

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) 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.

AIRPORT ID BLI	PROCEDURE NAME RNAV (GPS) Y RWY 16	ORIGINAL/AMENDMENT 4	CITY BELLINGHAM	STATE WA
AIRPORT ELEVATION 171	TDZE 163	SUPERSEDED RNAV (GPS) Y RWY 16	ORIGINAL/AMENDMENT 3C	DATED 08/15/2019
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 16E
				EPOCH YEAR 2020
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SECOG	IF/IAF	WUGUT		TF	FB	1.00	163.86	6.00	2000
WUGUT	FAF	RW16	MAP	TF	FO	0.30	163.84	5.61	
RW16	MAP	700 MSL		CA			163.84		700
700 MSL		TECUV		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

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

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N SECOG, RT, 163.84 INBOUND, 2000 IN LIEU OF PT (IAF), MAX 6000.
- FAC: 163.84 FAF: WUGUT DIST FAF TO MAP: 5.61 DIST FAF TO THLD: 5.61
- MIN ALT: SECOG 2000, WUGUT 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.46 GS ANT: IM:
- MIN GP INCPT: 2000 GP ALT AT PFAF: WUGUT 2000 OM: MM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 51.4
- MSA FROM: RW16 12000



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 54°C.
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 135.90 INBOUND.
CHART FAS OBST: 303 TREE (53-077136) 484756N/1223256W.
CHART VDP AT 1.09 NM TO RW16.
WAAS CHANNEL # 45999
REFERENCE PATH ID: W16A
LTP HAE: 28.3 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA**	363	2400	200	363	2400	200	363	2400	200	363	2400	200			
LNAV/VNAV DA	486	2600	323	486	2600	323	486	2600	323	486	2600	323			
LNAV MDA	560	2400	397	560	2400	397	560	3500	397	560	3500	397			
CIRCLING	640	1	469	640	1	469	860	2	689	1140	3	969			



CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED HUH VORTAC FEEDER SEGMENT – VOR MON PGM.
2. TERMINAL ROUTES: CHANGED SECOG TO WUGUT SEGMENT COURSE FROM “163.85” TO “163.86” – FAF MOVED S 18.6 FEET.
3. TERMINAL ROUTES: CHANGED WUGUT THROUGH CA SEGMENT COURSE FROM 163.85” TO “163.84” - FAF MOVED S 18.6 FEET.
4. PROFILE LINE 2: CHANGED “163.85 INBOUND” TO “163.84 INBOUND” – ALIGNED WITH SECOG TO WUGUT SEGMENT COURSE.
5. PROFILE LINE 3: CHANGE “163.85” TO “163.84” - FAF MOVED S 18.6 FEET.
6. PROFILE LINE 5: CHANGED “200 HAT: 0.47” TO “200 HAT: 0.46” - FAF MOVED S 18.6 FEET.
7. PBN REQUIREMENTS: CHANGED FROM “RNP APCH” TO “RNP APCH – GPS” – IAW 8260.19J, 8-6-8D(5)A(1).
8. NOTES: CHANGED “CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA” TO “CHART NOTE: ** RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING FHR ALTIMETER SETTING)” – CURRENT DOCUMENTATION STANDARDS.
9. NOTES: REMOVED “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HUH VORTAC AIRWAY RADIALS 344 CW 021” – HUH VOR MON.
10. ADDITIONAL FLIGHT DATA: REMOVED “CHART CIRCLING ICON” – CURRENT DOCUMENTATION STANDARDS.
11. ADDITIONAL FLIGHT DATA: REMOVED “*LNAV ONLY” – CURRENT DOCUMENTATION STANDARDS.
12. ADDITIONAL FLIGHT DATA: REMOVED “*” FROM CHART VDP AT 1.09 NM TO RW16 – CURRENT DOCUMENTATION STANDARDS.
13. ADDITIONAL FLIGHT DATA: CHANGED “FAS OBST: 299 AAO 485139N/1223209W” TO “CHART FAS OBST: 303 TREE (53-077136) 484756N/1223256W” - NEW CONTROLLING OBSTACLE.
14. MINIMUMS: LOWERED LNAV/VNAV DA/HAT FROM 491/328” TO 486/323”, LOWERED VISIBILITY FROM “3000” TO “2600” – NEW OBSTACLE EVALUATION.
15. MINIMUMS: LOWERED CIRCLING CAT C/D CMDA/HAA FROM “900/729, 1160/989” TO “860/689, 1140/969” – NEW OBSTACLE EVALUATION.
16. FAS DATA: CHANGED FPAP LAT/LONG FROM “484637.7190N/ 1223214.8470W” TO “484637.7120N/ 1223214.8325W”, LENGTH OFFSET FROM “0704” TO “0712” – UPDATED AIRNAV DATA INCORPORATED.
17. FAS DATA: CHANGED CRC REMAINDER FROM “79B2A6F2” TO “07FEA509” – FPAP LAT/LONG CHANGED.

10/1/25: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/30/25.

1. CHANGED NOTE FROM "CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING FHR ALTIMETER SETTING)." TO "CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA."
2. PART C: ADDED NOTE "***RVR 1800 NA WHEN USING FHR ALTIMETER SETTING."

