

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> EKM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ELKHART	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 778	<u>TDZE</u> 778	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 12/28/2023
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 JUNE 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 4W
				<u>EPOCH YEAR</u> 2005
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
VENTU		GECET		TF	FB	1.00	237.14	6.67	2600
GECET	IAF	FEDIV	NOPT	TF	FB	1.00	184.06	6.71	2500
DINYE	IAF	FEDIV	NOPT	TF	FB	1.00	004.04	6.72	2500
FEDIV	IF/IAF	COGNE		TF	FB	1.00	274.06	5.94	2300
COGNE	FAF	RW27	MAP	TF	FO	0.30	273.97	4.64	
RW27	MAP	1500 MSL		CA			273.97		1500
1500 MSL		JJANN		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT JJANN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E FEDIV, RT, 274.06 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC: 273.97 FAF: COGNE DIST FAF TO MAP: 4.64 DIST FAF TO THLD: 4.64
- MIN ALT: FEDIV 2500, COGNE 2300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 293 HAT: 0.78 GS ANT: IM:
- MIN GP INCPT: 2300 GP ALT AT PFAF: COGNE 2300 OM: MM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 45.5
- MSA FROM: RW27 3000



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SBN ALTIMETER SETTING.

CHART NOTE: CIRCLING NA TO RWYS 8 AND 26.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

CHART NOTE: CIRCLING RWY 36 NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE SBN ALTIMETER SETTING: INCREASE LPV DA TO 1105 FEET; INCREASE LNAV/VNAV DA TO 1255 FEET AND ALL VISIBILITIES TO RVR 5000; INCREASE ALL MDA 40 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5500 AND CIRCLING CAT D VISIBILITY 1/4 SM.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV CAT A/B VISIBILITY TO RVR 5500 AND CAT C/D TO 1 3/8 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING SBN ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CAT A/B TO RVR 5500.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 152.72 INBOUND.

FAS OBST: 988 AAO 414345N/0855448W.

CHART 1030 TOWER (18-020566) 414400N/0855311W.

CHART VDP AT 1.37 NM TO RW27.

WAAS CHANNEL # 50107

REFERENCE PATH ID: W27A

CHART CIRCLING ICON.

LTP HAE: 203.3 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 900-2 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
LPV DA	1071	4000	293	1071	4000	293	1071	4000	293	1071	4000	293			
LNAV/VNAV DA	1221	4500	443	1221	4500	443	1221	4500	443	1221	4500	443			
LNAV MDA	1260	4000	482	1260	4000	482	1260	5000	482	1260	5000	482			
CIRCLING	1260	1	482	1300	1	522	1380	1 3/4	602	1580	2 1/2	802			



