

**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><b>AIRPORT ID</b></u> KGIF	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 11	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-C	<u><b>CITY</b></u> WINTER HAVEN	<u><b>STATE</b></u> FL		
<u><b>AIRPORT ELEVATION</b></u> 146	<u><b>TDZE</b></u> 145	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 11	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-B	<u><b>DATED</b></u> 09/09/2021	<u><b>MAG VAR</b></u> 4W	<u><b>EPOCH YEAR</b></u> 2000
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
1. 017/30 CW 197/30	NOPT	017/20 CW 197/20		2600
2. 017/20 CW 197/20		HOVOM	IF/IAF	1900
3. 197/30 CW 287/30		197/9 CW 287/9		2100
4. 197/9 CW 287/9		NURIY	IAF	1900
5. 287/30 CW 017/30		287/9 CW 017/9		2600
6. 287/9 CW 017/9		RIYDO	IAF	1900

**TERMINAL ROUTES**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
NURIY	IAF	HOVOM	NOPT	TF	FB	1.00	197.07	5.00	1900
RIYDO	IAF	HOVOM	NOPT	TF	FB	1.00	017.05	5.00	1900
HOVOM	IF/IAF	JOSIR		TF	FB	1.00	107.06	6.10	1800
JOSIR	FAF	OVIKE/2.50 NM TO RW11		TF	FB	0.30	107.12	2.49	
OVIKE/2.50 NM TO RW11		RW11	MAP	TF	FO	0.30	107.12	2.50	
RW11	MAP	395 MSL		CA			107.12		
395 MSL		RAVYO		DF	FO	1.00			2600



**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW11

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2600 DIRECT RAVYO AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD W HOVOM, RT, 107.06 INBOUND, 1900 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	107.12	FAF: JOSIR	DIST FAF TO MAP: 4.99		DIST FAF TO THLD: 4.99
4. MIN ALT: HOVOM 1900, JOSIR 1800, OVIKE/2.50 NM TO RW11 980					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.64	GS ANT:
6. MIN GP INCPT:	1800	GP ALT AT PFAF :	JOSIR 1800	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR
8. MSA FROM:					

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: BARO-VNAV NA WHEN USING BARTOW ALTIMETER SETTING.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3°C OR ABOVE 54°C.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BARTOW ALTIMETER SETTING AND INCREASE LPV DA TO 415 FEET; INCREASE LNAV/VNAV DA TO 667 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 20 FEET.  
CHART NOTE: STRAIGHT-IN RWY 11 NA AT NIGHT, CIRCLING RWY 5, 11, 29 NA AT NIGHT

**ADDITIONAL FLIGHT DATA:**

HOLD E, RT, 287.26 INBOUND.  
CHART FAS OBST: 457 TOWER (12-000526) 280352N/0814756W.  
WAAS CHANNEL # 86502  
REFERENCE PATH ID: W11A  
LTP HAE: 16.9 M



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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4, 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	395	1	250	395	1	250	395	1	250	395	1	250			
LNAV/VNAV DA	647	1 3/8	502	647	1 3/8	502	647	1 3/8	502	647	1 3/8	502			
LNAV MDA	760	1	615	760	1	615	760	1 3/4	615	760	1 3/4	615			
CIRCLING	760	1	614	760	1	614	820	2	674	960	2 3/4	814			

CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM 145 TO 146 - UPDATED AIRPORT DATA.
2. PROFILE LINE 4: UPDATED OVIKE/2.50 NM TO RW11 ALT FROM 980\* TO 980 - ASTERISK NO LONGER REQUIRED.
3. PROFILE LINE 5: UPDATED 250 HAT FROM 0.65 TO 0.64 - UPDATED EVALUATION.
4. NOTES: UPDATED FROM "STRAIGHT-IN AND CIRCLING RWY 11 NA AT NIGHT" TO "STRAIGHT-IN RWY 11 NA AT NIGHT, CIRCLING RWY 5, 11, 29 NA AT NIGHT" - 20:1 PENETRATIONS IDENTIFIED.
5. NOTES: UPDATED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BARTOW ALTIMETER SETTING AND INCREASE ALL DA/MDAS 20 FEET" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BARTOW ALTIMETER SETTING AND INCREASE LPV DA TO 415 FEET; INCREASE LNAV/VNAV DA TO 667 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 20 FEET" - UPDATED VIS PER 8260.3 TABLE 3-3-1 AND CHARTING CRITERIA.
6. NOTES: UPDATED CHART NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3°C OR ABOVE 54°C" - UPDATED 5 YR WEATHER STUDY.
7. ADDITIONAL FLIGHT DATA: DELETED \*LNAV ONLY - NO LONGER REQUIRED.
8. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "457 TOWER 280352N/0814756W" TO "457 TOWER (12-000526) 280352N/0814756W" - UPDATED DOCUMENTATION CRITERIA.
9. MINIMUMS: LNAV/VNAV: UPDATED VISIBILITY ALL CATS FROM 1 3/4 TO 1 3/8 - IAW 8260.3 TABLE 3-3-1.
10. MINIMUMS: CIRCLING HAA VALUES UPDATED FROM "CAT A/B 615, CAT C 675, CAT D 815" TO "CAT A/B 614, CAT C 674, CAT D 814" - UPDATED AIRPORT ELEVATION.
11. FAS DATA: UPDATED LTP/FTP LAT/LONG FROM "280348.8960N 0814537.8485W" TO "280348.8975N 0814537.8465W" - UPDATED EVALUATION.
12. FAS DATA: UPDATED FPAP LAT/LONG FROM "280328.5500N 0814359.7800W" TO "280328.5560N 0814359.7785W"
13. FAS DATA: CRC REMAINDER CHANGED FROM "828B4113" TO "641259E0" - LTP/FTP AND FPAP DATA CHANGED.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZJX, TPA APP CON, AIRPORT MGR

FLIGHT CHECKED BY

KEVIN RIESE

DEVELOPED BY

PATRICK COMBS

APPROVED BY

MARLON ROBINSON

Digitally signed by  
JASON KRETSCHMER  
Sep 16, 2022

OFFICE  
FPO

DATE  
09/14/2022

Digitally signed by  
JASON KRETSCHMER  
Aug 05, 2022

OFFICE  
AJV-A421

DATE  
07/26/2022

Digitally signed by  
JASON KRETSCHMER  
Aug 05, 2022

OFFICE  
AJV-A420

DATE

TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGIF
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	280348.8975N
LTP/FTP LONGITUDE	0814537.8465W
LTP/FTP ELLIPSOIDAL HEIGHT	+00169
FPAP LATITUDE	280328.5560N
FPAP LONGITUDE	0814359.7785W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	641259E0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00436
FPAP ORTHOMETRIC HEIGHT	+00436



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

<u>AIRPORT ID</u> KGIF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> WINTER HAVEN	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 146	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
017/30 CW 197/30

TO  
017/20 CW 197/20

<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>
												TOWER (12-004235)	275051.46N/0821549.39W	1648	500	50	5D	1000				XP-48	2600
												TERRAIN	282539.00N/0821554.00W	299 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP-48: TO MAINTAIN CURRENT MIN ALT. PREVIOUS OBST # 10-4235 UPDATED.

STRAIGHT-IN AREA

FROM  
017/20 CW 197/20

TO  
HOVOM

<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>
												TOWER (12-002037)	281237.40N/0820257.47W	726	20	3	1A	1000				AT174	1900
												TERRAIN	280518.00N/0815851.00W	270 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PREVIOUS OBST # 10-2037 UPDATED.



LEFT BASE AREA

FROM197/30 CW 287/30

TO197/9 CW 287/9

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-002269)	280736.00N/0813302.00W		1133	500	50	5D	1000				XP-33	2100
TERRAIN	283315.00N/0814306.00W		335 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP-33: TO MAINTAIN CURRENT MIN ALT. PREVIOUS OBST # 10-2269 UPDATED.

