

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> PAYA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> YAKUTAT	<u>STATE</u> AK	
<u>AIRPORT ELEVATION</u> 40	<u>TDZE</u> 32	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 4B	<u>DATED</u> 07/24/2014	<u>MAG VAR</u> 20E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 115/30 CW 285/30		115/11 CW 285/11		7900
2. 115/11 CW 285/11		CIMUF	IF/IAF	3600
3. 285/30 CW 025/30	NOPT	CIMUF	IF/IAF	2500
4. 025/30 CW 115/30		DEDYA	IAF	2500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DEDYA	IAF	CIMUF	NOPT	TF	FB	1.00	025.12	6.70	2500
CIMUF	IF/IAF	JOTWI		TF	FB	1.00	295.25	6.35	1600
JOTWI	FAF	RW29	MAP	TF	FO	0.30	295.12	4.76	
RW29	MAP	600 MSL		CA			295.12		600
600 MSL		CIMUF		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 DIRECT CIMUF AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE CIMUF, LT, 295.25 INBOUND, 2500 FT. IN LIEU OF PT (IF/IAF), MAX 6000.

3. FAC: 295.12FAF: JOTWI

DIST FAF TO MAP: 4.76

DIST FAF TO THLD: 4.76

4. MIN ALT: CIMUF 2500, JOTWI 1600

5. DIST TO THLD FROM OM:MM:IM:150 HAT:285 HAT: 0.73GS ANT:

6. MIN GP INCPT: 1600GP ALT AT PFAF : JOTWI 1600OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 52.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 20 NA AT NIGHT.
CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS, LNAV CAT A AND B.
CHART NOTE: WHEN YAKUTAT ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C AND D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
FAS OBST: 290 AAO 592705N/1393311W.
CHART VDP AT 1.43 NM TO RW29.
WAAS CHANNEL # 66006
REFERENCE PATH ID: W29A
CHART CIRCLING ICON.
CHART ANCHORAGE CENTER FREQUENCY.
LTP HAE: 15.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2

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	317	1	285	317	1	285	317	1	285	317	1	285			
LNAV/VNAV DA	409	1	377	409	1	377	409	1	377	409	1	377			
LNAV MDA	540	1	508	540	1	508	540	1	508	540	1	508			QUALITY
CIRCLING	540	1	500	540	1	500	820	2 1/4	780	820	2 1/2	780			29 CHECKED

CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM 33 TO 40. - NEW SURVEY.
2. TDZE CHANGED FROM 26 TO 32. - NEW SURVEY.
3. TAA RADIAL CHANGED FROM 280 TO 285. - PER FPT REQUEST
4. TAA SEQ 1 ALT CHANGED FROM 8000 TO 7900.- NEW CONTROLLING OBSTACLE.
5. DEDY TO CIMUF COURSE AND DISTANCE CHANGED FROM 355.94/8.00 TO 025.12 AND 6.70 - FIXES MOVED FOR ALIGNMENT.
6. CIMUF TO JOTWI RNP VALUE CHANGED FROM 0.5 TO 1.0 AND DISTANCE CHANGED FROM 6.32 TO 6.35. - 8260.19I, FIXES MOVED FOR ALIGNMENT.
7. JOTWI TO RW29 COURSE CHANGED FROM 295.13 TO 295.12 AND DISTANCE CHANGED FROM 4.78 TO 4.76. - FIXES MOVED FOR ALIGNMENT ON THE ILS COURSE.
8. ADDED PBN EQUIPMENT REQUIREMENTS NOTE RNP APCH - GPS. - 8260.19I.
9. REMOVED CHART NOTE DME/DME RNP-0.3 NA. - NO LONGER REQUIRED IAW 8260.19I.
10. CHANGE CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C (0°F) OR ABOVE 54°C (130°F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C." - NEW TEMP DATA USED, AND REMOVED FAHRENHEIT TEMPERATURES IAW 8260.19I.
11. CHANGE NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." TO "RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 8260.19I
12. REMOVED CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 210 KIAS. - NO LONGER REQUIRED.
13. ADDED NOTE CIRCLING RWY 20 NA AT NIGHT. - RWY 20 HAS 20:1 PENETRATIONS.
14. FAS OBST CHANGED FROM "230 AAO 592721N/1393342W." TO "290 AAO 592705N/1393311W." - NEW CONTROLLING OBSTACLE IDENTIFIED.
15. ALTERNATE MINS CHANGED FROM "STANDARD - CAT D 800-2 1/4" TO "STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2" - 8260.3E.
16. LPV DA MINS CHANGED FROM DA/HAT OF 287/261 TO 317/285. - NEW SURVEY, NEW CONTROLLING OBSTACLE.
17. LNAV/VNAV DA MINS CHANGED FROM DA/HAT OF 484/458 AND VIS OF 1 1/8 SM TO 409/377 AND VIS OF 1SM. - NEW SURVEY, NEW CONTROLLING OBSTACLE.
18. LNAV MDA MINS CHANGED FROM MDA/HAT OF 480/454 TO 540/508. - NEW SURVEY, NEW CONTROLLING OBSTACLE.
19. CIRCLING MINS CHANGED FROM CAT A MDA/HAA FROM 500/467 TO 540/500, CAT B MDA/HAA FROM 520/487 TO 540/500, CAT C MDA/VIS/HAA FROM 620/1 1/2/587 TO 820/2 1/4/780 AND CAT D MDA/VIS/HAA FROM 720/2 1/4/687 TO 820/2 1/2/780 - NEW SURVEY, NEW CONTROLLING OBSTACLES, AND AIRPORT ELEVATION CHANGE.
20. CRC REMAINDER CHANGED FROM DC8233C9 TO 859D182E. - FPAP COORDS CHANGED.
21. ADDED NOTE WHEN YAKUTAT ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. - NO BACK-UP ALTIMETER.
22. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 DIRECT CIMUF AND HOLD" TO "CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 DIRECT CIMUF AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000" - CLIMB-IN-HOLD EVALUATION REQUIRED.
23. DIST TO THLD FROM 261 HATH: 0.65 NM CHANGED TO DIST TO THLD FROM 285 HAT: 0.73 - UPDATED EVALUATION, DOCUMENTATION AND LOCATION CHANGED FROM ADDITIONAL FLIGHT DATA TO LINE 5 IAW 8260.19I
24. ADDED 20:1 IS CLEAR ON PROFILE LINE 7 - 8260.19I, 20:1 IS CLEAR OF PENS.
25. INOP NOTE CHANGED FROM MALSR TO ALS AND "INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILES; LNAV CATS C AND D VISIBILITY TO 1 3/8 MILES." TO "INCREASE LNAV CAT C AND D VISIBILITY TO 1 3/8 SM." - 8260.19I 8-6-11.O.(3).(D)
26. REMOVED NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT" - VGSI AND PROCEDURE ARE NOW COINCIDENT.
27. ADDED NOTE CHART ANCHORAGE CENTER FREQUENCY. - 8260.19I 8-2-4.B.(1).
28. FAS DATA LTP/FTP LATS AND LONGS CHANGED FROM "592947.2700N/1393806.7900W" TO "592947.3795N/1393806.9865W" - NEW SURVEY.
29. LTP/FTP ELLIPSOID HEIGHT CHANGED FROM +00133 TO +00158 - NEW SURVEY.
30. FPAP LAT/LONG CHANGED FROM "593050.1325N/1394010.3835W" TO "593050.2360N/1394010.5825W" - NEW SURVEY.
31. ADDED ADDITIONAL FLIGHT DATA CHART VDP AT 1.43 NM TO RW29. - 20:1 CLEAR, VDP NOW PUBLISHABLE.
32. TERMINAL ROUTES ADDED FAF TO MAP SEGMENTS - IAW 8260.19I.
33. LINE 3 FAC CHANGED FROM 295.13 TO 295.12 AND DIST FAF TO MAP/THLD CHANGED FROM 4.78 TO 4.76 - FAF/PFAF RELOCATED.
34. CHANGED NOTE FROM INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B TO INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS, LNAV CATS A AND B. - LNAV/VNAV DA LOWERED AND 8260.3E TABLE 3-3-6 REFERENCE NO FULL PARALLEL TAXIWAY.
35. ADDITIONAL FLIGHT DATA ENTRY LTP HAE CHANGED FROM 13.3 TO 15.8 - REVISED AIRNAV DATA.
36. CHANGES FROM P-NOTAMS FOR AMDT 4A & AMDT 4B INCORPORATED INTO FORM - REQUIRED IAW 8260.19I PARA 8-3-4C(3).

