

**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> PIPESTONE MUNI	<u>AIRPORT ID</u> KPQN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> PIPESTONE	<u>STATE</u> MN	
<u>AIRPORT ELEVATION</u> 1737	<u>TDZE</u> 1734	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 04/28/2016	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2015
<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>
ASTOE		HEVBA		TF	FO	1.00	157.92	42.71	3500
FSD VORTAC	IAF	HEVBA	NOPT	TF	FB	1.00	063.88	21.94	3400
OTG VOR/DME	IAF	HEVBA	NOPT	TF	FB	1.00	282.50	33.14	3400
CATID	IAF	HEVBA	NOPT	TF	FB	1.00	342.98	23.73	3400
HEVBA	IF/IAF	CEPKA		TF	FB	1.00	000.66	6.19	3300
CEPKA	FAF	WATKU/1.80 NM TO RW36		TF	FB	0.30	000.66	3.01	
WATKU/1.80 NM TO RW36		RW36	MAP	TF	FO	0.30	000.66	1.80	
RW36	MAP	1934 MSL		CA			000.66		
1934 MSL		SAKNE		DF	FO	1.00			3800

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3800 DIRECT SAKNE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S HEVBA, RT, 000.66 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 000.66FAF: CEPKADIST FAF TO MAP: 4.81DIST FAF TO THLD: 4.81

4. MIN ALT: HEVBA 3400, CEPKA 3300, WATKU/1.80 NM TO RW36 2340*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.50GS ANT:

6. MIN GP INCPT: 3300GP ALT AT FAF : CEPKA 3300OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW36 3900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 9 AND 27.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FSD VORTAC AIRWAY RADIALS 340 CW 110.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OTG VOR/DME AIRWAY RADIALS 195 CW 263.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 180.68 INBOUND.
CHART FAS OBST: 1817 TREE 435716N/0961825W.
CHART VDP AT 1.01 NM TO RW36*
*LNAV ONLY.
WAAS CHANNEL # 69332
REFERENCE PATH ID: W36A
LTP HAE: 500.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	1934	1	200	1934	1	200	1934	1	200		NA				
LNAV/VNAV DA	1984	1	250	1984	1	250	1984	1	250		NA				
LNAV MDA	2080	1	346	2080	1	346	2080	1	346		NA				
CIRCLING	2200	1	463	2200	1	463	2280	1 1/2	543		NA				



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAMS FOR AMDT 1A AND 1 B - REQUIRED IAW 8260.19H PARA 8-3-4C(3).
2. REMOVED CHART NOTE: PROCEDURE NA FOR ARRIVALS AT ASTOE ON V26 WESTBOUND - HON VORMON DECOMM.
3. UPDATED CHART PROFILE NOTE: FROM VGSI AND RNAV GLIDEPATH NOT COINCIDENT TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - IAW 8260.19H PARA 8-6-9M(1).
4. UPDATED RNP VALUES FROM 2.00 TO 1.00 FROM ASTOE TO HEVBA, AND 0.50 TO 1.00 FROM HEVBA TO CEPKA - IAW 8260.58A TABLE 1-2-1.
5. CHANGED 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 -18°C OR ABOVE 54°C - IAW 8260.19H, 8-6-9, S.
6. REMOVED BACK UP ALTIMETER CHART NOTES AND ADDED TO BACK OF -9 - IAW 8260.19H 8-6-9.
7. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H, 8-6-8B(1).
8. ADDED MAX HOLDING 6000 AT HEVBA TO PROFILE LINE 2 - HOLDING PATTERN MIN/MAX 3300-6000 IAW 8260.3D TABLE 17-3-1.
9. ADDED 20:1 IS CLEAR TO PROFILE LINE 7 - IAW 8260.19H PARA 8-6-7G(3).
10. REMOVED ADDITIONAL FLIGHT DATA NOTE: DISTANCE TO THLD FROM 200 HAT: 0.50 NM - DATA IS ENTERED IN PROFILE LINE 5.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZMP, CEN FPT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

WARDELL HENNING (RICHARD CHRISTENSEN)

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

May 11, 2020

Digitally signed by

WARDELL HENNING

May 11, 2020

OFFICE

OFFICE

OFFICE

AJV-A430

Digitally signed by

WARDELL HENNING

May 11, 2020

DATE

DATE

02/11/2020

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPQN
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	435830.4200N
LTP/FTP LONGITUDE	0961802.2630W
LTP/FTP ELLIPSOIDAL HEIGHT	+05006
FPAP LATITUDE	435959.3400N
FPAP LONGITUDE	0961754.3600W
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	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	368FB462

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05266
FPAP ORTHOMETRIC HEIGHT	+05266



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
PIESTONE MUNI	KPQN	RNAV (GPS) RWY 36	1C	PIESTONE	MN	1737	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
ASTOE

TO
HEVBA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	42.71											
<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.WINDMILL (46-020242)	443030.24N/0963533.72W		2398	500	50	5D	1000					3400
2.TERRAIN	442712.00N/0963227.00W		1995 (2000)								AS1500	3500

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
FSD VORTAC

TO
HEVBA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	21.94											
<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.TOWER (27-020835)	434703.43N/0961958.89W		2006	500	50	5D	1000				AT394	3400
4.TERRAIN	434803.00N/0962003.00W		1752 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
OTG VOR/DME

