

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV - 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 ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
KBFI	RNAV (GPS) Y RWY 14R	ORIG-A	SEATTLE	WA	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
22	18	RNAV (GPS) Y RWY 14R	08/10/2023	15E	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>		
RNAV		20 FEBRUARY 2025	ROUTINE		

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>
DIGGN	IAF	LOFAL		TF	FB		133.75	6.71	5400
LOFAL		LEMNN		TF	FB		125.56	13.80	2200
WOODI	IAF	DEDBE		TF	FB		275.87	8.91	7000
DEDBE		USDAW		TF	FB		256.47	8.68	5000
USDAW		JACAL		TF	FB		239.60	5.69	4000
JACAL		LEMNN		TF	FB		178.61	7.77	2200
ARVAD	IAF	FAVDU		TF	FB		351.16	14.43	8000
FAVDU		BIGIO		TF	FB		334.42	10.25	4000
BIGIO		HAGEV		TF	FB		010.79	3.56	3000
HAGEV		LEMNN		TF	FB		083.62	3.56	2200
LEMNN	IF	COLMT		TF	FB		120.09	5.42	1600
COLMT	FAF	RW14R	MAP	TF	FO		135.16	4.80	
RW14R	MAP	301 MSL		CA	FB		135.16		
301 MSL		OCEZE		DF	FB				1500
OCEZE		LACKR		TF	FB		135.27	5.89	
LACKR		SEYOY		TF	FB		206.00	10.74	
SEYOY		CIDUG		TF	FO		171.65	13.96	5000

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA

MISSED APPROACH INSTRUCTIONS:
CLIMB DIRECT OCEZE, CROSS OCEZE AT 1500, THEN CLIMB TO 5000 ON THE RNAV MISSED APPROACH ROUTE TO CIDUG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT LEMNN					
3. FAC: 135.16	FAF: COLMT	DIST FAF TO MAP: 4.80	DIST FAF TO THLD: 4.80		
4. MIN ALT: LEMNN 2200, COLMT 1600					
5. DIST TO THLD FROM FAF:	MM:	IM:	150 HAT:	283 HAT: 0.71	
6. MIN GP INCPT: 1600	GP ALT AT FAF: COLMT 1600	MM:	IM:		
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 55.2		
8. MSA FROM: RW14R 6500					

PBN EQUIPMENT REQUIREMENTS NOTES:
RNP APCH - GPS

NOTES:
EQUIPMENT REQUIREMENTS NOTE: RADAR REQUIRED FOR MISSED APPROACH
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C OR ABOVE 54C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV VISIBILITY TO RVR 4500
CHART NOTE: RWY 14R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WOODI ON T268 EASTBOUND.
CHART PLANVIEW NOTE: A DESCENT TO 1500 MAY BE REQUIRED WHEN EXECUTING AN EARLY MISSED APPROACH.
CHART SPEED ICON IN PLANVIEW AT HAGEV: MAX 200 KIAS

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 171.62 INBOUND
CHART FAS OBST: 421 TRANSMISSION LINE (53-043526) 473337N/1221843W
CHART 113 TREE 473244N/1221906W
CHART MANDATORY 1500 AT OCEZE
CHART KRNT, KSEA
WAAS CHANNEL #92568
REFERENCE PATH ID: W14A
LTP HAE (WGS84): -18.0 M
NON-FAA PROCEDURE

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	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	301	4000	283	301	4000	283	301	4000	283	301	4000	283			
LNAV/VNAV DA	744	1 3/4	726	744	1 3/4	726	744	1 3/4	726	744	1 3/4	726			

CHANGES - REASONS:

1. DELETED LNAV MINIMA - CANCEL FDC 4/9326
2. DELETED FEVAS/2.72 NM TO RW14R LNAV STEPDOWN TERMINAL ROUTE AND PROFILE MIN ALT
3. DELETED 741 MONUMENT (53-000090) 7:1 LNAV SURFACE OBSTACLE
4. DELETED 1.90 NM TO RW14R VDP
5. DELETED CIRCLING MINIMA - AIRPORT REQUEST
6. DELETED CIRCLING NA FOR CATS C AND D NE OF RWY 14L-32R NOTE
7. DELETED CIRCLING RWY 32R NA AT NIGHT NOTE
8. DELETED LNAV INOPERATIVE ALS VISIBILITY NOTE
9. CHANGED ALTERNATE MINIMA FROM CAT B 900-2, CAT C 1000-2 3/4, CAT D 1000-3 TO STANDARD - ORDER 8260-3, TABLE 3-4-1
10. INCREASED MSA FROM 6300 TO 6500 - USGS 3DEP AND CHART STUDY

COORDINATED WITH:

A4A☒ALPA☒AOPA☒APA☒HAI☐NBAA☒OTHER: S46, BFI ATCT, WST FPT

FLIGHT CHECKED BY

CHRIS BAUR

Chris Baur

Digitally signed by Chris Baur
Date: 2024.11.02 17:44:07 -07'00'

OFFICE

HAC

DATE

08/01/2022

DEVELOPED BY

BOB ABBOTT

Bob Abbott

Digitally signed by Bob Abbott
Date: 2024.11.02 17:44:19 -07'00'

OFFICE

HAC

DATE

10/21/2024

APPROVED BY

TONY LAWSON

Tony Lawson

Digitally signed by Tony Lawson
Date: 2024.11.02 17:45:28 -07'00'

OFFICE

HAC

DATE

11/01/2024

TITLE

CHIEF DESIGNER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBFI
RUNWAY	RW14R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	473225.9540N
LTP/FTP LONGITUDE	1221840.8755W
LTP/FTP ELLIPSOIDAL HEIGHT	-00180
FPAP LATITUDE	473100.2485N
FPAP LONGITUDE	1221728.4170W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40
VERTICAL ALERT LIMIT (VAL)	50
 <u>CRC REMAINDER</u>	 78DC6EC3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+000054
FPAP ORTHOMETRIC HIEGHT	+000054