

**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.

<u>AIRPORT ID</u> PAFA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> FAIRBANKS	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 439	<u>TDZE</u> 434	<u>SUPERSEDED</u> RNAV (GPS) RWY 20L	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 08/12/2021	<u>MAG VAR</u> 15E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> 10/07/2021	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 113/30 CW 294/30	NOPT	113/8 CW 294/8		7200
2. 113/8 CW 294/8		LURCI	IF/IAF	4900
3. 294/30 CW 024/30		WNMAG	IAF	5500
4. 024/30 CW 113/30		MOOSS	IAF	5400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WNMAG	IAF	LURCI	NOPT	TF	FB	1.00	293.73	7.52	4900
MOOSS	IAF	LURCI	NOPT	TF	FB	1.00	113.31	7.52	4900
LURCI	IF/IAF	CIPKI		TF	FB	1.00	203.52	7.22	4500
CIPKI		WEKNI		TF	FB	1.00	203.37	4.74	3100
WEKNI	FAF	MSKEG/5.63 NM TO RW20L		TF	FB	0.30	203.25	2.61	
MSKEG/5.63 NM TO RW20L		RW20L	MAP	TF	FO	0.30	203.25	5.63	
RW20L	MAP	684 MSL		CA			203.25		
684 MSL		DOUGE		DF	FO	1.00			3700

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW20L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3700 DIRECT DOUGE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NE LURCI, RT, 203.52 INBOUND, 4900 FT. IN LIEU OF PT (IF/IAF), MAX 9000.					
3. FAC:	203.25	FAF: WEKNI	DIST FAF TO MAP: 8.24		DIST FAF TO THLD: 8.24
4. MIN ALT: LURCI 4900, CIPKI 4500, WEKNI 3100, MSKEG/5.63 NM TO RW20L 2260					
5. DIST TO THLD FROM FAF:	8.24	MM:	IM:	150 HAT:	250 HAT: 0.65 GS ANT:
6. MIN GP INCPT:	3100	GP ALT AT FAF :	WEKNI 3100	OM:	MM: IM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 42.1	
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA W OF RWY 2L-20R.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART NOTE: CIRCLING NA TO RWYS 2W/20W AND 2/20.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 022.79 INBOUND.
FAS OBST: 660 AAO 645244N/1474532W.
762 AAO 645339N/1474412W.
CHART VDP AT 1.39 NM TO RW20L.
WAAS CHANNEL # 93812
REFERENCE PATH ID: W20A
CHART CIRCLING ICON.
LTP HAE: 141.8 M

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

ALTERNATE: NA ☐ STANDARD

<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	684	3/4	250	684	3/4	250	684	3/4	250	684	3/4	250			
LNAV/VNAV DA	701	7/8	267	701	7/8	267	701	7/8	267	701	7/8	267			
LNAV MDA	920	1	486	920	1	486	920	1 3/8	486	920	1 3/8	486			
CIRCLING	920	1	481	920	1	481	920	1 1/2	481	1000	2	561			