LEFT BASE AREA

FROM197/9 CW 287/9

TONURIY

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-002751)	280507.58N/0814912.24W		649	50	20	2C	1000				AT251	1900
TERRAIN	280351.00N/0815821.00W		240 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PREVIOUS OBST # 10-2751UPDATED.



RIGHT BASE AREA

FROM

287/30 CW 017/30

TO

287/9 CW 017/9

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-003283)	274024.00N/0820634.00W		1648	500	50	5D	1000				XP-48	2600
TERRAIN	275609.00N/0813439.00W		296 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP-48: TO MAINTAIN CURRENT MIN ALT. PREVIOUS OBST # 10-3283 UPDATED.

RIGHT BASE AREA

FROM

287/9 CW 017/9

TO

RIYDO

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-003145)	275628.60N/0815451.30W		829	50	20	2C	1000					1900
TERRAIN	275803.00N/0815515.00W		270 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PREVIOUS OBST # 10-3145 UPDATED.



INITIAL

FROM

NURIY

TO

HOVOM

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-003231)	280909.00N/0815248.00W		639	500	50	5D	1000				AT261	1900
TERRAIN	280518.00N/0815851.00W		270 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PREVIOUS OBST # 10-3231 UPDATED.

INITIAL

FROM

RIYDO

TO

HOVOM

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-002439)	280300.00N/0815632.00W		579	100	20	3C	1000				AT321	1900
TERRAIN	280515.00N/0815851.00W		270 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PREVIOUS OBST # 10-1472 UPDATED.





INTERMEDIATE

FROM

HOVOM (IF/IAF)

TO

JOSIR

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.10											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-002439)	280300.00N/0815632.00W		579	100	20	3C	500				AT721	1800
TERRAIN	280742.00N/0815645.00W		213 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PREVIOUS OBST # 10-1472 UPDATED.

FINAL: LPV

FROM

JOSIR

TO

RW11

<u>RNP</u>	<u>DISTANCE</u> 4.99	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 250			<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 (12-168252)	280348.27N/0814551.49W		196	20	3	1A		33.55:1				395

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

JOSIR

TO

RW11

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.99		DA		502							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (12-168032)	280321.23N/0814620.61W		241	20	3	1A	161				XP245	647

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP245: TO MAINTAIN CURRENT MINIMUMS.

FINAL: LNAV

FROM

JOSIR

TO

OVIKE/2.50 NM TO RW11

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	2.49											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-002751)	280507.58N/0814912.24W		649	50	20	2C	250				RA20 DG61	980

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PREVIOUS OBST # 10-2751 UPDATED.



FINAL: LNAV STEPDOWN

FROM  
OVIKE/2.50 NM TO RW11

TO  
RW11

RNP	DISTANCE 2.50	PAT	MAP RW11	HAT 615	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-000526)	280352.00N/0814756.00W		457	250	50	4D	250				AC50	760

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:  
PREVIOUS OBST # 10-0526 UPDATED.  
HOLD-IN-LIEU OF PT

FROM  
HOVOM

TO  
P-4

RNP	DISTANCE	PAT P-4	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-001127)	280447.00N/0820226.00W		628	500	125	5E	1000				AT272	1900
TERRAIN	280518.00N/0815851.00W		270 (300)								AS1500	1800

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:  
PREVIOUS OBST # 10-1127 UPDATED.



MISSED APPROACH : LPV

FROM

DA

TO

RAVYO

RNP	DISTANCE	PAT	MAP	HAT			HMAS 206					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2600
TOWER (12-003986)	280035.00N/0813557.00W		654	500	50	5D	1000					1700
TERRAIN	280248.00N/0813648.00W		246 (200)								AS1500	1700

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

PREVIOUS OBST # 10-3986 UPDATED.

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

RAVYO

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
486												
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2600
TOWER (12-003986)	280035.00N/0813557.00W		654	500	50	5D	1000					1700
TERRAIN	280248.00N/0813648.00W		246 (200)								AS1500	1700

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

PREVIOUS OBST # 10-3986 UPDATED.



