

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

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> BELLINGHAM INTL	<u>AIRPORT ID</u> KBLI	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 16	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> BELLINGHAM	<u>STATE</u> WA
<u>AIRPORT ELEVATION</u> 171	<u>TDZE</u> 163	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 16	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 02/04/2016	<u>MAG VAR</u> 16E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
UCAKI	IAF	CUSEL		TF	FB	1.00	352.60	6.53	2000
TECUV	IAF	APDON		TF	FB	1.00	053.99	9.35	2000
APDON	IF	HONUUV		TF	FB	1.00	061.05	5.92	2000
CUSEL	IF	HONUUV		RF	FB	1.00	(2.01 NM RADIUS CW (CFFVP))	2.40	2000
HONUUV		WUGUT	PFAF	RF	FB	1.00	(2.01 NM RADIUS CW (CFFVP))	3.60	2000
SECOG	IF	WUGUT	PFAF	TF	FB	1.00	163.85	6.00	2000
WUGUT	PFAF	RW16	MAP	TF	FO	0.30	163.85	5.61	
RW16	MAP	700 MSL		CA			163.85		700
700 MSL		TECUV		DF	FO	1.00			2000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2000 DIRECT TECUV AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**

2. PROFILE STARTS AT WUGUT

3. **FAC:** 163.85 **PFAF:** WUGUT **DIST PFAF TO MAP:** **DIST PFAF TO THLD:**

4. **MIN ALT:** WUGUT 2000

5. **DIST TO THLD FROM OM:** 5.61 **MM:** **IM:** **150 HAT:** **320 HAT:** 0.84 **GS ANT:**

6. **MIN GP INCPT:** 2000 **GP ALT AT PFAF :** WUGUT 2000 **OM:** **MM:** **IM:**

7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 51.4

8. **MSA FROM:** RW16 12000

PBN REQUIREMENTS NOTE:

RNP AR APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TECUV ON V495 SOUTHWEST BOUND.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART PLANVIEW NOTE ADJACENT TO IAF UCAKI: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO IAF TECUV: RF REQUIRED.
 CHART SPEED ICON IN PLANVIEW AT CUSEL: MAX 180 KIAS.
 CHART SPEED ICON IN PLANVIEW AT HONU:V: MAX 180 KIAS.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.27 ALL CATS VISIBILITY TO RVR 4500, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 6000.

ADDITIONAL FLIGHT DATA:

ROUTE TYPE: A, H
 ROUTE TYPE QUALIFIER 1: F
 ROUTE TYPE QUALIFIER 2: S
 HOLD NW, RT, 135.90 INBOUND



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

ALTERNATE: NA STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA												
AUTHORIZATION REQUIRED															
RNP 0.27 DA	483	2400	320	483	2400	320	483	2400	320	483	2400	320			
RNP 0.30 DA	580	4500	417	580	4500	417	580	4500	417	580	4500	417			

CHANGES - REASONS

1. RAISED RNP 0.27 DA/HAT FROM 448/285 TO 483/320 - NOTAM CLEARING FOR OBS 236 MSL (1A) TREE (53-077432)
2. ADDED DF AND FO TO MISSED APPROACH IN TERMINAL ROUTES - FORMS CORRECTION.
3. ADDED PBN REQUIREMENTS NOTE "RNP AR APCH." - FORMS CORRECTION.
4. CHANGED CHART NOTE FROM "CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.27 ALL CATS VISIBILITY TO RVR 4500." TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.27 ALL CATS VISIBILITY TO RVR 4500, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 6000." - UPDATED VISCHECK.
5. DELETED "CHART NOTE: GPS REQUIRED." - NO LONGER REQUIRED
6. DELETED "CHART PLANVIEW NOTE AT SECOG: RADAR REQUIRED FOR ARRIVAL AT SECOG." - RADAR NO LONGER REQUIRED FOR STANDALONE FIXES.
7. DELETED "#TCH 213.9 MSL (DO NOT CHART)" - NO LONGER REQUIRED.
8. PROFILE DISTANCE CHANGED FROM 285 HAT: 0.74 TO 320 HAT: 0.84 - DA/HAT RAISED FOR OBS 236 MSL (1A) TREE (53-077432).

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** YYJ APP CON, ZSE, BLI ATCT, AMGR, WFPT, ATA

FLIGHT CHECKED BY

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

OFFICE Digitally signed by **DATE**

WARDELL HENNING

May 09, 2019

DEVELOPED BY

WARDELL HENNING (CHARLES THIBODEAUX)

Digitally signed by

WARDELL HENNING

May 09, 2019

OFFICE AJV-A432 **DATE** 03/25/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by **WARDELL HENNING**

May 09, 2019

OFFICE AJV-A430 **DATE**

TITLE
MANAGER

