

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/ROCKFORD INTL	<u>AIRPORT ID</u> KRFD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 2B	<u>CITY</u> CHICAGO/ROCKFORD	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 742	<u>TDZE</u> 736	<u>SUPERSEDED</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 03/05/2015	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
RFD VOR/DME		WAGET		TF	FO	2.00	031.66	12.71	2600
BULLZ		JORMO		TF	FB	2.00	262.95	7.23	2500
JVL VOR/DME	IAF	WAGET	NOPT	TF	FB	1.00	170.72	9.00	2500
PAPOW	IAF	WAGET	NOPT	TF	FB	1.00	109.26	11.97	2500
JORMO	IAF	WAGET	NOPT	TF	FB	1.00	258.54	6.00	2500
WAGET	IF/IAF	CAGRA		TF	FB	1.00	188.45	7.00	2500
CAGRA	FAF	JUNUP/1.60 NM TO RW19		TF	FB	0.30	188.44	3.78	
JUNUP/1.60 NM TO RW19		RW19	MAP	TF	FO	0.30	188.44	1.60	
RW19	MAP	936 MSL		CA			188.44		
936 MSL		CONAN		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW19

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT CONAN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD N WAGET, RT, 188.45 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 188.44 FAF: CAGRA DIST FAF TO MAP: 5.38 DIST FAF TO THLD: 5.38
4. MIN ALT: WAGET 2500, CAGRA 2500, JUNUP/1.60 NM TO RW19 1280*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.47 GS ANT: MM: IM:
6. MIN GP INCPT: 2500 GP ALT AT FAF : CAGRA 2500 OM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 50.0
8. MSA FROM: RW19 2600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JVL VOR/DME AIRWAY RADIALS 147 CW 189.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BULLZ ON T265 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RDF VOR/DME AIRWAY RADIALS 301 CW 073.

ADDITIONAL FLIGHT DATA:

CHART: ASR
CHART VDP AT 0.97 NM TO RW19*
*LNAV ONLY
WAAS CHANNEL #40435
REFERENCE PATH ID: W19A
CHART FAS OBST: 861 T-L TWR 421352N/0890459W.
HOLD S, RT, 008.41 INBOUND
LTP HAE: 191 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	936	3/4	200	936	3/4	200	936	3/4	200	936	3/4	200			
LNAV/VNAV DA	1039	1	303	1039	1	303	1039	1	303	1039	1	303			
LNAV MDA	1120	1	384	1120	1	384	1120	1 1/8	384	1120	1 1/8	384			
CIRCLING	1220	1	478	1240	1	498	1240	1 1/2	498	1320	2	578			



CHANGES - REASONS

- 1. MAG/VAR CHANGED FROM 0W/1990 TO 3W/2020 - UPDATE PROCEDURE TO MATCH CURRENT MAG/VAR.
- 2. ALL COURSES INCREASED BY 3 DEGREES - MAG/VAR UPDATE.
- 3. CIRC CATS B/C/D MDA/HAA CHANGED: CAT B FROM 1280/538 TO 1240/498; CAT C FROM 1320/578 TO 1240/498; CAT D FROM 1460/718 TO 1320/578 - NEW CIRCLING RADII MINIMUMS APPLIED AND PUBLISHED WITHOUT FLT CK EVAL OR CIRCLING ICON, LOWERED TO MATCH ALL OTHER PROCEDURES.
- 4. REMOVED FAHRENHEIT VALUES FROM BARO-VNAV SYSTEMS NOTE - NO LONGER REQUIRED.
- 5. DELETED DME/DME RNP-0.3 NA NOTE - PUBLISHED PBN REQUIREMENT NOTE.
- 6. PUBLISHED PBN REQUIREMENT NOTE - NEW REQUIREMENT.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZAU, RFD APP CON, AMGR

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

DEVELOPED BY

KELLY DEAN

Digitally signed by
KELLY D DEAN

Aug 21, 2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
DONALD H LANIER
Aug 24, 2018

OFFICE

OFFICE

AJV-5431

OFFICE

AJV-5430

DATE

DATE

08/10/2018

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRFD
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	421221.1225N
LTP/FTP LONGITUDE	0890518.7910W
LTP/FTP ELLIPSOIDAL HEIGHT	+00191
FPAP LATITUDE	421052.3885N
FPAP LONGITUDE	0890530.1320W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0248
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BFBEE355
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02243
FPAP ORTHOMETRIC HEIGHT	+02243

