

**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) RWY 10L	<u>ORIGINAL/AMENDMENT</u> 5B	<u>CITY</u> CHICAGO	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 680	<u>TDZE</u> 672	<u>SUPERSEDED</u> RNAV (GPS) RWY 10L	<u>ORIGINAL/AMENDMENT</u> 5A	<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> 26 MARCH 2020	<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
GIBNS	IAF	ARIST		TF	FB	1.00	084.77	20.30	9000
ARIST		KALZO		TF	FB	1.00	092.47	3.14	8000
KALZO		BURKE		TF	FB	1.00	092.52	3.14	7000
BURKE		SYSCO		TF	FB	1.00	092.57	3.14	6000
SYSCO		PRATT		TF	FB	1.00	092.61	3.14	5000
PRATT	IF	CARLE		TF	FB	1.00	092.66	3.14	4000
CARLE		BUGSE		TF	FB	1.00	092.71	5.34	2300
BUGSE	FAF	ANACO/2.70 NM TO RW10L		TF	FB	0.30	092.79	2.24	
ANACO/2.70 NM TO RW10L		RW10L	MAP	TF	FO	0.30	092.79	2.70	
RW10L	MAP	872 MSL		CA			092.79		
872 MSL		XURXU		DF	FB	1.00			
XURXU		CGT VORTAC		TF	FO	1.00	160.83	29.72	4000



**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW10L

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT XURXU AND ON TRACK 160.83 TO CGT VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- 1. PT      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- 2. PROFILE STARTS AT ARIST
- 3. **FAC:** 092.79      **FAF:** BUGSE                      **DIST FAF TO MAP:** 4.94                      **DIST FAF TO THLD:** 4.94
- 4. **MIN ALT:** ARIST 9000, KALZO 8000, BURKE 7000, SYSCO 6000, PRATT 5000, CARLE 4000, BUGSE 2300, ANACO/2.70 NM TO RW10L 1580\*
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **200 HAT:** 0.45                      **GS ANT:**
- 6. **MIN GP INCPT:** 2300                      **GP ALT AT FAF :** BUGSE 2300                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 55.8
- 8. **MSA FROM:** RW10L 3400

**PBN REQUIREMENTS NOTE:**

RADAR REQUIRED FOR PROCEDURE ENTRY.  
RNP APCH.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
\*LNAV ONLY  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

**ADDITIONAL FLIGHT DATA:**

CHART VDP AT 1.17 NM TO RW10L\*  
\*LNAV ONLY  
WAAS CHANNEL #48904  
REFERENCE PATH ID: W10A  
CHART FAS OBST: 846 ANTENNA 415842N/0875936W.  
HOLD SE, RT, 336.00 INBOUND  
LTP HAE: 171.3 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	872	1800	200	872	1800	200	872	1800	200	872	1800	200				
LNAV/VNAV DA	1062	3500	390	1062	3500	390	1062	3500	390	1062	3500	390				
LNAV MDA	1120	2400	448	1120	2400	448	1120	4500	448	1120	4500	448				

**CHANGES - REASONS**

1. LNAV/VNAV DA/HAT INCREASED FROM 1056/384 TO 1062/390; VISIBILITY DECREASED FROM 4000 TO 3500. - NEW LNAV/VNAV CONTROLLING OBSTACLE; NEW INOP VISIBILITY TABLE USED.
2. TERMINAL ROUTES: INTERMEDIATE PRATT TO CARLE, CARLE TO BUGSE RNP UPDATED FROM 0.50 TO 1.00. - IAW 8260.58A TABLE 1-2-1.
3. LINE 7: 20:1 IS CLEAR ADDED. - NO 20:1 PENETRATIONS EXIST.
4. CHART NOTE: DME/DME RNP-0.3 NA REMOVED. ADDED PBN REQUIREMENTS NOTE: RNP APCH. - IAW 8260.19H 8-6-8 B(1).
5. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F) UPDATED TO -19F TO 54C. - FAHRENHEIT REMOVED IAW 8260.19H 8-6-9 S.
6. ADDITIONAL FLIGHT DATA: CHART FAS OBST UPDATED FROM 852 TANK TO 846 ANTENNA. - NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
7. ADDITIONAL FLIGHT DATA: CHART PLANVIEW NOTE: RADAR REQUIRED REMOVED. - RADAR STILL REQUIRED FOR PROCEDURE ENTRY; NOTE MOVED TO EQUIPMENT REQUIREMENTS SECTION.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZUA ARTCC, ORD ATCT, CHICAGO APP CON, AMGR

**FLIGHT CHECKED BY**

PATRICK MURRAY

*Digitally signed by*  
**WARDELL HENNING** **OFFICE** **DATE**  
FICO 10/26/2019  
Jan 27, 2020

**DEVELOPED BY**

WARDELL HENNING (BARBARA GORMAN)

*Digitally signed by*  
**WARDELL HENNING** **OFFICE** **DATE**  
AJV-A432 06/12/2019  
Jan 27, 2020

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by*  
**WARDELL HENNING** **OFFICE** **DATE** **TITLE**  
AJV-A430 06/12/2019 MANAGER  
Jan 27, 2020



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORD
RUNWAY	RW10L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	415808.3815N
LTP/FTP LONGITUDE	0875553.5140W
LTP/FTP ELLIPSOIDAL HEIGHT	+01713
FPAP LATITUDE	415808.6525N
FPAP LONGITUDE	0875301.4240W
THRESHOLD CROSSING HEIGHT (TCH)	00055.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	111.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	396B871E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02049
FPAP ORTHOMETRIC HEIGHT	+02049