TO
HEVBA

RNP	DISTANCE 33.14	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (27-000001)	433748.00N/0954043.00W		2307	500	50	5D	1000				AT93	3400
6.TERRAIN	434711.90N/0961625.80W		1800 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
CATID

TO
HEVBA

RNP	DISTANCE 23.73	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (27-020835)	434703.43N/0961958.89W		2006	500	50	5D	1000				AT394	3400
6.TERRAIN	434711.90N/0961625.80W		1800 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
HEVBA (IF/IAF)

TO
CEPKA

RNP	DISTANCE 6.19	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (27-020835)	434703.43N/0961958.89W		2006	500	50	5D	500					2600
7.TERRAIN	435127.00N/0961745.89W		1795 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
CEPKA

TO
RW36

RNP	DISTANCE 4.81	PAT	MAP DA	HAT 200			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				1934

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

CEPKA

TO

RW36

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.81		DA		250							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
8.THLD	435830.42N/0961802.26W		1728	20	3	1A	250					1984

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

CEPKA

TO

WATKU/1.80 NM TO RW36

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.01											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.AAO	435357.46N/0961744.19W		1999	50	20	2C	250				RA80 DG11	2340

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM
WATKU/1.80 NM TO RW36

TO
RW36

<u>RNP</u>	<u>DISTANCE</u> 1.80	<u>PAT</u>	<u>MAP</u> RW36	<u>HAT</u> 346			<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>
10.TREE (27-039434)	435715.80N/0961824.58W		1817	20	3	1A	250					2080

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM
HEVBA

TO
P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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>
11.TOWER (27-000877)	434821.30N/0961222.99W	2204	500	50	5D	1000				AT196	3400
6.TERRAIN	434711.90N/0961625.80W	1800 (1800)								AS1500	3300

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
SAKNE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1763					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3800
12.TOWER (27-002046)	440211.00N/0961627.00W		2091	50	20	2C	1000					3100
13.TERRAIN	441003.00N/0961427.00W		1841 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM
DA

TO
SAKNE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1828					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3800
12.TOWER (27-002046)	440211.00N/0961627.00W		2091	50	20	2C	1000					3100
13.TERRAIN	441003.00N/0961427.00W		1841 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

RW36

TO

SAKNE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1980					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3800
12.TOWER (27-002046)	440211.00N/0961627.00W		2091	50	20	2C	1000					3100
13.TERRAIN	441003.00N/0961427.00W		1841 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

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											
14.TOWER (27-024466)	435936.35N/0961839.51W	1.30	463	1883	20	3	1A	300			2200
CATEGORY B											
14.TOWER (27-024466)	435936.35N/0961839.51W	1.50	463	1883	20	3	1A	300			2200
CATEGORY C											
15.TOWER (27-001307)	435715.00N/0961629.00W	1.70	543	1925	250	50	4D	300		AC50	2280

CIRCLING REMARKS:



MSA

CENTER

RW36

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (27-001466)	435352.00N/0955651.00W	104	16.0	2828	500	50	5D	1000			3900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZMP ARTCC, PNM FSS

<u>WX SERVICE</u> AWOS	<u>LOCATION</u> KPQN	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KPQN	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS	<u>LOCATION</u> KDVP	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KDVP	<u>DISTANCE</u> 22.37	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 68

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KPQN 1737, KDVP 1623
RA = 67.6.

<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>
RW18 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	
RW36 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	
RW09		NSTD-F	
RW27		NSTD-F	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 1727.8	<u>TCH</u> 40.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 30.2
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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> -18C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -18C	<u>APT ISA</u> +11.56C
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CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 839 HIGH TEMP 1192.

"VISUAL PORTION OF FINAL" PENETRATIONS



AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
PIPESTONE MUNI	KPQN	RNAV (GPS) RWY 36	1C	PIPESTONE	MN	1737	RNAV

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.

60 FT VEGETATION USED.

TAA NOT DEVELOPED PER FPT.

CONTINGENCY NOTES:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SLAYTON ALTIMETER SETTING: INCREASE LPV DA TO 2002 FEET AND LNAV/VNAV DA TO 2052 FEET; INCREASE ALL MDA 80 FEET AND LNAV CAT C AND CIRCLING CAT C VISIBILITIES 1/4 SM.

BARO-VNAV AND VDP NA WHEN USING SLAYTON ALTIMETER SETTING.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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

Electronic Version

Page 10 of 12

<u>AIRPORT</u> PIESTONE MUNI	<u>AIRPORT ID</u> KPQN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> 1C	<u>CITY</u> PIESTONE	<u>STATE</u> MN	<u>AIRPORT ELEVATION</u> 1737	<u>FACILITY</u> RNAV
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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	3.24
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	003.66
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1800
DISTANCE FROM	THLD	TO 1500FT POINT	4.81
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	003.66
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1800

THRESHOLD
COORDINATES
(IF STR-IN)

435830.42N/0961802.26W

ARP COORDINATES

435855.67N/0961801.47W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 36 DISTANCE 0.42 NM

FAF
COORDINATES

435342.32N/0961827.81W

FIX NAME
COORDINATES

REMARKS

QUALITY
24
CHECKED

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Page 11 of 12

<u>AIRPORT</u> PIPESTONE MUNI	<u>AIRPORT ID</u> KPQN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> 1C	<u>CITY</u> PIPESTONE	<u>STATE</u> MN	<u>AIRPORT ELEVATION</u> 1737	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> WARDELL HENNING (RICHARD CHRISTENSEN)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 02/11/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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QUALITY
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Page 12 of 12