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, JNU FSS, AMGR

FLIGHT CHECKED BY**OFFICE****DATE**

DEVELOPED BY
TYLER MITCHELL

Digitally signed by
TYLER D MITCHELL
May 02, 2022

OFFICE
AJV-A432

DATE
03/10/2022

APPROVED BY
LONNIE EVERHART

Digitally signed by
CASIMIR L TABAKA
May 11, 2022

OFFICE
AJV-A430

DATE

TITLE
MANAGER

QUALITY
29
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAYA
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	592947.3795N
LTP/FTP LONGITUDE	1393806.9865W
LTP/FTP ELLIPSOIDAL HEIGHT	+00158
FPAP LATITUDE	593050.2360N
FPAP LONGITUDE	1394010.5825W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0392
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	859D182E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00101
FPAP ORTHOMETRIC HEIGHT	+00101



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

<u>AIRPORT ID</u> PAYA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 5	<u>CITY</u> YAKUTAT	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 40	<u>FACILITY</u> RNAV
---------------------------	--	----------------------	------------------------	--------------------	--------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
115/30 CW 285/30

TO
115/11 CW 285/11

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
												AAO	592557.00N/1383824.00W	5844	164	98	4E	2000					7900
												TERRAIN	592557.00N/1383824.00W	5643 (5600)								AS1500	7100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
115/11 CW 285/11

TO
CIMUF

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
												AAO	593206.00N/1391018.00W	1569	164	98	4E	2000					3600
												TERRAIN	593236.00N/1391954.00W	252 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



STRAIGHT-IN AREA

FROM
285/30 CW 025/30

TO
CIMUF

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	591736.00N/1390500.00W		322	164	98	4E	2000				AT178	2500
TERRAIN	590701.63N/1392018.25W		0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM
025/30 CW 115/30

TO
DEDYA

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (02-000746)	593313.57N/1394336.97W		377	20	10	1B	2000				AT123	2500
TERRAIN	593227.00N/1394636.00W		65 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM
DEDYA

TO
CIMUF

RNP	DISTANCE 6.70	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	592203.00N/1392236.00W		210	164	98	4E	1000				AT1290	2500
TERRAIN	592154.00N/1392212.00W		9 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
CIMUF (IF/IAF)

TO
JOTWI

RNP	DISTANCE 6.35	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	592654.00N/1393048.00W		220	164	98	4E	500				AC98 AT782	1600
TERRAIN	592654.00N/1393036.00W		19 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM
JOTWI

TO
RW29

<u>RNP</u>	<u>DISTANCE</u> 4.76	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 285			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-229268)	592930.21N/1393721.25W		116	20	3	1A		34:1			MA35	317

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM
JOTWI

TO
RW29

<u>RNP</u>	<u>DISTANCE</u> 4.76	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 377			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-230489)	592901.95N/1393653.25W		135	20	3	1A		23.65:1				409

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



FINAL: LNAV

FROM
JOTWI

TO
RW29

RNP	DISTANCE 4.76	PAT	MAP RW29	HAT 508			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	592705.06N/1393310.76W		290	50	20	2C	250					540

COMPUTATIONS

ALT
KIAS
KTAS
HAA
VKTW
TR
BA
DTA
COURSE CHANGE
DVEB
VEB OCS
RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

APPLIED 2C AC PER AGT TGTS-171.
HOLD-IN-LIEU OF PT

FROM
CIMUF

TO
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	592503.00N/1392954.00W		214	164	98	4E	1000					1300
TERRAIN	592503.00N/1392954.00W		13 (0)								AS1500	1500

COMPUTATIONS

ALT
KIAS
KTAS
HAA
VKTW
TR
BA
DTA
COURSE CHANGE
DVEB
VEB OCS
RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LPV

FROM
DA

TO
CIMUF

RNP	DISTANCE	PAT	MAP	HAT			HMAS 114					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (02-229268)	592930.21N/1393721.25W		116	20	3	1A		ASC				3000
AAO	592705.06N/1393310.76W		290	50	20	2C	1000					1300
TERRAIN	593300.00N/1394330.00W		98 (100)								AS1500	1600

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
--------------	-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:
APPLIED 2C AC PER AGT TGTS-171.
MISSED APPROACH : LNAV/VNAV

FROM
DA

TO
CIMUF

RNP	DISTANCE	PAT	MAP	HAT			HMAS 248					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	592705.06N/1393310.76W		290	50	20	2C	1000					1300
TERRAIN	593300.00N/1394330.00W		98 (100)								AS1500	1600

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
--------------	-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:
APPLIED 2C AC PER AGT TGTS-171.



MISSED APPROACH : LNAV

FROM

RW29

TO

CIMUF

RNP	DISTANCE	PAT	MAP	HAT			HMAS 440					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	592705.06N/1393310.76W		290	50	20	2C	1000					1300
TERRAIN	593300.00N/1394330.00W		98 (100)								AS1500	1600

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:

APPLIED 2C AC PER AGT TGTS-171.

