

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> ILS OR LOC RWY 13L	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> CHICAGO	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 620	<u>TDZE</u> 611	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u> 4W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-MDW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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
DPA VOR/DME	IAF	HEBKU INT/I-MDW 10.10 DME					084.78 (I-MDW)	19.10	2600
HEBKU INT/I-MDW 10.10 DME	IF	HITOB/I-MDW 4.15 DME					137.55 (I-MDW)	5.95	2000

MISSED APPROACH

MAP:

ILS: DA
LOC: I-MDW 0.11 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2300 ON HEADING 220 AND ON EON VORTAC R-001 UNTIL CROSSING IGE CY INT/EON 19.95 DME THEN CLIMB TO 2600 TO EON VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)				
2.	PROFILE STARTS AT HEBKU INT/I-MDW 10.10 DME								
3. FAC:	137.55	FAF:	HITOB/I-MDW 4.15 DME	PFAF:	HITOB/I-MDW 4.15 DME	DIST FAF TO MAP:		DIST FAF TO THLD:	4.23
4. MIN ALT:	HEBKU INT/I-MDW 10.10 DME 2600, HITOB/I-MDW 4.15 DME 2000, HSKO/I-MDW 2.42 DME 1440								
5. DIST TO THLD FROM OM:	2000	MM:	IM:	150 HAT:	GS ANT:	871	MM:	IM:	
6. MIN GS INCPT:	2000	GS ALT AT PFAF:	HITOB/I-MDW 4.15 DME 2000			OM:			
7. GS ANGLE:	3.00	34:1:	20:1:	TCH:	45.9				
8. MSA FROM:	CGT VORTAC 090-270 2800, 270-090 3400								

QUALITY
29
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED FOR LOC ONLY.

NOTES:

CHART NOTE: RWY 13L HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 2300 AT IGE CY.
CHART IN PROFILE VIEW: I-MDW DME ANTENNA.
HOLD N, RT, 181.00 INBOUND.
CHART FAS OBST: 757 TRANSMISSION_LINE (17-024641) 414831N/0874655W.
CHART VDP AT 1.06 DME.
DISTANCE VDP TO THLD 1.14 NM.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: 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
S-ILS 13L	861	4000	250	861	4000	250	861	4000	250	861	4000	250			
S-LOC 13L	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. ILS OR LOC RWY 13C ADMT 1 CANCELLED, ORIGINAL ILS OR LOC RWY 13L CREATED - PER FPT/ATC REQUEST, RUNWAYS 13C/31C DEACTIVATED, RUNWAYS 13C/31C RENUMBERED AS NEW RUNWAYS 13L/31R, AIRNAV DATA CHANGED.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ORD APP CON, MDW ATCT, ZAU ARTCC, AMGR.

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by
ROBERT G HAMILTON
Apr 03, 2025

OFFICE

AJF

DATE

04/03/2025

DEVELOPED BY

RAFAEL A MARTINEZ

Digitally signed by
RAFAEL A MARTINEZ
Mar 13, 2025

OFFICE

AJV-A433

DATE

11/01/2024

APPROVED BY

BEV L BORDY

Digitally signed by
ROBERT G HAMILTON
Apr 03, 2025

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
MDW	ILS OR LOC RWY 13L	ORIG	CHICAGO	IL	620	I-MDW

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
DPA VOR/DME

TO
HEBKU INT/I-MDW 10.10 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	19.10				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (17-000007)	415605.00N/0880424.00W	1508	250	50	4D	1000					2600
TERRAIN	415718.00N/0880833.00W	971 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
HEBKU INT/I-MDW 10.10 DME

TO
HITOB/I-MDW 4.15 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	5.95				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (17-002968)	415208.00N/0875455.00W	1145	500	50	5D	500				AT355	2000
TERRAIN	415215.00N/0875503.00W	725 (700)								AS1000	1700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS

FROM

HITOB/I-MDW 4.15 DME

TO

RW13L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.23		DA				250				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (17-044640)	414730.85N/0874549.91W	650	20	3	1A		34.00:1			SA-1	861

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

HITOB/I-MDW 4.15 DME

TO

HISKO/I-MDW 2.42 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
	1.73										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	415021.00N/0875009.00W	840	215	8	4B	250				DG350	1440