CHANGES - REASONS

- STRAIGHT-IN TAA SECTOR 1 CHANGED FROM "133/30 CW 274/30 TO 133/10 CW 274/10" TO "113/30 CW 294/30 TO 113/8 CW 294/8" - TAA CHANGED FROM Y TO T CONFIG.
-- STRAIGHT-IN TAA SECTOR 2 CHANGED FROM "133/10 CW 274/10 TO FALUX" TO "113/8 CW 294/8 TO LURCI" - TAA CHANGED FROM Y TO T CONFIG, NAME OF INTERMEDIATE FIX CHANGED. --
LEFT BASE CHANGED FROM "274/30 CW 023/30" TO "294/30 CW 024/30" & ALTITUDE CHANGED FROM 5600 TO 5500 - TAA CHANGED FROM Y TO T CONFIG, NEW CONTROLLING OBSTACLE.
-- RIGHT BASE CHANGED FROM "023/30 CW 133/30" TO "024/30 CW 113/30" - TAA CHANGED FROM Y TO T CONFIG.
- TERMINAL ROUTE:
-- WNMAG TO FALUX CHANGED TO WNMAG TO LURCI, COURSE CHANGED FROM 273.73 TO 293.73, DISTANCE CHANGED FROM 8.00 TO 7.52 - TAA CHANGED FROM Y TO T CONFIGURATION, NAME OF INTERMEDIATE FIX CHANGED.
-- MOOSS TO FALUX CHANGED TO MOOSS TO LURCI, COURSE CHANGED FROM 133.31 TO 113.31, DISTANCE CHANGED FROM 4.48 TO 7.52 - TAA CHANGED FROM Y TO T CONFIGURATION, NAME OF INTERMEDIATE FIX CHANGED.
-- FALUX TO CIPKI CHANGED TO LURCI TO CIPKI, COURSE CHANGED FROM 203.46 TO 203.52, DISTANCE CHANGED FROM 4.48 TO 7.22 - NAME OF INTERMEDIATE FIX CHANGED AND MOVED AT FPT REQUEST
-- CIPKI TO DONSY CHANGED TO CIPKI TO WEKNI, COURSE CHANGED FROM 203.36 TO 203.37, DISTANCE CHANGED FROM 3.46 TO 4.74, ALTITUDE CHANGED FROM 3400 TO 3100 - NAME OF PFAF FIX CHANGED AND MOVED AT FPT REQUEST, ALT TO CHANGED AT FPT REQ
-- DONSY TO MSKEG CHANGED TO WEKNI TO MSKEG, COURSE CHANGED FROM 203.28 TO 203.25, DISTANCE CHANGED FROM 3.89 TO 2.61, DISTANCE CHANGED FROM 3.89 TO 2.61 - NAME OF PFAF FIX CHANGED AND THLD LOCATION CHANGED
-- MSKEG/5.30 NM TO RW20L TO RW20L CHANGED TO MSKEG/5.63 NM TO RW20L TO RW20L, COURSE CHANGED FROM 203.28 TO 203.25, DISTANCE CHANGED FROM 5.30 TO 5.63 - THLD LOCATION CHANGED
-- CA LEG COURSE 203.28 CHANGED TO 203.25 - FINAL COURSE CHANGED
- PROFILE:
-- #2 POINT HOLD NE FALUX CHANGED TO HOLD NE LURCI, INBOUND COURSE CHANGED FROM 203.46 TO 203.52 - INTERMEDIATE FIX NAME CHANGED AND LOCATION AT FPT REQUEST
-- #3 FAC: CHANGED FROM 203.28 TO 203.25 FAF: CHANGED FROM DONSY TO WEKNI, DIST FAF TO MAP: CHANGED FROM 9.19 TO 8.24, DIST FAF TO THLD: CHANGED FROM 9.19 TO 8.24 - PFAF FIX NAME CHANGED AND LOCATION AT FPT REQUEST AND THLD LOCATION CHANGED.
-- #4 MIN ALT: CHANGED FROM FALUX TO LURCI, CHANGED FROM DONSY 3400 TO WEKNI 3100, CHANGED FROM MSKEG/5.30 NM TO RW20L 2160* TO MSKEG/5.63 NM TO RW20L 2260 - INTERMEDIATE NAME CHANGE AND LOCATION AT REQUEST OF FPT AND THLD LOCATION CHANGED, ASTERISK REMOVED DUE TO FAAO 8260.19I
-- #5 CHANGED THE DISTANCE FROM THE FAF TO THE THLD: 9.19 TO 8.24, 250 HAT DISTANCE CHANGED FROM 0.66 TO 0.55 - NOT REQUIRED, HAT CHANGED BECAUSE OF A NEW CONTROLLING OBSTACLE
-- #6 MIN GP INCP: CHANGED FROM 3400 TO 3100, GP ALT AT FAF: CHANGED FROM DONSY 3400 TO WEKNI 3100 - ALT TO CHANGE AT REQUEST OF FPT
- ADDITIONAL FLIGHT DATA:
-- CHANGE CHART FAS OBST: 630 TOWER (02-020202) 645147N/1474515W TO FAS OBST: 660 AAO 545244N/1474532W - NEW CONTROLLING OBSTACLE
-- CHANGE CHART VDP AT 1.27 NM TO RW20L* TO CHART VDP AT 1.39 NM TO RW20L -MDA INCREASED
-- ADD 762 AAO 645339N/1474412W - NEW 7.1 OBSTACLE
-- LTP HAE CHANGED FROM 141.5 M TO 141.8 M - NEW RWY THLD
-- REMOVED "LNAV ONLY" - NO LONGER REQUIRED BY 8260.19I
- MINIMUMS
-- LPV DA ALL CATS VIS CHANGED FROM 7/8 TO 3/4 - RECALCULATION
-- LNAV/VNAV DA ALL CATS DA/MDA CHANGED FROM 702 TO 701 AND HAT/HAA FROM 268 TO 267 - RECALCULATION
-- LNAV MDA ALL CATS DA/MDA CHANGED FROM 880 TO 920 AND HAT/HAA FROM 446 TO 486 - NEW CONTROLLING OBSTACLE
-- CIRCLING CAT A MDA/HAA CHANGED FROM 880/441 TO 920/481, CAT B/C MDA/HAA CHANGED FROM 900/461 TO 920/481, CAT D MDA/HAA CHANGED FROM 1020/581 TO 1000/561 - NEW CONTROLLING OBSTACLES

08/24/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/07/2021:
ON PAGE 1, CHANGED REQUIRED EFFECTIVE DATE FROM "ROUTINE" TO 10/07/2021- PROCEDURE REQUIRES A HARD DATE

COORDINATED WITH:

AAA ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, FAI ATCT, AIRPORT MANAGER,

FLIGHT CHECKED BY

PENDING

Digitally signed by

JOHN BORDY

Aug 25, 2021

OFFICE

DATE

DEVELOPED BY

JOHN BORDY (RICHARD CAMPBELL)

Digitally signed by

JOHN BORDY

Aug 25, 2021

OFFICE

AJV-A422

DATE

05/07/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Aug 25, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAFA
RUNWAY	RW20L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	644835.8100N
LTP/FTP LONGITUDE	1475128.0400W
LTP/FTP ELLIPSOIDAL HEIGHT	+01418
FPAP LATITUDE	644725.8805N
FPAP LONGITUDE	1475336.4405W
THRESHOLD CROSSING HEIGHT (TCH)	00042.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	55D97E03

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+01323
FPAP ORTHOMETRIC HEIGHT	+01323