

**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.

<b><u>AIRPORT</u></b> MOUNT CARMEL MUNI	<b><u>AIRPORT ID</u></b> KAJG	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 22	<b><u>ORIGINAL/AMENDMENT</u></b> ORIG-A	<b><u>CITY</u></b> MOUNT CARMEL	<b><u>STATE</u></b> IL
<b><u>AIRPORT ELEVATION</u></b> 429	<b><u>TDZE</u></b> 429	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 22	<b><u>ORIGINAL/AMENDMENT</u></b> ORIG	<b><u>DATED</u></b> 04/08/2010	<b><u>MAG VAR</u></b> 2W
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 15 AUGUST 2019	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL/SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 2000

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
LISLE	IAF	RUOFF	NOPT	TF	FB	1.00	210.08	20.88	2500
RUOFF	IF/IAF	HEGSI		TF	FB	1.00	222.86	6.10	2100
HEGSI	FAF	ZALRA/2.60 NM TO RW22		TF	FB	0.30	222.80	2.45	
ZALRA/2.60 NM TO RW22		RW22	MAP	TF	FO	0.30	222.80	2.60	
RW22	MAP	679 MSL		CA			222.80		
679 MSL		SURDY		DF	FO	1.00			2500

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW22

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2500 DIRECT SURDY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE RUOFF, RT, 222.86 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 222.80FAF: HEGSIDIST FAF TO MAP: 5.05DIST FAF TO THLD: 5.05

4. MIN ALT: RUOFF 2500, HEGSI 2100, ZALRA/2.60 NM TO RW22 1300\*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.65GS ANT:

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

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW22 2500

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LISLE ON V221 EASTBOUND AND V7 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 1.28 NM TO RW22\*  
\*LNAV ONLY  
WAAS CHANNEL #53317  
REFERENCE PATH ID: W22A  
CHART FAS OBST: 609 TREE 383821N/0874227W.  
709 AAO 384024N/0873838W.  
HOLD SW, RT, 042.65 INBOUND  
LTP HAE: 99.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	679	1	250	679	1	250	679	1	250		NA				
LNAV/VNAV DA	888	1 3/4	459	888	1 3/4	459	888	1 3/4	459		NA				
LNAV MDA	860	1	431	860	1	431	860	1 1/4	431		NA				
CIRCLING	980	1	551	980	1	551	980	1 1/2	551		NA				



CHANGES - REASONS

1. TERMINAL ROUTES: INTERMEDIATE SURDY TO POLNE RNP UPDATED FROM 0.50 TO 1.00. - IAW 8260.19H PARA 4-6-10 F.
2. TERMINAL ROUTES: MISSED APPROACH CA LEG COURSE ADDED. - IAW 8260.19H.
3. LINE 2: HOLD-IN-LIEU MAX ALTITUDE 6000 ADDED. - IAW 8260.19H PARA 8-6-7 B(2).
4. LINE 5: DISTANCE TO THLD FROM 250 HAT: 0.66 NM UPDATED TO 0.65 NM. - VERIFIED WITH TARGETS BUILD.
5. LINE 7: 20:1 IS CLEAR ADDED. - NO 20:1 PENETRATIONS PRESENT.
6. CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 22 PROCEDURE NA AT NIGHT REMOVED. - NO 20:1 PENETRATIONS EXIST.
7. CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 4 NA AT NIGHT REMOVED. - NO 20:1 PENETRATIONS EXIST ON RWY 4.
8. CHART NOTE: DME/DME RNP-0.3 NA REMOVED. PBN REQUIREMENTS NOTE: RNP APCH ADDED. - IAW 8260.19H.
9. CHART NOTE: BARO-VNAV NA WHEN USING LAWRENCEVILLE ALTIMETER SETTING REMOVED. - ALL REFERENCES TO SECONDARY ALTIMETER HAVE BEEN REMOVED.
10. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F) UPDATED TO -15C TO 54C. - FAHRENHEIT REMOVED IAW 8260.19H.
11. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT UPDATED TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - IAW 8260.19H 8-6-9 M (2).
12. CHART NOTE: ALTERNATE ALTIMETER NOTE REMOVED. - MOVED TO 8260-9 PART C REMARKS IAW 8260.19H 8-6-9 F(4).
13. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 579 TREE 383729N/0874304W REMOVED. - IAW 8260-19H 8-6-10 C.
14. ADDITIONAL FLIGHT DATA: CHART VDP AT 1.28 NM TO RW22\* ADDED. - NO 20:1 PENETRATIONS PRESENT.
15. NA WHEN LOCAL WEATHER NOT AVAILABLE REMOVED. - ALL REFERENCES TO SECONDARY ALTIMETER HAVE BEEN REMOVED.
16. FAS DATA: LTP/FTP ELLIPSOIDAL HEIGHT UPDATED FROM +00991 TO +00992; LTP/FPAP ORTHOMETRIC HEIGHT UPDATED FROM +01305 TO +01306. - NEW AIRNAV DATA.
17. FAS DATA: CRC REMAINDER UPDATED FROM D23DAD69 TO 72D954CC. - UPDATED LTP/FTP ELLIPSOIDAL HEIGHT AND LTP/FPAP ORTHOMETRIC HEIGHT.
18. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LISLE VIA V221 EASTBOUND AND V7 NORTHBOUND UPDATED TO "... ON V221 EASTBOUND AND V7 NORTHBOUND." - VIA NO LONGER USED.
19. CHARTED CIRCLING ICON - NEW CIRCLING APPLIED IAW 8260.3D PARA 2-7-1

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

ZID ARTCC, EVV APP CON, IL DOT, AIRPORT MGR

FLIGHT CHECKED BY

GLEN B FREEMAN

DEVELOPED BY

WARDELL HENNING (BARBARA GORMAN)

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

DONALD H LANIER

Jun 17, 2019

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DONALD H LANIER

Jun 17, 2019

OFFICE

FICO

OFFICE

AJV-A432

OFFICE

AJV-A430

DATE

6/13/19

DATE

02/27/2019

DATE

TITLE

MANAGER



**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAJG
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	383637.2480N
LTP/FTP LONGITUDE	0874314.7465W
LTP/FTP ELLIPSOIDAL HEIGHT	+00992
FPAP LATITUDE	383529.6900N
FPAP LONGITUDE	0874428.9500W
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	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	72D954CC

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01306
FPAP ORTHOMETRIC HEIGHT	+01306

