

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW19 CLIMB TO 2500 DIRECT CONAN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 005.41 INBOUND. CHART FAS OBST: 861 T-L TWR 421352N/0890459W CHART: ASR. DISTANCE TO THLD FROM 200 HATH: 0.47 NM. CHART VDP AT 0.97 MILES TO RW19* *LNAV ONLY. WAAS CHANNEL # 40435 REFERENCE PATH ID: W19A LTP HAE: 191 M											
RFD VOR/DME	WAGET (FO)	028.66 / 12.71	2600												
BULLZ	JORMO (FB)	259.95 / 7.23	2500												
JVL VOR/DME (IAF)	WAGET (NOPT) (FB)	167.72 / 9.00	2500												
PAPOW (IAF)	WAGET (NOPT) (FB)	106.26 / 11.97	2500												
JORMO (IAF)	WAGET (NOPT) (FB)	255.54 / 6.00	2500												
WAGET (IF/IAF)	CAGRA (FB)	185.45 / 7.00	2500												
CAGRA (FAF)	JUNUP/1.60 NM TO RW19 (FB)	185.44 / 3.78													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 0E EPOCH YEAR: 1990											
2. HOLD N WAGET, RT, 185.45 INBOUND, 2500 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>185.44</u> FAF: <u>CAGRA</u> DIST FAF TO MAP: <u>5.38</u> THLD: <u>5.38</u>															
4. MIN. ALT: WAGET 2500, CAGRA 2500, JUNUP/1.60 NM TO RW19 1280*															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>CAGRA 2500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS CLEAR															
8. MSA FROM: <u>RW19 2600</u>															
MINIMUMS															
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>				ALTERNATE: <u>N A</u>		STANDARD									
CATEGORY <u>=====</u> DH/MDA VIS HAT/HAA	A DH/MDA VIS HAT/HAA		B DH/MDA VIS HAT/HAA		C DH/MDA VIS HAT/HAA		D DH/MDA VIS HAT/HAA								
		E													
LPV DA	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	1280	1	538	1320	1 1/2	578	1460	2 1/4	718			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON JVL VOR/DME AIRWAY RADIALS 147 CW 189. (SEE FORM 8260-10)															
CITY AND STATE CHICAGO/ROCKFORD, IL				ELEVATION: 742 THRE: 736 AIRPORT NAME: CHICAGO/ROCKFORD INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 2 3 APRIL 2014				SUP: AMDT: 1 DATED 01/13/2011	



RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JUNUP/1.60 NM TO RW19	RW19 (MAP) (FO)	185.44 / 1.60	
RW19 (MAP)	936 MSL	185.44	
936 MSL	CONAN (FO)		2500

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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.

QUALITY
6
CHECKED

CITY AND STATE

CHICAGO/ROCKFORD, IL

ELEVATION: 742

THRE: 736

AIRPORT NAME:

CHICAGO/ROCKFORD INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, AMDT 2

3 APRIL 2014

SUP:

AMDT: 1

DATED: 01/13/2011

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

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	+01910
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

QUALITY
6
CHECKED

CITY AND STATE

CHICAGO/ROCKFORD, IL

ELEVATION: 742

THRE: 736

AIRPORT NAME:

CHICAGO/ROCKFORD INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, AMDT 2

3 APRIL 2014

SUP:

