

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> 3CK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> CHICAGO/LAKE IN THE HILLS	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 887	<u>TDZE</u> 887	<u>SUPERSEDED</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 08/11/2022
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 OCTOBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 2W
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
KRENA		TONIC		TF	FO	1.00	192.53	12.13	2600
NUELG	IAF	TONIC	NOPT	TF	FB	1.00	024.58	12.41	2500
TONIC	IF/IAF	CRYSL		TF	FB	1.00	081.54	4.99	2500
CRYSL	FAF	ZINUG/1.83 NM TO RW08		TF	FB	0.30	081.63	3.14	
ZINUG/1.83 NM TO RW08		RW08	MAP	TF	FO	0.30	081.63	1.83	
RW08	MAP	1287 MSL		CA			081.63		
1287 MSL		EHUHY		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LNAV: RW08

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT EHUHY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD W TONIC, RT, 081.54 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 081.63	FAF: CRYSL		DIST FAF TO MAP: 4.97	DIST FAF TO THLD: 4.97	
4. MIN ALT: TONIC 2500, CRYSL 2500, ZINUG/1.83 NM TO RW08 1500					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	
6. MIN GP INCPT:	GP ALT AT FAF:			OM:	MM:
7. GP ANGLE:	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH:		IM:
8. MSA FROM: RW08 2600					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: VDP NA WHEN USING DPA ALTIMETER SETTING.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KRENA ON V24 WESTBOUND.  
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE DPA ALTIMETER SETTING AND INCREASE ALL MDAS 60 FT AND VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 261.85 INBOUND.  
CHART FAS OBST: 1033 ANTENNA (17-088593) 421217N/0882157W.  
CHART 1107 TOWER (17-003607) 421139N/0882606W.  
CHART VDP AT 1.20 NM TO RW08.  
CRYSL TO RW08: 3.00/33.

MINIMUMS:

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

ALTERNATE: NA ☒

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
LNAV MDA	1300	1	413	1300	1	413	1300	1 1/8	413		NA				

CHANGES - REASONS

- INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO FORM
- CHANGED KRENA-TONIC RNP FROM 2.0 TO 1.0 – 8260.58C TABLE 1-2-1
- CHANGED TONIC-CRYSL COURSE FROM 081.55 TO 081.54, DISTANCE FROM 5.10 NM TO 4.99 NM – CRYSL (FAF) RELOCATED 686 FEET EAST TO MATCH VGSI 3.00 DEGREE ANGLE
- CHANGED CRYSL-ZINUG DISTANCE FROM 3.10 NM TO 3.14 NM - CRYSL (FAF) RELOCATED 686 FEET EAST AND ZINUG (SDF) RELOCATED 444 FEET WEST TO MATCH VGSI 3.00 DEGREE ANGLE
- CHANGED FIX DESCRIPTION “ZINUG/1.80 NM” TO “ZINUG/1.83 NM” AND ZINUG-RW08 DISTANCE FROM 1.80 NM TO 1.83 NM - ZINUG (SDF) RELOCATED 444 FEET WEST TO MATCH VGSI 3.00 DEGREE ANGLE
- CHANGED PROFILE LINE 2 TONIC INBOUND COURSE FROM 081.63 TO 081.54 AND ADDED MAX HOLDING ALTITUDE 6000 – ALIGNED HILPT WITH INTERMEDIATE SEGMENT COURSE/8260.19J 8-6-7.B.(2)
- INCREASED PROFILE LINE 3 FAF TO MAP/FAF TO THLD FROM 4.90 TO 4.97 – CRYSL FIX AND RW08 THLD MOVEMENT
- ADDED PROFILE LINE 7 20:1 IS CLEAR – 20:1 VISUAL SURFACE IS NOT PENETRATED
- CHANGED PBN REQUIREMENTS NOTE FROM “RNP APCH” TO “RNP APCH – GPS” – 8260.19J 8-6-8
- ADDED CHART NOTE: VDP NA WHEN USING DPA ALTIMETER SETTING – VDP ADDED TO PROCEDURE
- REMOVED VGSI AND DESCENT ANGLE NOT COINCIDENT CHART NOTE – VGSI AND DESCENT ANGLE ARE COINCIDENT
- CHANGED KRENA PLANVIEW NOTE FROM “PROCEDURE NA FOR ARRIVALS AT KRENA ON V-100 NORTHEAST BOUND AND V24-100-228 WESTBOUND” TO “PROCEDURE NA FOR ARRIVALS AT KRENA ON V24 WESTBOUND” – V100 AND V228 NO LONGER INCLUDE KRENA
- REMOVED NUELG PLANVIEW NOTE – V172 NO LONGER INCLUDES NUELG
- CHANGED ALTIMETER NOTE FROM “OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE CHICAGO DUPAGE ALTIMETER SETTING” TO “OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE DPA ALTIMETER SETTING AND INCREASE ALL MDAS 60 FT AND VISIBILITY CAT C ¼ SM” – 8260.19J 8-6-10.E.(2)
- CHANGED ADDITIONAL FLIGHT DATA MISSED APPROACH HOLDING INBOUND COURSE FROM 261.86 TO 261.85 – ALIGNED WITH RWY 26 INTERMEDIATE SEGMENT COURSE
- CHANGED FAS OBSTACLE FROM 1033 TOWER 421217N/0882157W TO 1033 ANTENNA (17-088593) 421217N/0882157W – NEW OBSTACLE SURVEY
- CHANGED 7:1 EXCLUDED OBSTACLE FROM 1050 TOWER 421216N/0882226W TO 1107 TOWER (17-003607) 421139N/0882606W AND REMOVED 1030 TOWER 421242N/0881720W – NEW OBSTACLE SURVEY
- ADDED NOTE “CHART VDP AT 1.20 NM TO RW08” – VISUAL AREA 20:1 SURFACE IS CLEAR
- CHANGED CRYSL TO RW08 FROM 3.02/40 TO 3.00/33 – NEW PROCEDURE VDA/TCH
- REMOVED CHICAGO DUPAGE ALTIMETER SETTING LINE OF MINIMA – REMOTE ALTIMETER ADJUSTMENTS INCLUDED IN CHART NOTE



COORDINATED WITH:

A4A

ALPA

AOPA

X

APA

HAI

NBAA

X

OTHER: C90, AMGR, CHICAGO APP CON

FLIGHT CHECKED BY

JAMES ONIEAL

Digitally signed by

JOSEPH L ZEDER

Aug 13, 2024

DEVELOPED BY

JON NEIDIGH

Digitally signed by

JON M NEIDIGH

Jul 15, 2024

OFFICE

FPO

DATE

08/11/2024

OFFICE

AJV-A432

DATE

05/01/2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER

APPROVED BY

JOSEPH L. ZEDER

Digitally signed by

JOSEPH L ZEDER

Aug 13, 2024