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: BLI ATCT, AMGR, VICTORIA APPROACH

FLIGHT CHECKED BY

CHRISTOPHER ROY VANDEVEER

Digitally signed by
CASIMIR L TABAKA
 Oct 02, 2025

OFFICE

FIOG

DATE

07/23/2025

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by
JACOB H CLARK
 Oct 02, 2025

OFFICE

AJV-A432

DATE

05/28/2025

APPROVED BY

CASIMIR L. TABAKA

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CASIMIR L TABAKA
 Oct 02, 2025

OFFICE

AJV-A432

DATE

10/23/2025

TITLE

MANAGER



AIRPORT ID
BLI

PROCEDURE NAME
RNAV (GPS) Y RWY 16

ORIGINAL/AMENDMENT
4

CITY
BELLINGHAM

STATE
WA

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBLI
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	484806.7425N
LTP/FTP LONGITUDE	1223215.2040W
LTP/FTP ELLIPSOIDAL HEIGHT	+00283
FPAP LATITUDE	484637.7120N
FPAP LONGITUDE	1223214.8325W
THRESHOLD CROSSING HEIGHT (TCH)	00051.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 07FEA509

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00498
FPAP ORTHOMETRIC HEIGHT	+00498



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> BLI	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 16	<u>AMDT NO.</u> 4	<u>CITY</u> BELLINGHAM	<u>STATE</u> WA	<u>AIRPORT ELEVATION</u> 171	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM SECOG (IF/IAF) **TO** WUGUT

RNP 1.00 DISTANCE 6.00 PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	490039.00N/1222915.00W	519	215	8	4B	500				SA-4 AT985	2000
TERRAIN	485942.00N/1223312.00W	272 (300)								AS1500	1800

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM WUGUT **TO** RW16

RNP 0.30 DISTANCE 5.61 PAT MAP DA HAT 200 HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				363

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
BLI

PROCEDURE NAME
RNAV (GPS) Y RWY 16

AMDT NO.
4

CITY
BELLINGHAM

STATE
WA

AIRPORT ELEVATION
171

FACILITY
RNAV

FINAL: LNAV/VNAV

FROM
WUGUT

TO
RW16

RNP
0.30

DISTANCE
5.61

PAT

MAP
DA

HAT
323

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (53-077136)	484755.62N/1223256.31W	303	20	3	1A	161				MA22	486

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
WUGUT

TO
RW16

RNP
0.30

DISTANCE
5.61

PAT

MAP
RW16

HAT
397

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (53-077136)	484755.62N/1223256.31W	303	20	3	1A	250					560

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
BLI

PROCEDURE NAME
RNAV (GPS) Y RWY 16

AMDT NO.
4

CITY
BELLINGHAM

STATE
WA

AIRPORT ELEVATION
171

FACILITY
RNAV

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
TECUV

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
325

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (53-000846)	484826.47N/1223323.14W	325	50	10	2B		ASC				2000
AAO	484409.00N/1224236.00W	558	215	8	4B	1000					1600
TERRAIN	484409.00N/1224236.00W	357 (400)								AS1500	1900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW16 **TO**
TECUV

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
460

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
AAO	484409.00N/1224236.00W	558	215	8	4B	1000					1600
TERRAIN	484409.00N/1224236.00W	357 (400)								AS1500	1900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
BLI

PROCEDURE NAME
RNAV (GPS) Y RWY 16

AMDT NO.
4

CITY
BELLINGHAM

STATE
WA

AIRPORT ELEVATION
171

FACILITY
RNAV

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW34 - REIL (PCL), HIRL (PCL), PAPI-4L	NPI-G	ROLL OUT
RW16 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
163.4

TCH
51.4

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
50.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW
-10C

CRITICAL HIGH
+54C

ACT
-10C

APT ISA
-14.66C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 957 HIGH TEMP 1262.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

40 FT VEGETATION USED PER FPT.

CONTINGENCY PURPOSES:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FHR ALTIMETER SETTING: INCREASE LPV DA TO 430 FEET; INCREASE LNAV/VNAV DA TO 553 FEET AND ALL VISIBILITIES TO RVR 3500. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CATS C/D TO RVR 5000 AND CIRCLING CAT C 1/4 SM.

VDP AND BARO-VNAV NA WHEN USING FHR ALTIMETER SETTING.

FOR INOPERATIVE ALS WHEN USING FHR ALTIMETER SETTING: INCREASE LPV VISIBILITY TO RVR 4500, LNAV CAT C/D TO 1 3/8 SM.

**RVR 1800 NA WHEN USING FHR ALTIMETER SETTING.

MAPS FOR CANADIAN AIRSPACE WERE NOT AVAILABLE.

TAA NOT DEVELOPED PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.09
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	179.84
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	5.01
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.57
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	179.84
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	200

THRESHOLD COORDINATES (IF STR-IN)

484806.74N/1223215.20W

ARP COORDINATES

484733.70N/1223215.10W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 34 DISTANCE 0.55 NM

FAF COORDINATES

485342.83N/1223216.61W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

CASIMIR L. TABAKA (ROBERT A. SWINSON)

OFFICE

AJV-A432

DATE

05/28/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

