

**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> KMDH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18L	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> CARBONDALE/MURPHYSBORO	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 411	<u>TDZE</u> 407	<u>SUPERSEDED</u> RNAV (GPS) RWY 18L	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 04/08/2010	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 092/30 CW 272/30	NOPT	HEMPA	IF/IAF	2700
2. 272/30 CW 002/30		FOGBO	IAF	2700
3. 002/30 CW 092/30		ELUME	IAF	2700

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ELUME	IAF	HEMPA	NOPT	TF	FB	1.00	092.15	5.00	2700
FOGBO	IAF	HEMPA	NOPT	TF	FB	1.00	272.28	5.00	2700
HEMPA	IF/IAF	JOROB		TF	FB	1.00	182.22	6.02	2100
JOROB	FAF	RW18L	MAP	TF	FO	0.30	182.22	5.08	
RW18L	MAP	800 MSL		CA			182.22		
800 MSL		SOPAW		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LNAV/VNAV: DA

LNAV: RW18L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT SOPAW AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
18
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N HEMPA, RT, 182.22 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 182.22FAF: JOROBDIST FAF TO MAP: 5.08DIST FAF TO THLD: 5.08

4. MIN ALT: HEMPA 2700, JOROB 2100

5. DIST TO THLD FROM OM:MM:IM:150 HAT:397 HAT: 1.07GS ANT:

6. MIN GP INCPT: 2100GP ALT AT FAF : JOROB 2100OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 54.7

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 6, 36L NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD S, LT, 002.22 INBOUND.
CHART FAS OBST: 550 TREE 374944N/0891430W.
CHART VDP AT 1.05 NM TO RW18L*
*LNAV ONLY.

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, 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
LNAV/VNAV DA	804	5/8	397	804	5/8	397	804	5/8	397	804	5/8	397			
LNAV MDA	800	1/2	393	800	1/2	393	800	5/8	393	800	5/8	393			
CIRCLING	900	1	489	920	1	509	1180	2 1/4	769	1180	2 1/2	769			



CHANGES - REASONS

1. RAISED LNAV/VNAV DA/HAT ALL CATS FROM 726/319 TO 804/397, LNAV MDA/HAT ALL CATS FROM 740/333 TO 800/393 - NEW OBSTACLE EVALUATION.
2. RAISED LNAV/VNAV CATS A/B/C VISIBILITY FROM 1/2 SM TO 5/8 SM, LOWERED CAT D FROM 3/4 SM TO 5/8 SM, RAISED LNAV VISIBILITY CAT C FROM 1/2 SM TO 5/8 SM, LOWERED CAT D FROM 1 SM TO 5/8 SM - NEW OBSTACLE EVALUATION WITH UPDATED VIS CHECK PER 8260.3D TABLE 3-3-1.
3. RAISED CIRCLING CAT B MDA/HAA FROM 900/489 TO 920/509, CAT C MDA/HAA FROM 900/489 TO 1180/769, CAT D MDA/HAA FROM 980/569 TO 1180/769 - NEW CIRCLING CRITERIA ADDED WITH NEW OBSTACLE EVALUATION.
4. RAISED CIRCLING CAT C VISIBILITY FROM 1 1/2 TO 2 1/4, CAT D VISIBILITY FROM 2 TO 2 1/2 - NEW CIRCLING CRITERIA ADDED WITH UPDATED OBSTACLE EVALUATION AND VIS CHECK PER 8260.3D TABLE 3-3-7.
5. CHANGED ALTERNATE MINIMA FROM STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE TO STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE - CAT C/D VISIBILITIES HIGHER THAN STANDARD 800-2 IAW 8260.3D TABLE 3-4-1.
6. CHANGED CHART FAS OBST FROM 477 TREE 374701N/0891505W TO 550 TREE 374944N/0891430W - NEW OBSTACLE EVALUATION.
7. ADDED CHART NOTE: CIRCLING RWY 6, 36L NA AT NIGHT - 20:1 VISUAL PENETRATIONS EXIST IN OBSTACLE EVALUATION FOR RWY 6 AND 36L.
8. CHANGED ADDITIONAL FLIGHT DATA: FROM CHART VDP AT 0.88 TO RW18L TO CHART VDP AT 1.05 TO RW18L - LNAV MDA RAISED FROM 740 TO 800.
9. REMOVED BACK UP ALTIMETER NOTES AND MOVED TO BACK OF -9 AS CONTINGENCY NOTES - IAW 8260.19H 8-6-9F(3).
10. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H, 8-6-8B(1).
11. REMOVED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT D - UPDATED VIS CHECK PER 8260.3D TABLE 3-3-1.
12. UPDATED CHART NOTE: FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 48°C (118°F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C - (F) VALUES NO LONGER DOCUMENTED IAW 8260.19H PARA 8-6-9S.
13. ADDED 20:1 IS CLEAR TO LINE 7 - NEW 8260-3 FORM/20:1 PENETRATIONS DID NOT EXIST PREVIOUSLY.
14. REMOVED ADDITIONAL FLIGHT DATA NOTE DISTANCE TO THLD FROM 319 HAT: 0.84NM AND ADDED DISTANCE TO THLD FROM 397 HAT: 1.07 NM TO PROFILE LINE 5 - NEW CONTROLLING OBSTACLE RAISED DA/HAT FROM 726/319 TO 804/397 AND NEW -3 FORM.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZKC, AMGR, MDH ATCT

