TO CARRO INT/SEA 23.91 DME AND HOLD.

PROFILE:

1. PT L **SIDE OF COURSE** 016.78 **OUTBOUND** 3000 **FT WITHIN** 10 **MILES OF** WUMOX INT (IAF)
- 2.
3. **FAC:** 196.78 **FAF:** WUMOX INT **DIST FAF TO MAP:** 6.31 **DIST FAF TO THLD:** 6.31
4. **MIN ALT:** WUMOX INT 2500
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.47 **GS ANT:** 1044
6. **MIN GS INCPT:** 2500 **GS ALT AT FAF :** WUMOX INT 2500 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 49.4
8. **MSA FROM:** SEA VORTAC 010-160 6400, 160-250 2200, 250-010 3400

EQUIPMENT REQUIREMENTS NOTES:



NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SEA VORTAC AIRWAY RADIALS 230 CW 310.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OLM VORTAC AIRWAY RADIALS 012 CW 346.
CHART NOTE: CIRCLING NA FOR CATS C AND D W OF RWY 2-20.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEATTLE-TACOMA INTL ALTIMETER SETTING AND INCREASE ALL DA 45 FEET, ALL MDA 60 FEET AND INCREASE S-LOC 20 CAT C AND D VISIBILITY 1/8 SM, CIRCLING CAT A, C AND D VISIBILITY 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 20 CAT C AND D VISIBILITY TO 2 SM.
CHART NOTE: FOR INOPERATIVE ALS, WHEN USING SEATTLE-TACOMA INTL ALTIMETER SETTING, INCREASE S-LOC 20 CAT C AND D VISIBILITY TO 2 1/2 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
CHART (CFFWM) AT 474009.98N/1223538.00W
CHART IN PLANVIEW: CARRO INT/SEA 23.91 DME
CHART 3500 PRIOR TO WUMOX IN PROFILE.
CHART FAS OBST: 931 TOWER 473250N/1224233W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW CARRO INT/SEA 23.91 DME, RT, 050.40 INBOUND.
HOLD N, RT, 166.32 INBOUND

MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 20	642	1/2	200	642	1/2	200	642	1/2	200	642	1/2	200			
S-LOC 20	1200	1/2	758	1200	3/4	758	1200	1 3/4	758	1200	1 3/4	758			
CIRCLING	1200	1	756	1200	1 1/4	756	1200	2 1/4	756	1240	2 1/2	796			

CHANGES - REASONS

1. REMOVED NOTE: NIGHT LANDING RWY 2 NA. - 20:1 PENETRATIONS REMOVED.
2. CHANGED MSA FROM MNC NDB 360-090 3700 MSL, 090-240 400 MSL, 240-360 7900 MSL TO SEA VORTAC 010-160 6400 MSL, 160-250 2200 MSL, 250-010 3400 MSL. - MNC NDB DECOMMISSIONED.
3. ADDED PLANVIEW NOTES: PROCEDURE NA FOR ARRIVAL ON SEA VORTAC AIRWAY RADIALS 230 CW 310 AND PROCEDURE NA FOR ARRIVAL ON OLM VORTAC AIRWAY RADIALS 012 CW 346. -DOES NOT MEET ALIGNMENT CRITERIA.
4. ILS DA INCREASED FROM 641 TO 642 - TDZE INCREASED 1 FOOT.
5. LOC HAT DECREASED FROM 859 TO 858. - TDZE INCREASED 1 FOOT.
6. CHANGED INOP NOTE FROM MALSR TO ALS. - NEW STANDARD.



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZSE, WA AERO, ARPT MGR, SEA APP CON

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by
ROBERT G HAMILTON
Feb 08, 2019

DEVELOPED BY

JIMMY S. HUGHES

Digitally signed by

JIMMY S HUGHES

Feb 05, 2019

OFFICE

AJV-A422

DATE

12/17/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Feb 08, 2019

OFFICE

AJV-A42

DATE

TITLE

MANAGER