AMDT: 1

DATED: 01/13/2011

Bearings, headings, courses, 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 in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KRFDK5FR19	ABULLZ	010BULLZK5EA0E	IF						18000		A	JS	
SUSAP	KRFDK5FR19	ABULLZ	020JORMOK5EA0E	A	020TF		26000072	+	02500			A	JS	
SUSAP	KRFDK5FR19	ABULLZ	030WAGETK5EA0EE	B	010TF		25550060	+	02500			A	JS	
SUSAP	KRFDK5FR19	AJVL	010JVL K5D 0V	A	IF					18000		A	JS	
SUSAP	KRFDK5FR19	AJVL	020WAGETK5EA0EE	B	010TF		16770090	+	02500			A	JS	
SUSAP	KRFDK5FR19	APAPOW	010PAPOWK5EA0E	A	IF					18000		A	JS	
SUSAP	KRFDK5FR19	APAPOW	020WAGETK5EA0EE	B	010TF		10630120	+	02500			A	JS	
SUSAP	KRFDK5FR19	ARFD	010RFD K5D 0V	IF						18000		A	JS	
SUSAP	KRFDK5FR19	ARFD	020WAGETK5EA0EY		020TF		02870127	+	02600			A	JS	
SUSAP	KRFDK5FR19	ARFD	030WAGETK5EA0EE	AR	HF		18550040	+	02500			A	JS	
SUSAP	KRFDK5FR19	R	010WAGETK5EA0E	I	IF			+	02500	18000		A	JS	
SUSAP	KRFDK5FR19	R	020CAGRAK5EA1E	F	051TF		18550070	+	02500		RW19	K5PGA	JS	
SUSAP	KRFDK5FR19	R	020CAGRAK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP	KRFDK5FR19	R	021JUNUPK5EA0E	S	031TF		18540038	V	0128001295		-300		A	JS
SUSAP	KRFDK5FR19	R	030RW19 K5PGOGY	M	031TF		18540016		00786		-300		A	JS
SUSAP	KRFDK5FR19	R	040		0 M	CA	1854	+	00936				A	JS
SUSAP	KRFDK5FR19	R	050CONANK5EA0EY		DF			+	02500				A	JS
SUSAP	KRFDK5FR19	R	060CONANK5EA0EE	R	HM		00540040	+	02500				A	JS

QUALITY
6
CHECKED

QUALITY
6
CHECKER

FAA FORM 8260 - 10 / April 2006 (Computer Generated)

Bearings, headings, courses, 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 in feet RVR.

[illegible]

QUALITY
6
CHECKED

CITY AND STATE CHICAGO/ROCKFORD, IL	ELEVATION: 742 THRE: 736 AIRPORT NAME: CHICAGO/ROCKFORD INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 2 3 APRIL 2014	SUP:
				AMDT: 1
				DATED: 01/13/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BULLZ	BULLZ	010		IF		FB					
	BULLZ	JORMO	020	IAF	TF		FB	2.0	260.0 (260.0T)	007.2	AA 02500	
	BULLZ	WAGET	030		TF		FB	1.0	255.5 (255.5T)	006.0	AA 02500	
	JVL	JVL	010	IAF	IF		FB					
	JVL	WAGET	020		TF		FB	1.0	167.7 (167.7T)	009.0	AA 02500	
	PAPOW	PAPOW	010	IAF	IF		FB					
	PAPOW	WAGET	020		TF		FB	1.0	106.3 (106.3T)	012.0	AA 02500	
	RFD	RFD	010		IF		FB					
	RFD	WAGET	020		TF		FO	2.0	028.7 (028.7T)	012.7	AA 02600	
	RFD	WAGET	030	IAF	HF	R	FO		185.5 (185.5T)	004.0	AA 02500	
		WAGET	010	FACF	IF		FB				AA 02500	
		CAGRA	020	FAF	TF		FB	0.5	185.5 (185.5T)	007.0	AA 02500	
		JUNUP	021	SDF	TF		FB	0.3	185.4 (185.4T)	003.8	AA 01280 GS 01295	
		RW19	030	MAP	TF		FO	0.3	185.4 (185.4T)	001.6	AT 00786	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		185.4 (185.4T)		AA 00936	
	CONAN	050		DF		FO				AA 02500	
	CONAN	060		HM	R	FO		005.4 (005.4T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JVL	N423328.83	W0890618.93	N4233.481	W08906.316
	RFD	N421332.08	W0891157.38	N4213.535	W08911.956
	BULLZ	N422727.26	W0884616.67	N4227.454	W08846.278
	CAGRA	N421742.75	W0890437.61	N4217.713	W08904.627
	CONAN	N415835.50	W0890703.98	N4158.592	W08907.066
	JORMO	N422611.18	W0885553.36	N4226.186	W08855.889
	JUNUP	N421356.73	W0890506.56	N4213.946	W08905.109
	PAPOW	N422803.16	W0891914.46	N4228.053	W08919.241
	WAGET	N422440.99	W0890343.86	N4224.683	W08903.731
	RW19	N421221.12	W0890518.79	N4212.352	W08905.313

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	00736	50



CITY AND STATE CHICAGO/ROCKFORD, IL	ELEVATION: 742	THRE: 736	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 19, AMDT 2	AMDT: 1
	CHICAGO/ROCKFORD INTL	RNAV		3 APRIL 2014	DATED: 01/13/2011