

**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> WAYNE MUNI/ STAN MORRIS FLD	<u>AIRPORT ID</u> KLCG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> WAYNE	<u>STATE</u> NE
<u>AIRPORT ELEVATION</u> 1432	<u>TDZE</u> 1430	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 02/05/2015	<u>MAG VAR</u> 6E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MAY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1990

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HURLI		DOYPA		TF	FB	1.00	186.25	10.58	3400
PENDE		FAXAK		TF	FB	1.00	040.44	8.49	3600
DOYPA	IAF	CAGAL	NOPT	TF	FB	1.00	138.11	6.00	3200
FAXAK	IAF	CAGAL	NOPT	TF	FB	1.00	318.21	5.50	3200
CAGAL	IF/IAF	BUCAG		TF	FB	1.00	228.16	6.07	3100
BUCAG	FAF	RW23	MAP	TF	FO	0.30	228.11	5.13	
RW23	MAP	1832 MSL		CA			228.11		
1832 MSL		CEKAC		DF	FO	1.00			3400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3400 DIRECT CEKAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NE CAGAL, RT, 228.16 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 8000.
- 3. **FAC:** 228.11 **FAF:** BUCAG **DIST FAF TO MAP:** 5.13 **DIST FAF TO THLD:** 5.13
- 4. **MIN ALT:** CAGAL 3200, BUCAG 3100
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **436 HAT:** 1.25 **GS ANT:**
- 6. **MIN GP INCPT:** 3100 **GP ALT AT FAF :** BUCAG 3100 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 40.0
- 8. **MSA FROM:** RW23 3800

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 13 AND 31.
 CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.48 NM TO RW23*
 *LNAV ONLY
 WAAS CHANNEL #82523
 REFERENCE PATH ID: W23A
 FAS OBST: 1680 AAO 421736N/0965430W.
 HOLD NE, RT, 228.13 INBOUND
 LTP HAE: 409.8 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		
	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	1866	1 1/2	436	1866	1 1/2	436		NA			NA				
LNAV/VNAV DA	1869	1 1/2	439	1869	1 1/2	439		NA			NA				
LNAV MDA	1940	1	510	1940	1	510		NA			NA				
CIRCLING	2000	1	568	2000	1	568		NA			NA				



CHANGES - REASONS

REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" - 8260.19H 8-6-8N.
 ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE - 8260.19H 8-6-8B(1).
 AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C (-2°F) OR ABOVE 54°C (130°F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - 8260-19H 8-6-9S.
 REMOVED "CHART NOTE: BARO-VNAV NA WHEN USING NORFOLK RGNL/KARL STEFAN MEMORIAL FLD ALTIMETER SETTING" AND "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORFOLK RGNL/KARL STEFAN MEMORIAL FLD ALTIMETER SETTING AND INCREASE ALL DA 79 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS VISIBILITY AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE" - MOVED TO -9 FOR CONTINGENCY PURPOSES.
 REMOVED NOTES "CHART NOTE: STRAIGHT-IN/CIRCLING RWY 23 PROCEDURE NA AT NIGHT" AND "CHART NOTE: CIRCLING RWY 5 NA AT NIGHT" - NO LONGER NEEDED AS 20:1 VISUAL SURFACE IS CLEAR.
 REMOVED TERMINAL ROUTE FEEDER SUX VORTAC TO CAGAL - VOR MON PROJECT TO DECOMMISSION SUX VORTAC.
 REMOVED NOTE "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SUX VORTAC VIA V100 EASTBOUND AND VIA V15 SOUTHEAST BOUND" - VOR MON PROJECT TO DECOMMISSION SUX VORTAC.
 INCORPORATED P-NOTAM 4/1725 - AMENDED PROCEDURE FROM THRE TO TDZE.
 ADDED "MAX 8000" TO PROFILE, LINE 2 - 8260.19H 8-6-7B(2).
 AMENDED "DISTANCE TO THLD FROM 436 HAT: 1.24" TO "DISTANCE TO THLD FROM 436 HAT: 1.25" AND RELOCATED PROFILE, LINE 5 - 8260.19H 8-6-7E(3).
 ADDED "20:1: IS CLEAR" TO PROFILE LINE 7 - 8260.19H 8-6-7 G(3).
 ADDED "CHART NOTE: CIRCLING NA TO RWYS 13 AND 31" - 8260.19H, 8-6-11, O(5)(E) AND NO RAPT APPROVAL FOR TURF RWYS.
 AMENDED NOTE FROM "CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA" TO "CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 8260.19H 8-6-11K(3).
 ADDED "CHART VDP AT 1.48 NM TO RWY23" AND "LNAV ONLY" TO ADDITIONAL FLIGHT DATA - 8260.19H 8-6-10N(2) AND (3).
 AMENDED ADDITIONAL FLIGHT DATA FROM "FAS OBST: 1699 AAO 421715N/0965508W" TO "FAS OBST: 1680 AAO 421736N/0965430W" - NEW LNAV OBSTACLE IDENTIFIED.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMP, SUX APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
 FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Mar 17, 2020

DEVELOPED BY

WARDELL HENNING (KELLY CARLSON)

Digitally signed by

OFFICE

AJV-A432

DATE

11/21/2019

Mar 17, 2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

Mar 17, 2020

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLCG
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	421434.8000N
LTP/FTP LONGITUDE	0965839.6295W
LTP/FTP ELLIPSOIDAL HEIGHT	+04098
FPAP LATITUDE	421342.4600N
FPAP LONGITUDE	0970016.7200W
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	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B52D7303

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04347
FPAP ORTHOMETRIC HEIGHT	+04347

