

**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.

<b>AIRPORT</b> CHICAGO O'HARE INTL	<b>AIRPORT ID</b> KORD	<b>PROCEDURE NAME</b> RNAV (GPS) Y RWY 28L	<b>ORIGINAL/AMENDMENT</b> ORIG-A	<b>CITY</b> CHICAGO	<b>STATE</b> IL
<b>AIRPORT ELEVATION</b> 680	<b>TDZE</b> 667	<b>SUPERSEDED</b> RNAV (GPS) Y RWY 28L	<b>ORIGINAL/AMENDMENT</b> ORIG	<b>DATED</b> 11/10/2016	<b>MAG VAR</b> 3W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 13 SEPTEMBER 2018	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>CANCEL SUSPEND</b>	<b>EPOCH YEAR</b> 2010

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
VOGLR	IAF	SYNTH		TF	FB	1.00	271.65	17.19	9000
SYNTH		TAGPE		TF	FB	1.00	275.76	3.14	8000
TAGPE		UCXOR		TF	FB	1.00	275.71	3.14	7000
UCXOR		VIOLS		TF	FB	1.00	275.67	3.14	6000
VIOLS		WODRO		TF	FB	1.00	275.52	3.14	5000
WODRO	IF	XOGDY		TF	FB	1.00	275.59	3.14	4000
XOGDY		YOYUK		TF	FB	1.00	275.55	6.43	2200
YOYUK	FAF	(CFDZQ)	MAP	TF	FO	0.30	275.45	4.67	
(CFDZQ)	MAP	1200 MSL		CA			275.45		1200
1200 MSL		CGT VORTAC		DF	FO				4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: (CFDZQ)

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 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 SYNTH
3. **FAF:** 275.45      **FAF:** YOYUK                      **DIST FAF TO MAP:** 4.67                      **DIST FAF TO THLD:** 4.67
4. **MIN ALT:** SYNTH 9000, TAGPE 8000, UCXOR 7000, VIOLS 6000, WODRO 5000, XOGDY 4000, YOYUK 2200
5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **250 HAT:** 0.57
6. **MIN GP INCPT:** 2200                      **GP ALT AT FAF :** YOYUK 2200                      **OM:**                      **MM:**                      **IM:**
7. **GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 55.0
8. **MSA FROM:** (CFDZQ) 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 250 HAT: 0.57 NM.  
 CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 2.50 DEGREES.  
 CHART VDP AT 1.09 NM TO (CFDZQ)\*  
 \*LNAV ONLY  
 WAAS CHANNEL #93839  
 REFERENCE PATH ID: W28E  
 CHART FAS OBST: 807 TOWER 415719N/0875153W.  
 CHART: 978 TOWER 415716N/0874809W.  
 FAC CROSSES RWY C/L EXTENDED 2563 FT FROM THLD.  
 HOLD SE, RT, 336.00 INBOUND  
 FTP HAE: 167 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
LPV DA	917	2400	250	917	2400	250	917	2400	250	917	2400	250			
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.
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 8-6-8.
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 SIMULANEOUS 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.
7. UPDATED DISTANCE TO THLD FROM 250 HAT FROM 0.64 NM TO 0.57 NM. - NEW CALCULATED DISTANCE.



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	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28E
LTP/FTP LATITUDE	415727.1900N
LTP/FTP LONGITUDE	0875400.9740W
LTP/FTP ELLIPSOIDAL HEIGHT	+00167
FPAP LATITUDE	415730.8745N
FPAP LONGITUDE	0875600.2945W
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	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2CAD5AF2

ADDITIONAL PATH POINT RECORD INFORMATION

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

