

**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> KORD	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 27L	<u>ORIGINAL/AMENDMENT</u> 6	<u>CITY</u> CHICAGO	<u>STATE</u> IL	
<u>AIRPORT ELEVATION</u> 680	<u>TDZE</u> 654	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 27L	<u>ORIGINAL/AMENDMENT</u> 5	<u>DATED</u> 12/02/2021	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
VOGLR	IAF	NRMAH		TF	FB	1.00	280.58	17.29	9000
NRMAH		JOEBO		TF	FB	1.00	273.39	3.14	8000
JOEBO		GRABL		TF	FB	1.00	273.35	3.14	7000
GRABL		RIPPR		TF	FB	1.00	273.30	3.14	6000
RIPPR		BASHH		TF	FB	1.00	273.25	3.14	5000
BASHH	IF	EBENS		TF	FB	1.00	273.21	3.14	4000
EBENS		JLOWW		TF	FB	1.00	273.16	5.95	2200
JLOWW	FAF	RW27L	MAP	TF	FO	0.30	273.07	4.69	
RW27L	MAP	854 MSL		CA			273.07		
854 MSL		WASCO		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW27L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT WASCO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. CHANGED RNAV (GPS) Z RWY 27L'S PFAF FROM TAFFS TO JLOWW TO MATCH TO THE ILS OR LOC RWY 27L'S PFAF.
2. UPDATED FAF TO MAP LOCATION FROM 4.68 TO 4.69 - NEW PFAF (JLOWW) IS LOCATED 26.66 FEET EAST OF OLD PFAF (TAFFS).
3. UPDATED DIST TO THLD FROM FAF FROM 4.68 TO 4.69 - NEW PFAF (JLOWW) IS LOCATED 26.66 FEET EAST OF OLD PFAF (TAFFS).
4. CHANGED TCH FROM 58 TO 56.6 - USED THE DESIGN TCH.
5. DELETED RADAR REQUIRED UNDER PBN REQUIREMENTS NOTE - IAW 8260.19I, 8-6-8 (B) (2), RADAR NOT REQUIRED.
6. ADDED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE ANGLE)/TCH {FEET}" - IAW ORDER 8260.19I, 8-6-8 (M).
7. ADDED "CHART SPEED ICON IN PLANVIEW AT BASHH AND EBENS: MAX 230 KIAS" - IAW 8260.58B, 1-2-5, ADDED SPEED RESTRICTION, APPROVED BY ATC, TO MEET 90 DEGREE VECTOR REQUIREMENT TO "REDUCE TURN RADIUS, AVOID OBSTACLES, AND ACCOMMODATE ATC REQUEST, ETC."
8. UPDATED ADDITIONAL FLIGHT DATA INFORMATION; DELETED "855 AAO 415921N/0874838W" AND ADDED "850 AAO 415921N/0874838W" - NEW CONTROLLING FAS OBSTACLE; HENCE, ANNOTATED IAW 8260.19I 8-6-10.
9. CHANGED CHART VDP FROM 1.29NM TO 1.16 NM - VDP LOCATION CHANGED DUE TO LOWER LNAV MDA AND TCH.
10. DELETED MINIMUM VISIBILITY MEASUREMENTS IN STATUTE MILES (SM) AND REPLACED IT WITH RVR (FT) WITH APPROACH LIGHTING SYSTEM - IAW 8260.3E, 3-1-2.
11. DECREASED LNAV MDA/HAT ALL CATS FROM 1120/466 TO 1100/446 - DUE TO NEW CONTROLLING OBSTACLE.
12. UPDATED CRC REMAINDER FROM 8CE036B3 TO A4AAD9CD - NEW FAS DATA CALCULATIONS.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZAU, CHICAGO APP CON, ORD TOWER, AMGR

FLIGHT CHECKED BY

Digitally signed by

DONALD H LANIER

May 18, 2022

OFFICE

FPO

DATE

05/15/2022

DEVELOPED BY

Digitally signed by

DONALD H LANIER

DONALD H. LANIER (PARNELL PRASSADA)

OFFICE

AJV-A431

DATE

03/18/2022

APPROVED BY

Digitally signed by

DONALD H LANIER

May 18, 2022

CASIMIR TABAKA

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORD
RUNWAY	RW27L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	415902.0415N
LTP/FTP LONGITUDE	0875324.5555W
LTP/FTP ELLIPSOIDAL HEIGHT	+01646
FPAP LATITUDE	415902.0170N
FPAP LONGITUDE	0875553.6460W
THRESHOLD CROSSING HEIGHT (TCH)	00056.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A4AAD9CD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01982
FPAP ORTHOMETRIC HEIGHT	+01982