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

HISKO/I-MDW 2.42 DME

TO

I-MDW 0.11 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	2.50		I-MDW 0.11 DME				409				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TRANSMISSION_LINE (17-024641)	414831.43N/0874655.15W	757	20	3	1A	250					1020

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: ILS

FROM

DA

TO

EON VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
							673				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
TOWER (17-000002)	413320.00N/0875055.00W	1330	50	50	2D	1000					2400
TERRAIN	412448.00N/0874600.00W	836 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

I-MDW 0.11 DME

TO

EON VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
							770				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
TOWER (17-000002)	413320.00N/0875055.00W	1330	50	50	2D	1000					2400
TERRAIN	412448.00N/0874600.00W	836 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID

MDW

PROCEDURE NAME

ILS OR LOC RWY 13L

AMDT NO.

ORIG

CITY

CHICAGO

STATE

IL

AIRPORT ELEVATION

620

FACILITY

I-MDW

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
STACK (17-001632)	414606.00N/0874537.00W	1.30	500	811	20	3	1A	300			1120
CATEGORY B											
STACK (17-001632)	414606.00N/0874537.00W	1.83	500	811	20	3	1A	300			1120
CATEGORY C											
STACK (17-022572)	414943.00N/0874224.00W	2.87	720	864	500	50	5D	300		AC50 XP126	1340
CATEGORY D											
TOWER (17-000018)	414956.66N/0874220.96W	3.75	720	915	20	10	1B	300		XP125	1340

CIRCLING REMARKS:
XP126, XP125 - TO MATCH OTHER PUBLISHED CIRCLING.

MSA

CENTER

CGT VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-270	TOWER (18-000994)	412059.34N/0872358.09W	139	12.4	1735	250	50	4D	1000			2800
270-090	BUILDING (17-000687)	415244.00N/0873809.00W	351	22.3	2325	50	50	2D	1000			3400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ORD APP CON, MDW TOWER, ZAU ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	MDW	24	MDW	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

BACKUP ALTIMETER SOURCE NOT ESTABLISHED DUE TO REDUNDANT WEATHER SOURCES AT AIRPORT.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-MDW	MDW ATCT	24	1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW13R - MIRL	BSC-G	
RW31L - MIRL	BSC-G	
RW04L - MIRL, PAPI-4L	NPI-G	
RW22R - MIRL, PAPI-4L	NPI-G	
RW04R - C/LINE, HIRL, REIL, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW13L - LDIN, C/LINE, HIRL, PAPI-4R	PIR-G	APPROACH, ROLL OUT
RW13C - LDIN, C/LINE, HIRL, PAPI-4R	PIR-G	APPROACH, ROLL OUT
RW22L - REIL, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, ROLL OUT
RW31C - LDIN, C/LINE, HIRL, REIL, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW31R - LDIN, C/LINE, HIRL, REIL, PAPI-4L	PIR-G	APPROACH, ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	608.1	45.9	607.1	871	3.00	47.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	463
ON CENTERLINE	<div>X</div>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	S-ILS, S-LOC
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<u>AIRPORT ID</u> MDW	<u>PROCEDURE NAME</u> ILS OR LOC RWY 13L	<u>AMDT NO.</u> ORIG	<u>CITY</u> CHICAGO	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 620	<u>FACILITY</u> I-MDW
34:1						
639 TRANSMISSION_LINE (17-024991) 414732.18N/0874549.10W (3.08).						
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
100 FT VEGETATION HEIGHT PER FPT.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.97
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.86
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	133.55
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	9.38
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	7.08
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	133.55
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	700

THRESHOLD COORDINATES (IF STR-IN)	414726.51N/0874535.42W
ARP COORDINATES	414708.32N/0874509.82W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 22L DISTANCE 0.58 NM
FAF COORDINATES	415021.25N/0874941.32W
FIX NAME COORDINATES	IF HEBKU 415426.96N/0875528.06W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 463FT, ACTUAL COORDINATES: 414729.67N/0874539.85W

PART E: PREPARED BY

<u>NAME</u> RAFAEL A MARTINEZ	<u>OFFICE</u> AJV-A433	<u>DATE</u> 11/01/2024	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST	<div>QUALITY 29 CHECKED</div>
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