AIRPORT ID EKM	PROCEDURE NAME RNAV (GPS) RWY 27	ORIGINAL/AMENDMENT 1	CITY ELKHART	STATE IN
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CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED GSH VORTAC FEEDER SEGMENT – PER FPT, GSH VOR MON.
2. TERMINAL ROUTES: CHANGED VENTU TO GECET SEGMENT COURSE FROM “227.08” TO “237.14”, DISTANCE FROM “7.82” TO 6.67” – GECET MOVED N 1.71 NM.
3. TERMINAL ROUTES: CHANGED GECET TO FEDIV SEGMENT DISATNCE FROM “5.00” TO “6.71” - GECET MOVED N 1.71 NM.
4. TERMINAL ROUTES: CHANGED DINYE TO FEDIV SEGMENT DISTANCE FROM “5.00” TO “6.72” – DINYE MOVED S 1.72 NM.
5. TERMINAL ROUTES: REPLACED SEGMENT “1071 TO CIGIP” WITH “1500 TO JJANN” – MA REDESIGNED PER FPT/ATC.
6. TERMINAL ROUTES: REMOVED SEGMENT “CIGIP TO JJANN” - TURN TO TERMINATION FIX GREATER THAN 90 DEGREES IAW 8260.3F.
7. TERMINAL ROUTES: CHANGED CA ALT FROM “1071 MSL” TO “1500 MSL” – MISSED APPROACH RE-DESIGNED PER FPT.
8. MISSED APPROACH: CHANGED FROM “CLIMB TO 4000 DIRECT CIGIP AND ON TRACK 027.07 TO JJANN AND HOLD” TO “CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT JJANN AND HOLD” – RE-DESIGNED PER FPT.
9. PROFILE LINE 3: CHANGED DIST FAF TO MAP/THLD FROM “4.58” TO “4.64” - FAF MOVED EAST 367.04 FEET.
10. PROFILE LINE 7: CHANGED TCH FROM “44.7” TO “45.5” – ALIGNED TO ILS GLIDE PATH.
11. NOTES: CHANGED ALL CHART NOTE REFERENCES OF “SOUTH BEND” TO “SBN” - IAW 8260.19J, 8-6-2(A).
12. NOTES: CHANGED “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH BEND ALTIMETER SETTING: INCREASE LPV DA TO 1111 FEET; INCREASE LNAV/VNAV DA TO 1261 FEET; INCREASE ALL MDA 40 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5500, CIRCLING CAT D VISIBILITY 1/4 SM” TO “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SBN ALTIMETER SETTING: INCREASE LPV DA TO 1105 FEET; INCREASE LNAV/VNAV DA TO 1255 FEET AND ALL VISIBILITIES TO RVR 5500; INCREASE ALL MDA 40 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5500 AND CIRCLING CAT D VISIBILITY 1/4 SM” – IAW VISIBILITY TABLE 3-3-1.
13. NOTES: REMOVED “LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM” FROM INOPERATIVE ALS NOTE – INOPERATIVE TABLE DOES APPLY.
14. NOTES: REMOVED “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GSH VORTAC AIRWAY RADIALS 092 CW 130” – SEGMENT REMOVED PER GSH VOR MON.
15. ADDITIONAL FLIGHT DATA: CHANGED “CHART FAS OBST: 956 TWR (18-002359) 414335N/0855650W” TO “FAS OBST: 988 AAO 414345N/0855448W” – NEW OBSTACLE EVALUATION.
16. ADDITIONAL FLIGHT DATA: ADDED “CHART 1030 TOWER (18-020566) 414400N/0855311W” – NEW 7:1 OBSTACLE EVALUATION.
17. MINIMUMS: LOWERED LNAV/VNAV VISIBILITY ALL CATS FROM “RVR 5000” TO “RVR 4500” – IAW NEW VISIBILITY TABLES.
18. FAS DATA: CHANGED FPAP LAT/LONGITUDE FROM “414315.2500N/ 0860109.8100W” TO “414315.1935N/ 0860143.0710W”, TCH FROM “44.7” TO 45.5” – FAF MOVED EAST 385.99 FEET/ALIGNED TO ILS GLIDEPATH.
19. FAS DATA: CHANGED TCH FROM “44.7” TO “45.5” – ALIGNED WITH ILS APPROACH.
20. CHANGED CRC REMAINDER FROM “2C10B3FC” TO “AC8A5DEE” – FPAP LAT/LONGITUDE AND TCH CHANGED.

05/01/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/14/2025.
ADDITIONAL FLIGHT DATA: CORRECTED CHART 0 TOWER (18-020566)... TO CHART 1030 TOWER (18-020566)...

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:ZAU ARTCC, SBN APP CON, EKM ATCT, AMGR.

FLIGHT CHECKED BY

	<i>Digitally signed by</i> CASIMIR L TABAKA Apr 14, 2025	OFFICE AJF	DATE 04/13/2025
MARC WEBBER			

DEVELOPED BY

	<i>Digitally signed by</i> CASIMIR L TABAKA Apr 14, 2025	OFFICE AJV-A432	DATE 10/22/2024
CASIMIR L. TABAKA (ROBERT A. SWINSON)			

APPROVED BY

	<i>Digitally signed by</i> CASIMIR L TABAKA Apr 14, 2025	OFFICE AJV-A432	DATE	TITLE MANAGER
CASIMIR L. TABAKA				



AIRPORT ID
EKM

PROCEDURE NAME
RNAV (GPS) RWY 27

ORIGINAL/AMENDMENT
1

CITY
ELKHART

STATE
IN

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEKM
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	414315.3635N
LTP/FTP LONGITUDE	0855944.0885W
LTP/FTP ELLIPSOIDAL HEIGHT	+02033
FPAP LATITUDE	414315.1935N
FPAP LONGITUDE	0860143.0710W
THRESHOLD CROSSING HEIGHT (TCH)	00045.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	AC8A5DEE
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02369
FPAP ORTHOMETRIC HEIGHT	+02369

