

**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</u> CHICAGO O'HARE INTL	<u>AIRPORT ID</u> KORD	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 28L	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> CHICAGO	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 680	<u>TDZE</u> 667	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 28L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 10/12/2017	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2010

**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>
VOGLR	IAF	LYSIN		TF	FB	1.00	275.46	17.17	9000
LYSIN		KEGNE		TF	FB	1.00	273.28	3.14	8000
KEGNE		JAVON		TF	FB	1.00	273.23	3.14	7000
JAVON		HANSO		TF	FB	1.00	273.18	3.14	6000
HANSO		FITAR		TF	FB	1.00	273.14	3.14	5000
FITAR	IF	CAKOS		TF	FB	1.00	273.09	3.14	4000
CAKOS		PONCC		TF	FB	1.00	273.04	6.43	2200
PONCC	FAF	ALKYL/1.80 NM TO RW28L		TF	FB	0.30	272.95	2.87	
ALKYL/1.80 NM TO RW28L		RW28L	MAP	TF	FO	0.30	272.95	1.80	
RW28L	MAP	1200 MSL		CA			272.95		1200
1200 MSL		CGT VORTAC		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW28L

**MISSED APPROACH INSTRUCTIONS:**

CLIMB 1200 THEN CLIMBING LEFT TURN TO 4000 DIRECT CGT VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

1. **PT**      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
2. PROFILE STARTS AT LYSIN
3. **FAC:** 272.95      **FAF:** PONCC                      **DIST FAF TO MAP:** 4.67                      **DIST FAF TO THLD:** 4.67
4. **MIN ALT:** LYSIN 9000, KEGNE 8000, JAVON 7000, HANSO 6000, FITAR 5000, CAKOS 4000, PONCC 2200, ALKYL/1.80 NM TO RW28L 1280\*
5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **200 HAT:** 0.48
6. **MIN GP INCPT:** 2200                      **GP ALT AT FAF :** PONCC 2200                      **OM:**                      **MM:**                      **IM:**
7. **GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 55.0
8. **MSA FROM:** RW28L 3400

**PBN EQUIPMENT REQUIREMENTS NOTES**

RNP APCH.

**NOTES:**

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
 CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C OR ABOVE 54C.  
 CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.

**ADDITIONAL FLIGHT DATA:**

DISTANCE TO THLD FROM 200 HAT: 0.48 NM.  
 CHART VDP AT 1.09 NM TO RW28L\*  
 \*LNAV ONLY  
 WAAS CHANNEL #65837  
 REFERENCE PATH ID: W28D  
 CHART FAS OBST: 807 TOWER 415719N/0875153W.  
 HOLD SE, RT, 336.00 INBOUND  
 LTP HAE: 167 M

**MINIMUMS:**

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

ALTERNATE: NA  STANDARD

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	867	1800	200	867	1800	200	867	1800	200	867	1800	200				
LNAV/VNAV DA	1090	4000	423	1090	4000	423	1090	4000	423	1090	4000	423				
LNAV MDA	1060	2400	393	1060	2400	393	1060	3500	393	1060	3500	393				



**CHANGES - REASONS**

1. UPDATED LNAV/VNAV DA/HAT FROM 995/328 TO 1090/423 AND VISIBILITY FROM RVR 3000 TO RVR 4000. - NEW CONTROLLING OBSTACLE LLWAS TOWER.
2. REPLACED NOTE "DME/DME RNP-0.3 NA" WITH "PBN REQUIREMENTS NOTE: RNP APCH". - 8260-19H 8-6-8.
3. ADDED 20:1 IS CLEAR TO LINE 7. -IAW 8260.19H 8-6-7G(3).
4. DELETED NOTE "CHART PLANVIEW NOTE: RADAR REQUIRED". - IAW 8260.19H.
5. UPDATED NOTE FROM "CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS" TO "CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS". - IAW 8260.19H 8-6-9.
6. UPDATED TEMPERATURE NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C OR ABOVE 54C". - IAW 8260.19H 8-6-9.



COORDINATED WITH:

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: ZAU, CHICAGO APP CON, ORD ATCT, AMGR.

FLIGHT CHECKED BY

SHAWN D MAXWELL

*Digitally signed by*

**DONALD H LANIER**

Aug 02, 2018

OFFICE

FICO

DATE

6/23/18

DEVELOPED BY

ADOLFO URRUTIA (CHRISTINE BAYSE)

*Digitally signed by*

**DONALD H LANIER**

Aug 02, 2018

OFFICE

AJV-5432

DATE

03/19/2018

APPROVED BY

PATRICK MULQUEEN

*Digitally signed by*

**DONALD H LANIER**

Aug 02, 2018

OFFICE

AJV-5430

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	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28D
LTP/FTP LATITUDE	415726.0865N
LTP/FTP LONGITUDE	0875401.0355W
LTP/FTP ELLIPSOIDAL HEIGHT	+00167
FPAP LATITUDE	415725.8825N
FPAP LONGITUDE	0875600.4565W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 54FCF5DF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02006
FPAP ORTHOMETRIC HEIGHT	+02006

