

**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><b>AIRPORT ID</b></u> KMDW	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) Z RWY 13C	<u><b>ORIGINAL/AMENDMENT</b></u> 3	<u><b>CITY</b></u> CHICAGO	<u><b>STATE</b></u> IL		
<u><b>AIRPORT ELEVATION</b></u> 620	<u><b>TDZE</b></u> 611	<u><b>SUPERSEDED</b></u> RNAV (GPS) Z RWY 13C	<u><b>ORIGINAL/AMENDMENT</b></u> 2A	<u><b>DATED</b></u> 12/02/2021	<u><b>MAG VAR</b></u> 4W	<u><b>EPOCH YEAR</b></u> 2015
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 3 NOVEMBER 2022	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
TOYUL	IAF	GIKLE		TF	FB	1.00	052.36	5.15	2500
GIKLE		AAMEE		TF	FB	1.00	056.72	5.01	2300
AAMEE	IF	RUDDY		TF	FB	1.00	068.86	2.87	2000
RUDDY		NAANN		TF	FB	1.00	128.30	1.63	1600
NAANN	FAF	HHALL/1.97 NM TO RW13C		TF	FB	0.30	137.52	1.00	
HHALL/1.97 NM TO RW13C		RW13C	MAP	TF	FO	0.30	137.52	1.97	
RW13C	MAP	1100 MSL		CA			137.52		1100
1100 MSL		EON VORTAC		DF	FO	1.00			2600

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW13C

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1100 THEN CLIMBING RIGHT 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 AAMEE

3. FAC: 137.52FAF: NAANNDIST FAF TO MAP: 2.97DIST FAF TO THLD: 2.97

4. MIN ALT: AAMEE 2300, RUDDY 2000, NAANN 1600, HHALL/1.97 NM TO RW13C 1280

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.65GS ANT:

6. MIN GP INCPT: 1600GP ALT AT PFAF : NAANN 1600OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 46.0

8. MSA FROM: RW13C 3400

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 13C HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.  
CHART NOTE: CIRCLING RWY 31R NA AT NIGHT.  
CHART SPEED ICON IN PLANVIEW AT AAMEE: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 181.00 INBOUND.  
CHART FAS OBST: 757 TRANSMISSION\_LINE (17-024641) 414831N/0874655W.  
850 AAO 414639N/0875159W, 830 AAO 414706N/0874946W.  
CHART VDP AT 1.14 NM TO RW13C.  
WAAS CHANNEL # 50541  
REFERENCE PATH ID: W13A  
CHART MANDATORY 2300 AT AAMEE.  
CHART MANDATORY 2500 AT GIKLE.  
CHART MANDATORY 2000 AT RUDDY.  
CHART CIRCLING ICON.  
LTP HAE: 151.9 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	861	4000	250	861	4000	250	861	4000	250	861	4000	250			
LNAV/VNAV DA	1034	1 1/4	423	1034	1 1/4	423	1034	1 1/4	423	1034	1 1/4	423			
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. TERMINAL ROUTES: CREATED NEW IAF FROM TOYUL TO GIKLE; GIKLE TO AAMEE CHANGED FROM AN IAF TO IAF STEP - PER FPT TO MATCH RNAV (RNP) Y RWY 13C.
2. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C." - NEW 5 YEAR ACT.
3. ADDITIONAL FLIGHT DATA: CHANGED "CHART 803 TOWER 415013N/0874710W, 786 TRANSMISSION\_LINE 414759N/0874852W" TO "830 AAO 414706N/0874946W, 850 AAO 414639N/0875159W" - NEW 7:1 OBSTACLES IDENTIFIED.
4. MINIMUMS: LNAV/VNAV DA/HAT CHANGED FROM 1033/422 TO 1034/423 FOR ALL CATS - PER TARGETS EVALUATION (OBSTACLE REMAINS THE SAME AS PREVIOUSLY PUBLISHED).

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

SCOTT WIEBE

Digitally signed by

ALLAN WILL

Sep 01, 2022

**OFFICE**

FPO

**DATE**

08/31/2022

**DEVELOPED BY**

SHANE FOWLER

Digitally signed by

PHILLIP BRANDENBURG

Aug 12, 2022

**OFFICE**

AJV-A423

**DATE**

06/28/2022

**APPROVED BY**

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Sep 01, 2022

**OFFICE**

AJV-A420

**DATE****TITLE**  
MANAGERQUALITY  
16  
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMDW
RUNWAY	RW13C
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	414726.5140N
LTP/FTP LONGITUDE	0874535.4240W
LTP/FTP ELLIPSOIDAL HEIGHT	+01519
FPAP LATITUDE	414625.0865N
FPAP LONGITUDE	0874409.1200W
THRESHOLD CROSSING HEIGHT (TCH)	00046.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0904
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	40B28021

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01853
FPAP ORTHOMETRIC HEIGHT	+01853

