

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 ID</u> PAFA	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 20R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> FAIRBANKS	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 439	<u>TDZE</u> 439	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 20R	<u>ORIGINAL/AMENDMENT</u> 1A	<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> 5 OCTOBER 2023	<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>
MUSHR	IAF	TRPLN		TF	FB	1.00	157.91	4.51	5500
TRPLN	IF	CIGNI		TF	FB	0.50	181.98	8.69	3300
CIGNI		WUNDU		TF	FB	0.30	203.28	3.64	2200
WUNDU		JOGUP		TF	FB	0.30	203.20	1.70	1700
ROAAD	IAF	JUSIV		TF	FB	1.00	339.01	3.89	5000
JUSIV	IF	IMHID		TF	FB	1.00	342.09	3.46	4200
IMHID		OMPUE		RF	FB	1.00	(3.00 NM RADIUS CCW (CFFWT))	4.98	2700
OMPUE		WUNDU		RF	FB	0.50	(2.40 NM RADIUS CCW (CFFWS))	1.82	2200
MINRR	IAF	YIPUT		TF	FB	1.00	023.03	2.81	5000
YIPUT	IF	WAKUK		TF	FB	1.00	023.09	2.84	4900
WAKUK		IMHID		RF	FB	1.00	(3.00 NM RADIUS CCW (CFFWT))	2.15	4200
JOGUP	PFAF	RW20R	MAP	TF	FO	0.30	203.16	3.79	
RW20R	MAP	BOSGE		TF	FB	1.00	203.00	6.68	
BOSGE		AKIKE		RF	FB	1.00	(5.00 NM RADIUS CCW (CFFWV))	14.87	
AKIKE		KRNKL		TF	FO	1.00	032.77	3.69	4000

QUALITY
16
CHECKED

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 ON TRACK 203.08 TO BOSGE THEN LEFT TURN TO AKIKE THEN ON TRACK 032.77 TO KRNL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT WUNDU					
3. FAC: 203.16	PFAF: JOGUP	DIST PFAF TO MAP:		DIST PFAF TO THLD:	
4. MIN ALT: WUNDU 2200, JOGUP 1700					
5. DIST TO THLD FROM PFAF: 3.79	MM:	IM:	150 HAT:	324 HAT: 0.84	GS ANT:
6. MIN GP INCPT: 1700	GP ALT AT PFAF : JOGUP 1700		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.8		
8. MSA FROM: RW20R 4400					

EQUIPMENT REQUIREMENTS NOTE:

RNP AR APCH - GPS

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -18°C OR ABOVE 54°C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 SM.
CHART PLANVIEW NOTE AT OMPUE: (RNP 0.50).
CHART PLANVIEW NOTE AT TRPLN: (RNP 0.50).
CHART PLANVIEW NOTE AT CIGNI: (RNP 0.30).
CHART SPEED ICON IN PLANVIEW AT MUSHR: MAX 220 KIAS.
CHART SPEED ICON IN PLANVIEW AT ROAAD: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT JUSIV: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT MINRR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT YIPUT: MAX 200 KIAS.

ADDITIONAL FLIGHT DATA:

CHART AT OR BELOW 6500 AND AT OR ABOVE 5000 AT MINRR.
CHART AT OR BELOW 6500 AND AT OR ABOVE 5000 AT ROAAD.
CHART: DELTA 1 MOA.
HOLD SE, RT, 292.67 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	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.10 DA	763	2600	324	763	2600	324	763	2600	324	763	2600	324			
RNP 0.30 DA	923	5000	484	923	5000	484	923	5000	484	923	5000	484			