FLIGHT CHECKED BY

PATRICK MURRAY

OFFICE

FICO

Digitally signed by

WARDELL HENNING

DATE

02/06/2021

DEVELOPED BY

WARDELL HENNING (RICHARD CHRISTENSEN)

Digitally signed by

WARDELL HENNING

Nov 03, 2020

OFFICE

AJV-A432

DATE

04/30/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

Nov 03, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER



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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KMDH	RNAV (GPS) RWY 18L	ORIG-A	CARBONDALE/MURPHYSBORO	IL	411	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
092/30 CW 272/30

TO
HEMPA

<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>
1.TOWER (17-000209)	380612.00N/0891440.00W	1389	50	50	2D	1000				AT311	2700
2.TERRAIN	375857.00N/0895221.00W	663 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM
272/30 CW 002/30

TO
FOGBO

<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>
3.TOWER (17-000329)	373650.00N/0885220.00W	1638	500	50	5D	1000				AT62	2700
4.TERRAIN	373318.00N/0890218.00W	863 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM
002/30 CW 092/30

TO
ELUME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (17-000333)	373328.00N/0892059.00W		1200	100	20	3C	1000				AT500	2700
6.TERRAIN	373339.00N/0892115.00W		926 (900)								AS1500	2400

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

SEGMENT REMARKS:

INITIAL

FROM
ELUME

TO
HEMPA

<u>RNP</u>	<u>DISTANCE</u> 5.00	<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>
7.TOWER (17-000322)	375905.00N/0891405.00W		847	20	50	1D	1000				AT853	2700
8.TERRAIN	375842.00N/0891706.00W		466 (500)								AS1500	2000

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

SEGMENT REMARKS:



INITIAL

FROM

FOGBO

TO

HEMPA

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (17-000322)	375905.00N/0891405.00W		847	20	50	1D	1000				AT853	2700
9.TERRAIN	375933.00N/0891636.00W		463 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

HEMPA (IF/IAF)

TO

JOROB

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.02											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (17-000322)	375905.00N/0891405.00W		847	20	50	1D	500				AT753	2100
10.TERRAIN	375827.00N/0891709.00W		463 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

JOROB

TO

RW18L

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.08		DA		397							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
11.TREE (17-033913)	374817.07N/0891447.08W		504	50	20	2C		23.04:1				804

COMPUTATIONS

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

FINAL: LNAV

FROM

JOROB

TO

RW18L

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.08		RW18L		393							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12.TREE (17-033914)	374943.96N/0891430.00W		550	50	20	2C	250					800

COMPUTATIONS

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



HOLD-IN-LIEU OF PT

FROM
HEMPA

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
1.TOWER (17-000209)	380612.00N/0891440.00W		1389	50	50	2D	1000				AT311	2700
13.TERRAIN	380736.00N/0891451.00W		525 (500)								AS1500	2000

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
SOPAW

RNP	DISTANCE	PAT	MAP	HAT			HMAS 643					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2700
14.AAO	373412.00N/0891606.00W		1014	50	20	2C	1000					2100
15.TERRAIN	373554.00N/0891339.00W		741 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

RW18L

TO

SOPAW

RNP	DISTANCE	PAT	MAP	HAT			HMAS 700					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2700
14.AAO	373412.00N/0891606.00W		1014	50	20	2C	1000					2100
15.TERRAIN	373554.00N/0891339.00W		741 (700)								AS1500	2200

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											
16.TOWER (17-000627)	374516.00N/0891622.00W	1.30	489	550	250	50	4D	300		AC50	900
CATEGORY B											
17.TOWER (17-024251)	374501.75N/0891713.92W	1.82	509	604	20	3	1A	300			920
CATEGORY C											
18.TOWER (17-000321)	374330.66N/0891525.50W	2.86	769	866	20	3	1A	300			1180
CATEGORY D											
18.TOWER (17-000321)	374330.66N/0891525.50W	3.73	769	866	20	3	1A	300			1180

CIRCLING REMARKS:



CENTER	RADIUS
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MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZKC ARTCC, MDH TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KMDH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KMDH	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS	<u>LOCATION</u> KMWA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KMWA	<u>DISTANCE</u> 11.546	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 36

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KMDH 411, KMWA 472
RA = 35.1.

