

**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> AURORA MUNI	<u>AIRPORT ID</u> KARR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> CHICAGO/AURORA	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 712	<u>TDZE</u> 705 ←	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 10/25/2007	<u>MAG VAR</u> 1W
<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> 1990

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 18-18,

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JOT VOR/DME	IAF	BOBBB		TF	FB	1.00	346.20	4.35	2600
BOBBB	IF	RIESR		TF	FB	1.00	327.80	6.01	2300
RIESR	FAF	RW33	MAP	TF	FO	0.30	327.75	4.81	
RW33	MAP	1042 MSL		CA					
1042 MSL		UCORO		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT UCORO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT JOT VOR/DME
3. **FAC:** 327.75 **FAF:** RIESR **DIST FAF TO MAP:** 4.81 **DIST FAF TO THLD:** 4.81
4. **MIN ALT:** JOT VOR/DME 2600, BOBBB 2600, RIESR 2300
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **336 HAT:** 0.93 **GS ANT:**
6. **MIN GP INCPT:** 2300 **GP ALT AT FAF :** RIESR 2300 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 48.0
8. **MSA FROM:** RW33 2600



PBN REQUIREMENTS NOTE:

PBN REQUIREMENTS NOTES RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JOT VOR/DME AIRWAY RADIALS 314 CW 328.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY TO 1 1/4 SM ALL CATS, LNAV CATS A/B VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART VDP AT 1.28 NM TO RW33*
 *LNAV ONLY
 WAAS CHANNEL #49105
 REFERENCE PATH ID: W33A
 CHART 1058 TOWER 414216N/0882602W.
 HOLD SE, LT, 327.72 INBOUND
 LTP HAE: 179.9 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	1042	3/4	337	1042	3/4	337	1042	3/4	337	1042	3/4	337				
LNAV/VNAV DA	1194	1 1/4	489	1194	1 1/4	489	1194	1 1/4	489	1194	1 1/4	489				
LNAV MDA	1140	3/4	435	1140	3/4	435	1140	3/4	435	1140	1	435				
CIRCLING	1200	1	488	1200	1	488	1200	1 1/2	488	1320	2	608				



CHANGES - REASONS

1. ALL REFERENCES TO JOLIET (JOT) VORTAC CHANGED TO JOLIET (JOT) VOR/DME - TACR PROJECT.
2. ADDED 8260.3 CHAPTER 2 CIRCLING CRITERIA/CHARTED CIRCLING ICON, CIRCLING CAT D CHANGED FROM 1280 TO 1320 - NEW CIRCLING CAT D CONTROLLING OBSTACLE.
3. CHANGED CHART NOTE FROM "CHART NOTE: DME/DME RNP 0.3 NA" TO "PBN REQUIREMENT NOTE RNP APCH" - PER MEMO #257.
4. FAS DATA: LTP COORDS CHANGED FROM 414602.6610N/0882830.3090W TO 414602.6565N/0882830.2985W, FPAP COORDS CHANGED FROM 414648.1800N/0882910.2400W TO 414717.1665N/0882935.6725W, LENGTH OFFSET CHANGED FROM 0000 TO 1072, COURSE WIDTH FROM 94.25 TO 106.75, CRC REMAINDER CHANGED FROM 32F0B8AD TO 0CC6E72C - UPDATED DATA.
5. CHANGED NOTE FROM "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHICAGO O'HARE INTL ALTIMETER SETTING AND INCREASE ALL DAS 72 FEET/MDAS 80 FEET" TO CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHICAGO O'HARE INTL ALTIMETER SETTING AND INCREASE ALL DAS 72 FEET/MDAS 80 FEET. ALTERNATE MINIMUMS, BARO VNAV AND VDP NA." - PRIMARY ALTIMETER ON WMSCR.
6. REMOVED CHART NOTE: VDP NA WHEN USING CHICAGO O'HARE INTL ALTIMETER SETTING - NO LONGER NEEDED.

7/20/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 4/25/18.

1. CHANGED CHART PLANVIEW NOTE FROM CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JOT VORT/DME AIRWAY RADIALS 314 CW 328 TO CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JOT VOR/DME AIRWAY RADIALS 314 CW 328.
2. FAS DATA CHANGED : CRC REMAINDER CHANGED FROM 32F0B8AD TO 66AD6FD9, LTP CHANGED FROM 414602.6610N/0882830.3090W TO 414602.6565N/0882830.2985W, FPAP CHANGED FROM 414648.1800N/0882910.2400W TO 414517.1665N/0882935.6725W, COURSE WIDTH AT THRESHOLD CHANGED FROM 94.25 TO 106.75, LENGTH OFFSET CHANGED FROM 0000 TO 1072.
3. ADDED NOTE - NEW CIRCLING CRITERIA PREVIOUSLY FLT CKD ON KARR LOC RWY 33, ORIG.

8/2/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 7/27/18.

1. TDZE CHANGED FROM 706 FEET TO 705 FEET.
2. HAT VALUES CHANGED: LPV HAT FROM 336 FEET TO 337 FEET; LNAV/VNAV HAT FROM 488 FEET TO 489 FEET.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZAU, CHI APP CON, ARR ATCT, AMGR

FLIGHT CHECKED BY

PAUL ROBERT ARMSTRONG

Digitally signed by

DONALD H LANIER

Aug 07, 2018

OFFICE

FIOG

DATE

05/08/2018

DEVELOPED BY

WARDELL HENNING

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Aug 07, 2018

OFFICE

AJV-5433

DATE

10/23/2017

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

DONALD H LANIER

Aug 07, 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	KARR
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	414602.6565N
LTP/FTP LONGITUDE	0882830.2985W
LTP/FTP ELLIPSOIDAL HEIGHT	+01799
FPAP LATITUDE	414717.1665N
FPAP LONGITUDE	0882935.6725W
THRESHOLD CROSSING HEIGHT (TCH)	00048.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	66AD6FD9
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02129
FPAP ORTHOMETRIC HEIGHT	+02129

