

**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> 119	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> DELPHI	<u>STATE</u> IN		
<u>AIRPORT ELEVATION</u> 671	<u>TDZE</u> 671	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> CONCURRENT WITH 20-AGL-31	<u>CANCEL/SUSPEND</u>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 095/30 CW 275/30	NOPT	MOOMO	IF/IAF	3000
2. 275/30 CW 095/30		MOOMO	IF/IAF	3000

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MOOMO	IF/IAF	NAPWE		TF	FB	1.00	184.52	6.00	2300
NAPWE	FAF	RW18	MAP	TF	FO	0.30	184.53	5.02	
RW18	MAP	1071 MSL		CA			184.53		
1071 MSL		OCUPA		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LNAV: RW18

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT OCUPA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT            **SIDE OF COURSE**                            **OUTBOUND**                            **FT WITHIN**                            **MILES OF**                            (IAF)
- 2. HOLD N MOOMO, RT, 184.52 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 184.53                            **FAF:** NAPWE                            **DIST FAF TO MAP:** 5.02                            **DIST FAF TO THLD:** 5.02
- 4. **MIN ALT:** MOOMO 3000, NAPWE 2300
- 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:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 CHART NOTE: USE MONTICELLO ALTIMETER SETTING.  
 CHART NOTE: STRAIGHT-IN RWY 18 AT NIGHT, CIRCLING RWY 18 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

**ADDITIONAL FLIGHT DATA:**

CHART WHITE COUNTY AWOS-3P.  
 HOLD S, RT, 004.53 INBOUND.  
 CHART FAS OBST: 874 ANTENNA (18-056495) 403415N/0864054W.  
 NAPWE TO RW18: 3.00/30.

**MINIMUMS:**

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

**ALTERNATE:** NA

CATEGORY:	A			B			C			D			E		
	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 MDA	1160	1	489	1160	1	489		NA			NA				
CIRCLING	1160	1	489	1220	1	549		NA			NA				

**CHANGES - REASONS**

VFR TO IFR AIRPORT, ORIGINAL PROCEDURE.



**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: ZAU, AMGR

**FLIGHT CHECKED BY**

**OFFICE**

**DATE**

**DEVELOPED BY**

RICHARD CHRISTENSEN

*Digitally signed by*

**RICHARD E CHRISTENSEN**

Nov 30, 2022

**OFFICE**

AJV-A431

**DATE**

09/13/2022

**APPROVED BY**

JOHNNIE BAKER

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER

*Digitally signed by*

**ERIC N SUSKI**

Dec 16, 2022



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

<u>AIRPORT ID</u> 119	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>AMDT NO.</u> ORIG	<u>CITY</u> DELPHI	<u>STATE</u> IN	<u>AIRPORT ELEVATION</u> 671	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

**FROM** 095/30 CW 275/30 **TO** MOOMO

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

<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>
TOWER (18-000392)	410808.99N/0861448.98W	1380	500	50	5D	1000				AT620	3000
TERRAIN	410242.00N/0861148.00W	889 (900)								AS1500	2400

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**STRAIGHT-IN AREA**

**FROM** 275/30 CW 095/30 **TO** MOOMO

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

<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>
TOWER (18-000459)	402321.00N/0863650.00W	1557	500	50	5D	1000				AT443	3000
TERRAIN	401712.00N/0862421.00W	921 (900)								AS1500	2400

**COMPUTATIONS**

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

**SEGMENT REMARKS:**









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119

PROCEDURE NAME  
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671

FACILITY  
RNAV

**PART B: SUPPLEMENTAL DATA**

COMMUNICATIONS WITH  
ZAU ARTCC

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> KMCX	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KMCX	<u>DISTANCE</u> 10.99	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 27
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<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KLAFL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KLAFL	<u>DISTANCE</u> 14.01	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 42
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WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
K119 671.1, KMCX 678.5  
RA = 26.1

RASS PRESSURE PATTERNS THE SAME  
K119 671.1, KLAFL 605.9  
RA = 41.4

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW18 - MIRL (PCL), REIL (PCL), PAPI-2L	BSC-G	
RW36 - MIRL (PCL), REIL (PCL), PAPI-2L	BSC-G	

<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> 3.00	<u>TCH</u> 26.3
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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>	<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	LNAV RWY18		
20:1			
686 TRAVERSE WAY (18-056563) 403249.84N/0864055.65W (9.16)		685 TRAVERSE WAY (18-056553) 403249.85N/0864051.51W (8.24)	
685 TRAVERSE WAY (18-056620) 403249.86N/0864052.41W (8.16)		685 TRAVERSE WAY (18-056638) 403249.85N/0864054.61W (8.14)	
685 TRAVERSE WAY (18-056617) 403249.86N/0864053.64W (8.12)		677 SIGN (18-056662) 403249.43N/0864055.53W (2.24)	

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

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

**PENETRATIONS REMARKS:**

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**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - 20:1 PENETRATIONS, REMOTE PRIMARY ALTIMETER.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

**CONTINGENCY NOTES:**

WHEN WHITE COUNTY ALTIMETER SETTING NOT RECEIVED, USE LAFAYETTE ALTIMETER SETTING AND INCREASE ALL MDAS 20 FT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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**PART D: AIRSPACE**

**DOCKET # 20-AGL-31**

**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	3.02
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	179.53
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	THLD	TO 1500FT POINT	4.82
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	179.53
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	700

**THRESHOLD  
COORDINATES  
(IF STR-IN)** 403246.68N/0864053.49W

**ARP COORDINATES** 403226.92N/0864053.28W

**RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP** RUNWAY 36 DISTANCE 0.33 NM

**FAF  
COORDINATES** 403748.36N/0864056.77W

**FIX NAME  
COORDINATES**

**REMARKS**



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RNAV

**PART E: PREPARED BY**

**NAME**  
RICHARD CHRISTENSEN

**OFFICE**  
AJV-A431

**DATE**  
09/13/2022

**TITLE**  
AERONAUTICAL INFORMATION SPECIALIST