<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>
RW06 - MIRL (PCL), REIL, VASI-4L (PCL)		BSC-G	
RW18R - MIRL, PVASI-PSIL		BSC-G	
RW24 - MIRL (PCL), REIL, PAPI-4R (PCL)		BSC-G	
RW36L - MIRL, PVASI-PSIL		BSC-G	
RW36R - HIRL (PCL), REIL, PAPI-4L (PCL)		NPI-G	
RW18L - MALSR (PCL), HIRL (PCL)		PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 404.1	<u>TCH</u> 54.7	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
<u>FINAL APPROACH COURSE AIMING</u>						
RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE			
ON CENTERLINE	☒	FT FROM CENTERLINE				
<u>CRITICAL TEMPERATURES</u>						
<u>CRITICAL LOW</u> -15C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -15C	<u>APT ISA</u> -14.19C			

CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 973 HIGH TEMP 1267.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 36L		
20:1			
411 TERRAIN (17-033944) 374610.49N/0891533.01W (0.93)			
Final Type	CIRCLING RWY 6		
20:1			
488 TREE (17-040587) 374630.73N/0891540.97W (51.75)		478 TREE (17-046835) 374627.95N/0891541.00W (34.75)	
491 TREE (17-046924) 374628.72N/0891546.54W (30.27)		487 TREE (17-046923) 374627.89N/0891545.31W (28.52)	
463 TREE (17-040585) 374629.79N/0891540.02W (27.74)		489 TREE (17-056800) 374628.87N/0891547.18W (26.4)	
493 TREE (17-043573) 374628.45N/0891548.29W (25.48)		486 TREE (17-040637) 374624.10N/0891545.02W (19.14)	
481 TREE (17-046925) 374623.91N/0891543.52W (18.92)		476 TREE (17-056686) 374626.90N/0891544.69W (17.24)	
451 TREE (17-045794) 374628.28N/0891538.95W (15.74)		487 TREE (17-044839) 374627.21N/0891548.57W (15.43)	
463 TREE (17-040630) 374628.19N/0891542.62W (14.68)		473 TREE (17-033714) 374627.43N/0891545.20W (13.77)	
467 TREE (17-046269) 374626.16N/0891542.68W (13.44)		471 TREE (17-040633) 374625.55N/0891544.08W (11.03)	
464 TREE (17-042578) 374625.02N/0891542.11W (9.61)		479 TREE (17-040638) 374625.47N/0891547.19W (7.94)	
477 TREE (17-040613) 374628.17N/0891549.83W (3.4)		472 TREE (17-056688) 374623.94N/0891545.69W (2.4)	
477 TREE (17-044840) 374625.77N/0891548.69W (1.44)		474 TREE (17-040539) 374623.40N/0891546.31W (0.9)	
465 TREE (17-046270) 374625.70N/0891545.52W (0.36)			

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.

100 FT VEGETATION HEIGHT USED PER FPT.

LPV MINIMUMS NOT DEVELOPED DUE TO FLIGHT CHECK REPORT.

CONTINGENCY NOTES:

USE WILLIAMSON CO RGNL ALTIMETER SETTING: INCREASE ALL DA TO 840 FEET AND VISIBILITY ALL CATS TO 3/4 SM; INCREASE ALL MDA 40 FEET AND LNAV CAT C/D VISIBILITY 1/8 SM.
BARO-VNAV AND VDP NA WHEN USING WILLIAMSON CO RGNL ALTIMETER SETTING.

ORDER 8260.3, 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	2.95
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	181.22
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	4.68
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	181.22
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	400

THRESHOLD
COORDINATES
(IF STR-IN)374718.87N/0891452.56W

ARP COORDINATES374641.10N/0891507.30W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 18L DISTANCE 0.66 NM

FAF
COORDINATES375224.09N/0891444.37W

FIX NAME
COORDINATESIF/IAF HEMPA: 375825.48N/0891434.64W, IAF ELUME: 375831.70N/0892053.97W, IAF FOGBO: 375818.92N/0890815.33W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

TAA STRAIGHT-IN

092/30 CW 272/30 TO HEMPA

TAA LEFTBASE

272/30 CW 002/30 TO FOGBO

TAA RIGHTBASE

002/30 CW 092/30 TO ELUME



PART E: PREPARED BY

<u>NAME</u> WARDELL HENNING (RICHARD CHRISTENSEN)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 04/30/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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