

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> NOATAK	<u>AIRPORT ID</u> PAWN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> NOATAK	<u>STATE</u> AK	
<u>AIRPORT ELEVATION</u> 92	<u>TDZE</u> 92	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
HIBLA	IAF	WEDET	NOPT	TF	FB	1.00	275.51	7.09	4000
WEDET	IF/IAF	JENTO		TF	FB	1.00	191.27	7.00	1800
JENTO	FAF	RW19	MAP	TF	FO	0.30	191.16	5.24	
RW19	MAP	1700 MSL		CA			191.16		1700
1700 MSL		WEDET		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LP: RW19
 LNAV: RW19

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 DIRECT WEDET AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD N WEDET, RT, 191.27 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 191.16 **FAF:** JENTO **DIST FAF TO MAP:** 5.24 **DIST FAF TO THLD:** 5.24
4. **MIN ALT:** WEDET 4000, JENTO 1800
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
6. **MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:**
8. **MSA FROM:** RW19 4800



PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT.

CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

JENTO TO RW19: 3.00/40.0

CHART CIRCLING ICON.

WAAS CHANNEL #86842

REFERENCE PATH ID: W19A

FAS OBST: 275 AAO 673746N/1625532W, 300 AAO 673816N/1625521W.

LTP HAE: 29.3 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 800-2 1/4

<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>
LP MDA	540	1	448	540	1	448	540	1 3/8	448	540	1 3/8	448			
LNAV MDA	560	1	468	560	1	468	560	1 3/8	468	560	3/8	468			
CIRCLING	560	1	468	560	1	468	560	1 1/2	468	820	2 1/4	728			

CHANGES - REASONS

08/20/2018: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/29/2018.

1. TERMINAL ROUTE HIBLA TO WEDET COURSE/DISTANCE/ALTITUDE CHANGED FROM 275.49/7.10/2700 TO 275.51/7.09/4000.

2. TERMINAL ROUTE WEDET TO JENTO COURSE AND DISTANCE CHANGED FROM 191.25/6.00 TO 191.27/7.00.

3. TERMINAL ROUTE RW19 TO 600 MSL CHANGED TO RW19 TO 1700 MSL; MINIMUM ALTITUDE CHANGED FROM 600 TO 1700.

4. TERMINAL ROUTE 600 MSL TO WEDET CHANGED TO 1700 MSL TO WEDET; MINIMUM ALTITUDE CHANGED FROM 2700 TO 4000.

5. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2700..." TO "CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000..."

6. LINE 2, "...2700 FT. IN LIEU OF PT (IF/IAF), MAX 4000." CHANGED TO "...4000 FT. IN LIEU OF PT (IF/IAF), MAX 6000."

7. LINE 4, "WEDET 2700" CHANGED TO "WEDET 4000."

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER:

FLIGHT CHECKED BY

DANIEL EDWARD STRICKER

Digitally signed by
DONALD H LANIER
Aug 22, 2018

OFFICE

FIOG

DATE

08/02/2018

DEVELOPED BY

COLTON CROWDER

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COLTON CROWDER
Aug 21, 2018

OFFICE

AJV-5431

DATE

05/29/2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
DONALD H LANIER
Aug 22, 2018

OFFICE

AJV-5430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAWN
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	673358.4410N
LTP/FTP LONGITUDE	1625830.2100W
LTP/FTP ELLIPSOIDAL HEIGHT	+00293
FPAP LATITUDE	673236.1730N
FPAP LONGITUDE	1625957.4835W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 CRC REMAINDER	 44C2550A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00279
FPAP ORTHOMETRIC HEIGHT	+00279



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

<u>AIRPORT</u> NOATAK	<u>AIRPORT ID</u> PAWN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>AMDT NO.</u> ORIG	<u>CITY</u> NOATAK	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 92	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM HIBLA TO WEDET

<u>RNP</u>	<u>DISTANCE</u> 7.09	<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>
1.AAO	674442.00N/1623142.00W		417				1000				AT2583	4000
2.TERRAIN	674442.00N/1623142.00W		217 (200)								AS1500	1700

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:

INTERMEDIATE

FROM WEDET (IF/IAF) TO JENTO

<u>RNP</u>	<u>DISTANCE</u> 7.00	<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>
3.AAO	674551.00N/1625148.00W		456				500				AC86 DG758	1800
4.TERRAIN	674257.00N/1625348.00W		174 (200)								AS1500	1700

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:



TO
RW19

HMAS

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

FINAL: LNAV

TO
RW19

HMAS

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

[illegible]

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
					433

[illegible][illegible]

MISSED APPROACH : LNAV

FROM

RW19

TO

WEDET

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							453				
<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>
							ASC				4000
9.AAO	672357.00N/1622836.00W	1044				1000					2100
10.TERRAIN	672357.00N/1622836.00W	844 (800)								AS1500	2300

COMPUTATIONS

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

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											
11.TOWER (02-020245)	673417.23N/1625817.20W	1.30	468	187	20	3	1A	300		SI	560
CATEGORY B											
11.TOWER (02-020245)	673417.23N/1625817.20W	1.81	468	187	20	3	1A	300		SI	560
CATEGORY C											
12.TREE	673406.07N/1630441.18W	2.84	468	200	50	20	2C	300		SI	560
CATEGORY D											
13.AAO	673715.00N/1630248.00W	3.71	728	466	250	50	4D	300		AC50	820

CIRCLING REMARKS:



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CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LP/LNAV		
20:1			
187 TOWER (02-020245) 673417.23N/1625817.20W (7.42)			
Final Type	LP/LNAV		
34:1			
156 ANTENNA (02-082358) 673418.39N/1625817.35W (9.50)		129 ANTENNA (02-057702) 673411.18N/1625822.93W (4.87)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

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

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FOR CONTINGENCY PURPOSES ONLY:
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KOTZEBUE ALTIMETER SETTING AND INCREASE ALL MDA 120 FT; INCREASE LP CAT C AND D VISIBILITY 1/4 SM, LNAV CAT C AND D 3/8 SM, CIRCLING CAT D 1/2 SM.

VISUAL PORTION OF FINAL APPROACH EVALUATED IAW AFS-400 MEMORANDUM DATED 11/04/2014.

20 FT TREE HEIGHT USED PER FPT.
SEE ATTACHED AIRSPACE LETTER.
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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	2.91
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	202.16
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	4.57
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.98
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	202.16
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD
COORDINATES
(IF STR-IN) 673358.44N/1625830.21W

ARP COORDINATES 673340.20N/1625849.50W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 19 DISTANCE 0.33 NM

FAF
COORDINATES 673848.58N/1625320.96W

FIX NAME
COORDINATES

REMARKS



<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>
NOATAK	PAWN	RNAV (GPS) RWY 19	ORIG	NOATAK	AK	92	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
COLTON CROWDER	AJV-5431	05/29/2018	AERONAUTICAL INFORMATION SPECIALIST

