

**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 ID</u> KRFD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 2D	<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SUPERSEDED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> 2C	<u>DATED</u> 08/13/2020	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
BULLZ		JORMO		TF	FB	1.00	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. FAF: 188.44FAF: CAGRADIST FAF TO MAP: 5.38DIST 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: 0.47GS ANT:

6. MIN GP INCPT: 2500GP ALT AT FAF : CAGRA 2500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 50.0

8. MSA FROM: RW19 2600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JVL VOR/DME ON V346 EASTBOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 008.41 INBOUND.
CHART FAS OBST: 861 TRANSMISSION_LINE (17-026648) 421352N/0890459W.
CHART VDP AT 0.97 NM TO RW19.
WAAS CHANNEL # 40435
REFERENCE PATH ID: W19A
CHART: ASR.
CHART CIRCLING ICON.
LTP HAE: 191 M

MINIMUMS:

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

ALTERNATE: NA

☐

STANDARD - CAT D 800-2 1/4

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	7/8	303	1039	7/8	303	1039	7/8	303	1039	7/8	303			
LNAV MDA	1120	1	384	1120	1	384	1120	1 1/8	384	1120	1 1/8	384			
CIRCLING	1220	1	478	1280	1	538	1320	1 1/2	578	1460	2 1/4	718			

QUALITY
16
CHECKED

CHANGES - REASONS

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAM INTO AMENDMENT 2D.
2. REMOVED FEEDER FROM RFD VOR - RFD VORMON.
3. CHANGED PBN REQUIREMENTS NOTE: FROM RNP APCH TO RNP APCH - GPS - IAW 8260.19I 8-6-8B(2).
4. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RFD VOR/DME AIRWAY RADIALS 301 CW 073 - RFD VORMON.
5. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BULLZ ON T265 NORTH BOUND - BULLZ NOT ON T265.
6. CHANGED CHART PLANVIEW NOTE: FROM "PROCEDURE NA FOR ARRIVAL ON JVL VOR/DME AIRWAY RADIALS 147 CW 189" TO "PROCEDURE NA FOR ARRIVAL AT JVL VOR/DME ON V346" - V346 ONLY AIRWAY LEFT AFTER RFD VOR MON DECOM.
7. LOWERED LNAV/VNAV VIS ALL CATS FROM 1 SM TO 7/8 SM - NEW OBSTACLE EVALUATION, UPDATED VISCHECK IAW 8260.3D TABLE 3-3-1.
8. CRC REMAINDER UPDATED FROM BFBEE355 TO DC1AC888 - UPDATED FPAF COORDINATES AND VAL FROM 50.0 TO 35.0.

COORDINATED WITH:

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

FLIGHT CHECKED BY*Digitally signed by***OFFICE****DATE**

SCOTT WIEBE

DONALD H LANIER

FICO

07/13/2021

Aug 05, 2021

*Digitally signed by***DEVELOPED BY****OFFICE****DATE**

DONALD H. LANIER (RICHARD CHRISTENSEN)

DONALD H LANIER

AJV-A431

05/14/2021

Aug 05, 2021

APPROVED BY**OFFICE****DATE****TITLE**
MANAGER

LONNIE EVERHART

*Digitally signed by***DONALD H LANIER**

AJV-A430

Aug 05, 2021

QUALITY
16
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
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	+01910
FPAP LATITUDE	421052.3880N
FPAP LONGITUDE	0890530.1305W
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)	35.0
CRC REMAINDER	DC1AC888

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02243
FPAP ORTHOMETRIC HEIGHT	+02243