CHANGES - REASONS

1. TERMINAL ROUTES: SEGMENT TRPLN TO CIGNI CHANGED RNP VALUE FROM 0.40 TO 0.50 - RAISED TO HIGHEST ALLOWABLE FOR OBSTACLES/AIRSPACE REQUIREMENTS.
2. TERMINAL ROUTES: SEGMENT JUSIV TO IMHID CHANGED RNP VALUE FROM 0.50 TO 1.00 - RAISED TO HIGHEST ALLOWABLE FOR OBSTACLES/AIRSPACE REQUIREMENTS.
3. TERMINAL ROUTES: SEGMENT IMHID TO OMPUE CHANGED RNP VALUE FROM 0.50 TO 1.00 - RAISED TO HIGHEST ALLOWABLE FOR OBSTACLES/AIRSPACE REQUIREMENTS.
4. TERMINAL ROUTES: SEGMENT MINRR TO YIPUT CHANGED RNP VALUE FROM 0.70 TO 1.00, COURSE CHANGED FROM 028.19 TO 023.03, AND DISTANCE CHANGED FROM 1.80 TO 2.81 - FIXES MINRR AND YIPUT MOVED.
5. TERMINAL ROUTES: SEGMENT YIPUT TO WAKUK CHANGED RNP VALUE FROM 0.50 TO 1.00, COURSE CHANGED FROM 029.07 TO 023.09, AND DISTANCE CHANGED FROM 2.53 TO 2.84 - FIXES YIPUT AND WAKUK MOVED.
6. TERMINAL ROUTES: SEGMENT WAKUK TO IMHID CHANGED RNP VALUE FROM 0.50 TO 1.00, AND DISTANCE CHANGED FROM 2.46 TO 2.15 - FIX WAKUK MOVED.
7. TERMINAL ROUTES: SEGMENT JOGUP TO RW20R CHANGED DISTANCE FROM 3.78 TO 3.79 - UPDATED CALCULATED DISTANCE.
8. MISSED APPROACH: CHANGED FROM "CLIMB TO 4000 ON TRACK 203.11 TO BOSGE, LEFT TURN TO AKIKE, THEN TRACK 032.77 TO KRNL AND HOLD" TO "CLIMB TO 4000 ON TRACK 203.08 TO BOSGE, THEN LEFT TURN TO AKIKE, THEN TRACK 032.77 TO KRNL AND HOLD" - NEW MA COURSE.
9. PROFILE LINE 4: ADDED JOGUP 1700 - JOGUP IS DEPICTED IN THE PROFILE VIEW IAW 8260.19I
10. PROFILE LINE 5: CHANGED DIST TO THLD FROM PFAF FROM 3.78 TO 3.79 - UPDATED CALCULATED DISTANCE.
11. PROFILE LINE 8: CHANGED FROM RW20R 4500 TO RW20R 4400 - NEW OBSTACLE/NO AC CODE REQUIRED
12. NOTES: CHANGED FROM "FOR INOPERATIVE ALS, INCREASE RNP 0.10 ALL CATS VISIBILITY TO RVR 5000." TO "FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 SM" - NEW VISIBILITY VALUES.
13. NOTES: REMOVED "CHART PLANVIEW NOTE AT WAKUK: DO NOT EXCEED 180 KIAS UNTIL WUNDU" AND REMOVED "CHART PLANVIEW NOTE AT IMHID: DO NOT EXCEED 180 KIAS UNTIL WUNDU" - NO SPEED RESTRICTION REQUIRED.
14. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT JUSIV: MAX 210 KIAS, CHART SPEED ICON IN PLANVIEW AT MUSHR: MAX 220 KIAS, AND CHART SPEED ICON IN PLANVIEW AT YIPUT: MAX 200 KIAS - NEW MINIMUM AIRSPEEDS.
15. NOTES: REMOVED "CHART PLANVIEW NOTE AT MUSHR: (RNP 0.30), CHART PLANVIEW NOTE AT MINRR: (RNP 0.30), AND CHART PLANVIEW NOTE AT ROAAD: (RNP 0.30)" - USED RNP 1.00, NOT REQUIRED.
16. NOTES: ADDED "CHART PLANVIEW NOTE AT OMPUE: (RNP 0.50), CHART PLANVIEW NOTE AT TRPLN: (RNP 0.50), CHART PLANVIEW NOTE AT CIGNI: (RNP 0.30)" - IF SEGMENT VALUES LESS THAN RNP 1.00.
17. MINIMUMS: CHANGED 0.10 LINE OF MINIMA FROM "763 DA, 3000 VIS, 324 HAT" FOR CATS A, B, C, D TO "763 DA, 2600 VIS, 324 HAT" FOR CATS A, B, C, D - NEW VISIBILITY TABLE.
18. MINIMUMS: CHANGED 0.30 LINE OF MINIMA FROM "923 DA, 6000 VIS, 483 HAT" FOR CATS A, B, C, D TO "923 DA, 5000 VIS, 484 HAT" - NEW VISIBILITY TABLE.

QUALITY
16
CHECKED

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, FAI APP CON, FAI ATCT, FAI AMGR, AK AERO

FLIGHT CHECKED BY
JEREMY C. LEIGHTON

OFFICE
Digitally signed by FPO
CASIMIR L TABAKA

DATE
07/27/23

DEVELOPED BY
APRIL SARMENTO

Digitally signed by
APRIL T SARMENTO
May 08, 2023

Aug 08, 2023 **OFFICE**
AJV-A432

DATE
03/28/2023

APPROVED BY
CASIMIR TABAKA

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Aug 08, 2023

OFFICE
AJV-A432

DATE

TITLE
MANAGER