MISSED APPROACH : LNAV

FROM

RW11

TO

RAVYO

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							660				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2600
TOWER (12-003986)	280035.00N/0813557.00W	654	500	50	5D	1000					1700
TERRAIN	280248.00N/0813648.00W	246 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PREVIOUS OBST # 10-3986 UPDATED.

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											
TOWER (12-027876)	280247.65N/0814637.63W	1.30	614	353	250	50	4D	300		SI	760
CATEGORY B											
TOWER (12-124020)	280227.33N/0814658.46W	1.81	614	408	50	20	2C	300		SI	760
CATEGORY C											
TOWER (12-000526)	280352.00N/0814756.00W	2.84	674	457	250	50	4D	300		AC50	820
CATEGORY D											
TOWER (12-002751)	280507.58N/0814912.24W	3.71	814	649	50	20	2C	300			960

CIRCLING REMARKS:



<b>CENTER</b>	<b>RADIUS</b>
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REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
TPA APP CON, PIE FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KGIF	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KGIF	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KBOW	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KBOW	<u>DISTANCE</u> 7.35	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 20

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KGIF 146, KBOW 125  
RA = 19.2.

<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>
RW29 - MIRL (PCL), REIL (PCL)		BSC-G	
RW05 - MIRL (PCL), REIL, PAPI-2L (PCL)		NPI-G	
RW11 - MIRL (PCL), REIL (PCL)		NPI-G	
RW23 - MIRL (PCL), REIL, PAPI-2L (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 143	<u>TCH</u> 45.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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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> +3C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> +3C	<u>APT ISA</u> +14.71C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 4-YEAR HISTORY (2018-2021).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 970 HIGH TEMP 1262.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 11		
20:1			
196 TREE (12-168252) 280348.27N/0814551.49W (4.21)			
Final Type	CIRCLING RWY 29		
20:1			
182 TREE (12-168191) 280335.43N/0814446.03W (9.43)		147 FENCE (12-167914) 280337.22N/0814451.71W (1.26)	
Final Type	CIRCLING RWY 5		
20:1			
186 TREE (12-168359) 280325.72N/0814531.29W (27.35)		185 TREE (12-168097) 280328.06N/0814534.01W (26.09)	
157 TREE (12-168314) 280329.97N/0814532.43W (9.91)		173 TREE (12-167961) 280326.69N/0814534.35W (8.12)	
163 TREE (12-167693) 280327.48N/0814533.13W (4.8)		172 TREE (12-168022) 280323.92N/0814533.42W (0.17)	
Final Type	LPV, LNAV/VNAV, LNAV		
20:1			
196 TREE (12-168252) 280348.27N/0814551.49W (4.21)			
Final Type	LPV, LNAV/VNAV, LNAV		
34:1			
170 POLE (12-027546) 280353.94N/0814547.07W (5.81)		189 SPIRE (12-168280) 280355.27N/0814554.43W (5.02)	
184 POLE (12-168028) 280354.44N/0814553.33W (3.41)		181 POLE (12-167706) 280351.63N/0814553.19W (2.67)	
181 POLE (12-167890) 280352.75N/0814553.26W (1.73)		178 POLE (12-167766) 280354.67N/0814552.18W (0.2)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

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

PENETRATIONS REMARKS:





**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KGIF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> WINTER HAVEN	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 146	<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	3.18
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.70
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	103.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	4.79
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	103.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	200

THRESHOLD  
COORDINATES  
(IF STR-IN)

280348.90N/0814537.85W

ARP COORDINATES

280346.51N/0814511.93W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 23 DISTANCE 0.47 NM

FAF  
COORDINATES

280457.12N/0815107.37W

FIX NAME  
COORDINATES

IAF RIYDO: 280127.20N/0815907.05W, IAF NURIY: 281113.26N/0815633.73W, IF/IAF HOVOM: 280620.24N/0815750.45W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY  
22  
CHECKED

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

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> PATRICK COMBS	<u>OFFICE</u> AJV-A421	<u>DATE</u> 07/26/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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