

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> EDWARD G PITKA SR	<u>AIRPORT ID</u> PAGA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> GALENA	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 154	<u>TDZE</u> 154	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 11/13/2014	<u>MAG VAR</u> 13E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 09/13/2018	<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. 167/30 CW 347/30	NOPT	167/8 CW 347/8		5900
2. 167/8 CW 347/8		MIGKY	IF/IAF	4000
3. 347/30 CW 077/30		ORIZY	IAF	5000
4. 077/30 CW 167/30		EDWUM	IAF	4300

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>
ORIZY	IAF	MIGKY	NOPT	TF	FB	1.00	347.10	8.00	4000
EDWUM	IAF	MIGKY	NOPT	TF	FB	1.00	167.10	8.00	4000
MIGKY	IF/IAF	CIVBA		TF	FB	1.00	257.09	9.53	2300
CIVBA	FAF	YAGUL/3.00 NM TO RW26		TF	FB	0.30	256.78	3.61	
YAGUL/3.00 NM TO RW26		RW26	MAP	TF	FO	0.30	256.78	3.00	
RW26	MAP	404 MSL		CA			256.78		
404 MSL		JINUV		DF	FO	1.00			3600



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW26

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3600 DIRECT JINUV AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2.	HOLD E MIGKY, LT, 257.09 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.							
3. FAC:	256.78	FAF: CIVBA	DIST FAF TO MAP: 6.61	DIST FAF TO THLD: 6.61				
4. MIN ALT:	MIGKY 4000, CIVBA 2300, YAGUL/3.00 NM TO RW26 1140*							
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.65	GS ANT:			
6. MIN GP INCPT: 2300	GP ALT AT FAF : CIVBA 2300		OM:	MM:	IM:			
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 42.4					
8. MSA FROM:								

PBN REQUIREMENTS NOTES:

RNP APCH

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.02 NM TO RW26*
*LNAV ONLY
WAAS CHANNEL #77707
REFERENCE PATH ID: W26A
CHART FAS OBST: 252 TREE 644431N/1565423W.
550 AAO 644337N/1564252W.
HOLD W, RT, 076.01 INBOUND
LTP HAE: 54.2 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	404	1	250	404	1	250	404	1	250	404	1	250			
LNAV/VNAV DA	414	1	260	414	1	260	414	1	260	414	1	260			
LNAV MDA	520	1	366	520	1	366	520	1	366	520	1	366			
CIRCLING	560	1	406	620	1	466	620	1 1/2	466	720	2	566			

