

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</u> FAIRBANKS INTL	<u>AIRPORT ID</u> PAFA	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 20R	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> FAIRBANKS	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 439	<u>TDZE</u> 439	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 20R	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 18E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 130/30 CW 271/30	NOPT	130/10 CW 271/10		7000
1. 130/10 CW 271/10		ZUREP	IF/IAF	4900
2. 271/30 CW 020/30		271/8 CW 020/8		5600
2. 271/8 CW 020/8		KUPGE	IAF	4900
3. 020/30 CW 130/30		020/8 CW 130/8		5500
3. 020/8 CW 130/8		MEKAE	IAF	4900

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>
KUPGE	IAF	ZUREP	NOPT	TF	FB	1.00	270.68	8.00	4900
MEKAE	IAF	ZUREP	NOPT	TF	FB	1.00	130.26	8.00	4900
ZUREP	IF/IAF	ROPEE		TF	FB	1.00	200.41	2.94	4000
ROPEE		CIGNI		TF	FB	1.00	200.35	2.94	3400
CIGNI	FAF	HOVMO/5.00 NM TO RW20R		TF	FB	0.30	200.28	4.12	
HOVMO/5.00 NM TO RW20R		RW20R	MAP	TF	FO	0.30	200.28	5.00	
RW20R	MAP	639 MSL		CA			200.28		
639 MSL		JOTUG		DF	FO	1.00			3000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW20R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT JOTUG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2.	HOLD N ZUREP, LT, 200.41 INBOUND, 4900 FT. IN LIEU OF PT (IAF), MAX 5000.								
3. FAC:	200.28	FAF: CIGNI	DIST FAF TO MAP: 9.12		DIST FAF TO THLD: 9.12				
4. MIN ALT:	ZUREP 4900, ROPEE 4000, CIGNI 3400, HOVMO/5.00 NM TO RW20R 2060*								
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:			
6. MIN GP INCPT:	3400	GP ALT AT FAF : CIGNI 3400			OM:		MM:		IM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.7					
8. MSA FROM:									

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA W OF RWY 02L-20R.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NA TO RWYS 2W AND 20W.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 54C.
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

1758 AAO 645613.12N/1473544.43W.
CHART CIRCLING ICON.
CHART VDP AT 1.59 NM TO RW20R*
*LNAV ONLY
WAAS CHANNEL #58329
REFERENCE PATH ID: W20B
CHART FAS OBST: 630 TOWER 645147N/1474515W.
HOLD S, RT, 019.78 INBOUND
LTP HAE: 143.2 M

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**	639	2400	200	639	2400	200	639	2400	200	639	2400	200			
LNAV/VNAV DA	1148	2	709	1148	2	709	1148	2	709	1148	2	709			
LNAV MDA	1020	2400	581	1020	2400	581	1020	1 1/4	581	1020	1 1/4	581			
CIRCLING	1020	1	581	1020	1	581	1020	1 3/4	581	1020	2	581			

CHANGES - REASONS

1. ADDED CHART NOTE: CIRCLING NA TO RWYS 2W AND 20W - VISUAL SURFACE AREAS NOT EVALUATED FOR OBSTACLES.
2. UPDATED FOR UNCOMPENSATED BARO-VNAV SYSTEMS NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 54C - FAHRENHEIT NO LONGER REQUIRED.
3. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - PER 8260.19H NAVSPEC REQUIREMENT.
4. UPDATED 8260-3 LINE 7 BY ADDING 20:1 IS CLEAR - NO VISUAL SURFACE PENETRATIONS EXIST IN CATS A/B VISUAL AREAS.
5. ADDED 7:1 OBSTACLE 1758 AAO 645613.12N/1473544.43W TO ADDITIONAL FLIGHT DATA AND ANNOTATED THE 8260-9 - PER 8260.3D.
6. UPDATED VDP DISTANCE FROM 1.66 TO 1.59 NM TO RW20R*- UPDATED DATA.



COORDINATED WITH:

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

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

DEVELOPED BY
SYLVAN DRAKES
Digitally signed by
SYLVAN DRAKES
Jul 13, 2018

APPROVED BY
PATRICK MULQUEEN

Digitally signed by
DAVID TEFFETELLER
Aug 31, 2018

OFFICE	Digitally signed by	DATE
	DAVID TEFFETELLER	
	Aug 31, 2018	
OFFICE		DATE
AJV-5433		07/13/2018
OFFICE		DATE
AJV-5430		

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	RW20R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20B
LTP/FTP LATITUDE	644935.1005N
LTP/FTP LONGITUDE	1475031.8200W
LTP/FTP ELLIPSOIDAL HEIGHT	+01432
FPAP LATITUDE	644809.4730N
FPAP LONGITUDE	1475309.1760W
THRESHOLD CROSSING HEIGHT (TCH)	00055.7
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)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	DEDFA1EC
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+01338
FPAP ORTHOMETRIC HEIGHT	+01338