CIRCLING ☐ ALL CATS ☒ CAT A ☒ CAT B ☒ CAT C ☒ CAT D ☐ CAT E ☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
DOME (02-230081)	593008.60N/1394130.74W	1.30	500	209	20	3	1A	300		SI	540
CATEGORY B											
TREE (02-226677)	593150.48N/1394206.13W	1.81	500	222	20	3	1A	300			540
CATEGORY C											
TOWER (02-020293)	593223.10N/1394415.70W	2.84	780	269	500	250	5F	300		AC250	820
CATEGORY D											
TOWER (02-000746)	593313.57N/1394336.97W	3.70	780	377	20	10	1B	300			820

CIRCLING REMARKS:



CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

110 FEET AVERAGE VEGETATION HEIGHT USED PER FPT

SHIP HEIGHT WITHIN MONTI BAY LOCATED 3 NM NORTHWEST OF RWY 11 THLD BASED ON THE LARGEST SHIP AMHS KENNICOTT 100 FEET. SHIP HEIGHT WITHIN 1 NM FROM RWY 2 THLD 75 FEET PER WESTERN FPT/U.S COAST GUARD. SHIP HEIGHT BEYOND 1 NM FROM LAND APPLIED 200 FEET FROM PREVIOUS IAP AMENDMENTS.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
JNU FSS, ZAN ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> PAYA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PAYA	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 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>

WX REMARKS:
NO BACK-UP ALTIMETER AVAILABLE WITHIN 75 NM.

<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>
RW02 - HIRL (PCL), REIL (PCL), PAPI-4R (PCL)		NPI-G	
RW20 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	
RW11 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)		PIR-F	APPROACH
RW29 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL), TAXI WAY (PCL)		PIR-G	ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 33.1	<u>TCH</u> 52.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 50.6
---------------------------------	-----------------------------------	--------------------	------------------------	--------------------------	---------------------------	--------------------

FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -16C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -16C	<u>APT ISA</u> +14.92C
-----------------------------	------------------------------	--------------------	---------------------------

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 3-YEAR HISTORY (2019-2021).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 956 HIGH TEMP 1260.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 20		
20:1			
42 NAVAID (02-230651) 593034.25N/1393935.96W (4.34)		49 BUILDING (02-227477) 593035.87N/1393934.78W (3.37)	
49 BUILDING (02-227039) 593035.85N/1393934.74W (3.37)		49 BUILDING (02-227037) 593035.80N/1393934.64W (3.37)	
40 NAVAID (02-228475) 593032.15N/1393931.84W (2.36)			
Final Type	LPV, LNAV/VNAV, LNAV		
34:1			
114 TREE (02-226731) 592932.03N/1393722.90W (7.04)		73 TREE (02-226616) 592936.33N/1393752.20W (6.57)	
98 TREE (02-229473) 592935.00N/1393729.84W (4.77)		116 TREE (02-229268) 592930.21N/1393721.25W (3.43)	
114 TREE (02-227669) 592931.16N/1393721.04W (3.21)		107 TREE (02-226203) 592932.22N/1393725.36W (3.09)	
110 TREE (02-226735) 592931.79N/1393722.53W (2.14)		113 TREE (02-227203) 592928.53N/1393725.57W (1.51)	
73 TREE (02-226287) 592934.34N/1393751.35W (1.45)		64 TREE (02-257833) 592936.88N/1393753.66W (0.3)	
62 TREE (02-230065) 592937.30N/1393754.49W (0.08)			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PER 8260.3E TABLE 3-3-6 MINIMUM VISIBILITY 1 SM DUE TO NO PARALLEL TAXIWAY.

CRITICAL TEMPERATURE BASED ON 3-YEAR STUDY DUE TO 2018 BEING INCOMPLETE.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> PAYA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 5	<u>CITY</u> YAKUTAT	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 40	<u>FACILITY</u> 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	2.87
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	315.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	0
DISTANCE FROM	THLD	TO 1500FT POINT	4.56
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	315.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	0

THRESHOLD
COORDINATES
(IF STR-IN)

592947.38N/1393806.99W

ARP COORDINATES

593011.96N/1393936.97W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 29 DISTANCE 0.87 NM

FAF
COORDINATES

592625.80N/1393131.91W

FIX NAME
COORDINATES

IF/IAF CIMUF: 592156.15N/1392246.57W, IF DEDYA: 591713.54N/1393203.21W

REMARKS

30NM TAA.
NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
29
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 11 of 12

PART E: PREPARED BY

<u>NAME</u> TYLER MITCHELL	<u>OFFICE</u> AJV-A432	<u>DATE</u> 03/10/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
-------------------------------	---------------------------	---------------------------	---