CHANGES - REASONS

1. UPDATED MAGVAR FROM 17E/2010 TO 13E/2020, UPDATED RWY NUMBER FROM 25 TO 26, AND ALL COURSES UPDATED 4 DEGREES EAST - AIRPORT MAGVAR OUT OF TOLERANCE.
2. UPDATED AIRPORT ELEVATION FROM 153 TO 154 AND TDZE FROM 153 TO 154 - NEW AIRPORT DATA.
3. UPDATED PROCEDURE NAME FROM RNAV (GPS) RWY 25 TO RNAV (GPS) RWY 26 - MAGVAR OUT OF TOLERANCE.
4. CHANGED TAA STRAIGHT IN OUTER ALIGNMENT RADIALS FROM 163 CW 343 TO 167 CW 347 - MAGVAR OUT OF TOLERANCE.
5. CHANGED TAA STRAIGHT IN INNER ALIGNMENT RADIALS AND ARC FROM 163/5 CW 343/5 TO 167/8 CW 347/8 - MAGVAR OUT OF TOLERANCE AND ATC/FPT CHECKLIST.
6. CHANGED TAA LEFT BASE ALIGNMENT RADIALS FROM 343 CW 073 TO 347 CW 077 - MAGVAR OUT OF TOLERANCE.
7. CHANGED TAA RIGHT BASE ALIGNMENT RADIALS FROM 073 CW 163 TO 077 CW 167 - MAGVAR OUT OF TOLERANCE.
8. RAISED MIGKY TO CIVBA ALTITUDE, FAF ALTITUDE AND GS INCPT FROM 2200 TO 2300 - ATC/FPT CHECKLIST
9. UPDATED ORIZY TO MIGKY COURSE FROM 343.10 TO 347.10, EDWUM TO MIGKY COURSE FROM 163.10 TO 167.10, MIGKY TO CIVBA COURSE/DISTANCE FROM 253.10/9.73 TO 257.09/9.53 - MAGVAR OUT OF TOLERANCE
10. UPDATED CIVBA TO YAGUL COURSE/DISTANCE CHANGED FROM 252.76/4.08 TO 256.78/3.61 - MOVED CIVBA (FAF) EAST 1190 FEET. - TCH AND PFAF ALTITUDE CHANGED.
11. UPDATED YAGUL TO RWY 26 (MAP) COURSE/DISTANCE CHANGED FROM 252.62/2.19 TO 256.78/3.00 - MOVED YAGUL (SDF) EAST 4072 FEET - IAW 8260.54A PARA 3.5.1.
12. CHANGED FAF DISTANCE FAF TO THLD FROM 6.27NM TO 6.61NM - NEW LOCATION OF FAF FOR 2300 FT ALTITUDE.
13. LOWERED TCH FROM 50.0 TO 42.4 - PER ATC/FPT CHECKLIST.
14. CHANGED HOLDING TURN DIRECTION/INBOUND RADIAL FROM RT/253.10 TO LT/257.09 - ATC REQUEST AND DUE TO TERRAIN.
15. CHANGED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 3600 DIRECT JINUV AND HOLD TO CLIMB TO 3600 DIRECT JINUV AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600 - ATC/FPT CHECKLIST.
16. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - IAW 8260.19H PARA 8-6-10.T. & UPDATE TO NEW CIRCLING CRITERIA.
17. ADDED "CHART VDP AT 1.02NM TO RW26 AND **LNAV ONLY" TO ADDITIONAL FLIGHT DATA - 20:1 PENETRATIONS NO LONGER EXIST.
18. UPDATED CRC REMAINDER IN FAS DATA FROM 6F5E2E65 TO 11D1DBE7- CHANGE TO REF PATH ID, LTP LAT/LONG - UPDATED AIRPORT DATA, TCH, RWY NUMBER CHANGE, AND FPAP.
19. UPDATED NOTE FROM "34:1 IS NOT CLEAR" TO "34:1 IS CLEAR" AND ADDED "20:1 IS CLEAR" - ALL VISUAL SURFACES ARE CLEAR, IAW 8260.19H 8-6-7.G.(3).
20. UPDATED FAS OBST FROM "CHART FAS OBST: 320 MOBILE CRANE 64403N/1565506W" TO "CHART FAS OBST: 252 TREE 644431N/1565423W" - NEW CONTROLLING OBSTACLE.
21. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTES AND DELETED "CHART NOTE: DME/DME RNP - 0.3 NA" FROM NOTES SECTION - IAW 8260.19H PARA 8-6-8.B.(1) AND IMPLEMENTATION OF FAA ORDER 8260.19H FLIGHT PROCEDURES AND AIRSPACE MEMO, DATED 9/12/2017 PARA. F.
22. UPDATED TEMPERATURE NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 42C (109F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C" - IAW 8260.19H 8-6-9.S. AND MEMO DATED 03/01/2013.
23. MOVED THE BACK-UP ALTIMETER NOTE AND ALL ASSOCIATED NOTES TO THE 8260-9 PART C GENERAL REMARKS - IAW 8-6-9.F.(3).
24. DELETED "CHART NOTE: PROCEDURE NA AT NIGHT" - VGSI DECOMMISSIONED/20:1 PENETRATIONS NO LONGER EXIST.
25. UPDATED CA LEG FROM "RW25 TO 403 MSL" TO "RW26 TO 404 MSL" - MAGVAR OUT OF TOLERANCE/NEW AIRPORT DATA.
26. ADDED LEG TYPES AND RNP VALUES TO TERMINAL ROUTES - IAW 8260.19H 8-6-4.A.(6)(B) & (C).
27. RAISED LPV ALL CATS DA FROM 403 TO 404 - NEW AIRPORT DATA.
28. LOWERED LNAV/VNAV ALL CATS DA/VIS/HAT FROM 481/1 1/8/328 TO 414/1/260, LOWERED LNAV ALL CATS MDA/HAT FROM 580/427 TO 520/366 AND VIS CATS C/D FROM 1 1/4 TO 1 AND LOWERED CAT A CIRCLING CMDA/HAA FROM 620/467 TO 560/406, CAT B/C HAA FROM 467 TO 466, CAT D HAA TO 567 TO 566 - NEW CONTROLLING OBSTACLE.
29. DELETED "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NA" - 20:1 AND 34:1 PENETRATIONS NO LONGER EXIST.
30. LOWERED TAA LEFT BASE ALTITUDE FROM 5400 TO 5000 - NEW CONTROLLING OBSTACLE.
31. ADDED 550 (7:1) OBSTACLE AAO TO ADDITIONAL FLIGHT DATA NOTES.

