

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> KGYG	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 12	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> GARY	<u>STATE</u> IN		
<u>AIRPORT ELEVATION</u> 597	<u>TDZE</u> 597	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 12	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 06/25/2015	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FEBAG	IAF	NOOOO		TF	FB	1.00	300.29	10.27	2300
NOOOO	IF	KCHUP		TF	FB	1.00	300.16	3.50	2300
KCHUP		BBRAD		RF	FB	1.00	(4.05 NM RADIUS CCW (CFFLN))	5.09	2000
BBRAD		TRAYC		TF	FB	1.00	227.98	2.00	2000
TRAYC		PADKE	PFAF	RF	FB	1.00	(2.43 NM RADIUS CCW (CFBZC))	4.32	1800
KEGLE	IF	TRAYC		TF	FB	1.00	228.00	4.95	2000
PCKLE	IF	TMATO		TF	FB	1.00	038.91	4.40	2000
TMATO		PADKE	PFAF	RF	FB	1.00	(2.59 NM RADIUS CW (CFFFS))	3.94	1800
HTDOG	IAF	MSTRD		TF	FB	1.00	309.66	12.38	4000
MSTRD	IF	RELSH		TF	FB	1.00	309.51	3.50	3000
RELSH		ONYIN		RF	FB	1.00	(3.43 NM RADIUS CW (CFFCZ))	5.35	2000
ONYIN		TMATO		TF	FB	1.00	038.94	1.00	2000
PADKE	PFAF	RW12	MAP	TF	FO	0.30	126.11	3.59	
RW12	MAP	913 MSL		CA			126.11		
913 MSL		KIKVE		DF	FO	1.00			2400



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2400 DIRECT KIKVE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT PADKE					
3. FAC:	126.11	PFAF: PADKE	DIST PFAF TO MAP:	DIST PFAF TO THLD:	
4. MIN ALT:	PADKE 1800				
5. DIST TO THLD FROM PFAF:	3.59	MM:	IM:	150 HAT:	316 HAT: 0.80 GS ANT:
6. MIN GP INCPT:	1800	GP ALT AT PFAF :	PADKE 1800	OM:	MM: IM:
7. GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR TCH: 60.0
8. MSA FROM:	RW12 3400				

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16°C OR ABOVE 54°C.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART SPEED ICON IN PLANVIEW AT TRAYC: MAX 180 KIAS.
 CHART SPEED ICON IN PLANVIEW AT TMATO: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

CHART BLOCK 2300 TO 7300 AT FEBAG.
 HOLD NW, RT, 126.30 INBOUND.
 CHART MANDATORY 4000 AT HTDOG.



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
AUTHORIZATION REQUIRED																
RNP 0.10 DA	913	7/8	316	913	7/8	316	913	7/8	316	913	7/8	316				
RNP 0.30 DA	1043	1 3/8	446	1043	1 3/8	446	1043	1 3/8	446	1043	1 3/8	446				

