

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> KMDW	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 22L	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> CHICAGO	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 620	<u>TDZE</u> 611	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 22L	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 07/16/2020	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
STERE	IAF	TACTT		TF	FB	1.00	274.05	5.00	3000
TACTT	IAF	SAILZ		TF	FB	1.00	273.97	5.00	3000
SAILZ	IF	DXXON		TF	FB	1.00	270.63	2.59	3000
DXXON		MNDOE		TF	FB	1.00	270.23	1.80	2500
MNDOE	FAF	ZUDVI/1.59 NM TO HINSN		TF	FB	0.30	237.55	3.65	
ZUDVI/1.59 NM TO HINSN		HINSN	MAP	TF	FO	0.30	237.55	1.59	
HINSN	MAP	1300 MSL		CA			237.55		1300
1300 MSL		EON VORTAC		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LP: HINSN
 LNAV: HINSN

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2600 DIRECT EON VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT SAILZ

3. FAC: 237.55

FAF: MNDOE

DIST FAF TO MAP: 5.23

DIST FAF TO THLD: 5.48

4. MIN ALT: SAILZ 3000, DXXON 3000, MNDOE 2500, ZUDVI/1.59 NM TO HINSN 1260

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

MM:

IM:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH:

8. MSA FROM: HINSN 3400

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

EQUIPMENT REQUIREMENTS NOTE:

RADAR REQUIRED.

NOTES:

CHART NOTE: CIRCLING RWY 31R NA AT NIGHT.
CHART NOTE: RWY 22L HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART SPEED ICON IN PLANVIEW AT SAILZ: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT MNDOE: MAX 170 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
FICTITIOUS THRESHOLD POINT (CFVPL) DO NOT CHART.
MNDOE TO HINSN: 3.17/50.
HOLD N, RT, 181.00 INBOUND.
CHART FAS OBST: 762 TOWER (17-024655) 414718N/0874419W, 703 TOWER (17-029599) 414802N/0874334W.
CHART 1038 STACK 415103N/0873912W, 745 STACK 414818N/0874246W.
CHART VDP AT 0.73 NM TO HINSN.
WAAS CHANNEL # 87132
REFERENCE PATH ID: W22A
CHART MANDATORY 3000 AT SAILZ.
CHART MANDATORY 3000 AT DXXON.
FAC CROSSES RWY C/L EXTENDED 1502 FT FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 10.0 DEGREES.
FTP HAE: 151.3 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
LP MDA	960	5500	349	960	5500	349	960	5500	349	960	5500	349			
LNAV MDA	1020	5500	409	1020	5500	409	1020	6000	409	1020	6000	409			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			

CHANGES - REASONS

1. IAF STEPDOWN TACTT CHANGED TO IAF - ATC/FPT REQUEST TO MAKE TACTT IAF VS IAF STEPDOWN.
2. PBN REQUIREMENTS NOTE CHANGED FROM RNP APCH TO RNP APCH-GPS - PER 19I.
3. ADDED RADAR REQUIRED TO EQUIPMENT REQUIREMENTS NOTES - DUE TO CLASS B AIRSPACE/CONFORMS WITH OTHER APPROACHES, FPT CONCURS.

COORDINATED WITH:A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAU, MDW ATCT, ORD APP CON, AMGR**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE**DATE**

Digitally signed by

ALLAN WILL

Jan 19, 2023

DEVELOPED BY

PHILLIP BRANDENBURG

Digitally signed by

PHILLIP BRANDENBURG**OFFICE**

AJV-A423

DATE

12/20/2022

APPROVED BY

ALLAN WILL

OFFICE

AJV-A423

DATE

Digitally signed by

ALLAN WILL

Jan 19, 2023

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMDW
RUNWAY	RW22L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	414728.5800N
LTP/FTP LONGITUDE	0874443.0700W
LTP/FTP ELLIPSOIDAL HEIGHT	+01513
FPAP LATITUDE	414635.5210N
FPAP LONGITUDE	0874618.7695W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.17
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BDD92BFC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01847
FPAP ORTHOMETRIC HEIGHT	+01847