PDF EDIT CRITICAL TEMP REMARKS: CHANGED AVERAGE COLD TEMPERATURE DERIVED FROM ISA - 40 TO AVERAGE COLD TEMPERATURE BASED ON STANDARD -40C DEVIATION.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAN, WST FPT

FLIGHT CHECKED BY

PENDING

Digitally signed by
DONALD H LANIER
Jun 19, 2018

OFFICE

DATE

DEVELOPED BY

ADOLFO URRUTIA (ANTHONY KACZKA)

Digitally signed by
DONALD H LANIER
Jun 19, 2018

OFFICE

AJV-5432

DATE

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
DONALD H LANIER
Jun 19, 2018

OFFICE

AJV-5430

DATE

TITLE



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
EDWARD G PITKA SR	PAGA	RNAV (GPS) RWY 26	3	GALENA	AK	154	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
167/30 CW 347/30

TO
167/8 CW 347/8

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.AAO	645500.00N/1560030.00W	3474	250	50	4D	2000				AT426	5900
2.TERRAIN	645500.00N/1560030.00W	3274 (3300)								AS1500	4800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

STRAIGHT-IN AREA

FROM
167/8 CW 347/8

TO
MIGKY

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.AAO	644503.00N/1555614.66W	1840	250	50	4D	1000				AT1160	4000
4.TERRAIN	644503.00N/1555614.66W	1640 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



INTERMEDIATE

FROM

MIGKY (IF/IAF)

TO

CIVBA

RNP

DISTANCE

PAT

MAP

HAT

HMAS

9.53

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.AAO	644324.22N/1561556.60W	1185	250	50	4D	500				AT615	2300
13.TERRAIN	644253.32N/1562035.37W	925 (900)								AS1000	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
EDWARD G PITKA SR	PAGA	RNAV (GPS) RWY 26	3	GALENA	AK	154	RNAV

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, FAI FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	PAGA	24	PAGA	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3P	PARY	24	PARY	37.61	Y	158

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PAGA 154, PARY 658
RA=157.1

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW08 - HIRL (PCL), REIL (PCL)		PIR-F	
RW26 - HIRL (PCL)		PIR-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	153.2	42.4				

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	799.762
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
EDWARD G PITKA SR	PAGA	RNAV (GPS) RWY 26	3	GALENA	AK	154	RNAV

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-20C	+54C	-25C	+14.7C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE BASED ON STANDARD -40C DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 956 HIGH TEMP 1116.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PER FPT: 40 FT VEGETATION USED IN PROCEDURE.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RUBY ALTIMETER SETTING: INCREASE LPV DA TO 562 FEET, AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 572 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 160 FEET AND VISIBILITY CATS C/D 1/2 SM AND CIRCLING VISIBILITY CATS C/D 1/4 SM.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING RUBY ALTIMETER SETTING.
UNLESS OTHERWISE SPECIFIED, TERRAIN ELEVATIONS VERIFIED USING 1:63,360 TOPOGRAPHICAL CHARTS, 4D ACCURACY APPLIED.
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
EDWARD G PITKA SR	PAGA	RNAV (GPS) RWY 26	3	GALENA	AK	154	RNAV

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	3.47
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	269.78
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	250
DISTANCE FROM	THLD	TO 1500FT POINT	13.74
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	270.09
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	925

THRESHOLD COORDINATES (IF STR-IN) 644409.84N/1565508.82W

ARP COORDINATES 644410.71N/1565559.51W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 8 DISTANCE 0.43 NM

FAF COORDINATES 644412.18N/1563944.03W

FIX NAME COORDINATES IF/IAF MIGKY: 644412.9N/1561729.97W, IAF EDWUM: 645211.31N/1561728.01W, IAF ORIZY: 643614.48N/1561731.91W

REMARKS
TAA 30NM RADIUS
THLD DISPLACED 799.762FT, ACTUAL COORDINATES: 644409.9N/1565450.4W.



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
EDWARD G PITKA SR	PAGA	RNAV (GPS) RWY 26	3	GALENA	AK	154	RNAV
PART E: PREPARED BY							
<u>NAME</u>				<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>	
ADOLFO URRUTIA (ANTHONY KACZKA)				AJV-5432		AERONAUTICAL INFORMATION SPECIALIST	