CHANGES - REASONS

1. ADDED CA LEG TO TERMINAL ROUTES - IAW 8260.58A 3-5-2.
2. TERMINAL ROUTES: ADDED INITIAL SEGMENT HTDOG TO MSTRD AND FEBAG TO NOOOO, INTERMEDIATE SEGMENT MSTRD-RELSH-ONYIN-TMATO, NOOOO-KCHUP-BBRAD-TRAYC-PADKE, PCKLE-TMATO-PADKE, KEGLE TO TRAYC, AND REMOVED INITIAL SEGMENT KEGLE TO TRAYC, INTERMEDIATE SEGMENT TRAYC TO PADKE, AND FEEDER SEGMENT FEBAG TO KEGLE - PER FPT REQUEST.
3. CHANGED MISSED APPROACH FROM "CLIMB TO 2400 ON TRACK 126.13 TO KIKVE AND HOLD." TO "CLIMB TO 2400 DIRECT KIKVE AND HOLD." - PER FPT REQUEST.
4. CHANGED PROFILE LINE 2: FROM "PROFILE STARTS AT TRAYC" TO "PROFILE STARTS AT PADKE" - PER FPT REQUEST.
5. CHANGED PROFILE LINE 4: FROM "TRAYC 2000, PADKE 2000" TO "PADKE 1800" - PER FPT REQUEST.
6. CHANGED PROFILE LINE 5: FROM "DIST TO THLD FROM OM: 3.51" TO DIST TO THLD FROM PFAF: 3.59" - PER FPT REQUEST TO OBTAIN 3.0 GS.
7. AMENDED "DISTANCE TO THLD FROM 381 HAT: 0.84 NM" TO "DISTANCE TO THLD FROM 316 HAT: 0.80" AND RELOCATED IT FROM ADDITIONAL FLIGHT DATA TO PROFILE LINE 5 - 8260.19I, 8-6-7.E (3).
8. CHANGED PFAF PADKE ALTITUDE FROM 2000 FEET TO 1800 FEET - TO OBTAIN 3.0 GS ANGLE.
9. REMOVED "#" FROM TCH VALUE IN PROFILE LINE 7 AND ASSOCIATED NOTE "# TCH 656.9 MSL (DO NOT CHART)" FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
10. ADDED "20:1 IS CLEAR" TO PROFILE LINE 7 - CONFIRMED CLEAR BY TARGETS EVALUATION; 8260.19I, 8-6-7.G(3)(A).
11. LOWERED GS ANGLE FROM 3.60 TO 3.0 - ALLOW FOR USE BY CATEGORY D AIRCRAFT.
12. REMOVED "CHART NOTE: RF AND GPS REQUIRED" AND ADDED "RNP AR APCH - GPS" TO PBN REQUIREMENTS NOTES - UPDATED IAW 8260.19I, 8-6-8.B(1).
13. AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16°C (4°F) OR ABOVE 45°C (113°F)" TO " CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16°C OR ABOVE 54°C" - IAW 8260.19I, 8-6-9.R.
14. ADDED "CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS" - NEW IF LOCATIONS PER FPT REQUEST.
15. REMOVED "APPROACH TYPE" AND "ROUTE TYPE" NOTES IN ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
16. ADDED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - TCH DIFFERENCE GREATER THAN 2 FEET - 8260.19I, 8-6-9.M (1).
17. ADDED "CHART SPEED ICON IN PLANVIEW AT TMATO: MAX 180 KIAS" - AIRSPEED RESTRICTION ADDED FOR RF LEG.
18. REMOVED "CHART PLANVIEW NOTE AT FEBAG: (RNP 0.30)." - NEW EVALUATION, 1.0 RNP SEGMENTS PER FPT REQUEST.
19. REMOVED "CHART NOTE: PROCEDURE NA FOR WINGSPANS GREATER THAN 136 FEET." - NEW EVALUATION COMPLETED FOR WIDE BODY AIRCRAFT.
20. ADDITIONAL FLIGHT DATA: REMOVED CHART MAXIMUM ALTITUDE AT FEBAG 7300 AND CHART MAXIMUM ALTITUDE AT KEGLE 2800. ADDED CHART BLOCK 2300 TO 7300 AT FEBAG AND MADE KEGLE AOA 2300 - PER FPT REQUEST.
21. ADDITIONAL FLIGHT DATA: ADDED CHART MANDATORY 4000 AT HTDOG - PER FPT REQUEST.
22. REMOVED "CHART PLANVIEW NOTE: RADAR REQUIRED" - RADAR NOT REQUIRED FOR PROCEDURE.
23. REMOVED RNP 0.13 AND ADDED RNP 0.10 LINE OF MINIMA - PER FPT REQUEST TO ALLOW FOR REDUCED WEATHER MINIMA.
24. ADDED CATEGORY D MINIMA. - INCLUDING CATEGORY D AIRCRAFT PER FPT REQUEST.
25. LOWERED RNP 0.30 DA/HAT FROM "1056/459" TO "1043/446." - NEW CONTROLLING OBSTACLE.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZAU, CHICAGO APP CON, AMGR, GYY ATCT

FLIGHT CHECKED BY

PATRICK MURRAY

Digitally signed by

JASON KRETSCHMER

Apr 09, 2021

OFFICE

FICO

DATE

04/07/2021

DEVELOPED BY

JASON KRETSCHMER (DALLIN STRICKLAND)

Digitally signed by

JASON KRETSCHMER

Mar 23, 2021

OFFICE

AJV-A421

DATE

01/08/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Mar 23, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

