

**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> MDW	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 31R	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> CHICAGO	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 620	<u>TDZE</u> 613	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 JUNE 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2015
				<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>
HILLS	IAF	GLEAM		TF	FB	1.00	317.72	3.14	4000
GLEAM	IF	RUNTS		TF	FB	1.00	317.68	4.71	2500
RUNTS		HOBEL		TF	FB	1.00	317.63	2.51	1700
HOBEL	FAF	RW31R	MAP	TF	FO	0.30	317.61	3.27	
RW31R	MAP	1100 MSL		CA			317.61		1100
1100 MSL		EON VORTAC		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 2600 DIRECT EON VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- PROFILE STARTS AT HILLS
- FAC: 317.61 FAF: HOBEL DIST FAF TO MAP: 3.27 DIST FAF TO THLD: 3.27
- MIN ALT: HILLS 5000, GLEAM 4000, RUNTS 2500, HOBEL 1700
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.64 GS ANT: MM: IM:
- MIN GP INCPT: 1700 GP ALT AT PFAF: HOBEL 1700
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 47.9
- MSA FROM: RW31R 3400

QUALITY
39
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART NOTE: RWY 31R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART SPEED ICON IN PLANVIEW AT HILLS: MAX 240 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 5000 AT HILLS.
HOLD N, RT, 181.00 INBOUND.
CHART FAS OBST: 762 TOWER (17-024655) 414718N/0874419W.
CHART VDP AT 1.08 NM TO RW31R.
WAAS CHANNEL # 61147
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
LTP HAE: 153.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

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	863	4000	250	863	4000	250	863	4000	250	863	4000	250			
LNAV/VNAV DA	953	5000	340	953	5000	340	953	5000	340	953	5000	340			
LNAV MDA	1020	5500	407	1020	5500	407	1020	6000	407	1020	6000	407			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			

CHANGES - REASONS



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

ZAU, ORD APP CON, MDW ATCT, AMGR

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by

ROBERT G HAMILTON

Apr 03, 2025

OFFICE

AJF

DATE

04/03/2025

DEVELOPED BY

TROY PURNELL

Digitally signed by

TROY PURNELL

Feb 10, 2025

OFFICE

AJV-A433

DATE

12/20/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Apr 03, 2025

OFFICE

AJV-A433

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KMDW
RW31R
0
Z
0
W31A
414650.0035N
0874444.1175W
+01531
414751.4245N
0874610.4390W
00047.9
F
03.00
106.75
0976
40.0
50.0

CRC REMAINDER

5C3F228A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+01865
+01865

