

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
WOCZ (IF/IAF)	VUHM (FB)	182.08 / 6.10	2600	LP: RW18 LNAV: RW18			
VUHM (FAF)	UCMOZ/2.50 NM TO RW18 (FB)	182.07 / 2.61		CLIMB TO 2600 DIRECT OUTTA AND HOLD.			
UCMOZ/2.50 NM TO RW18	RW18 (MAP) (FO)	182.07 / 2.50					
RW18 (MAP)	1320 MSL	182.07					
1320 MSL	OUTTA (FO)		2600	ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.06 INBOUND. CHART FAS OBST: 1097 TK 382259N/0932010W WAAS CHANNEL # 97735 REFERENCE PATH ID: W18A VUHM TO RW18: 3.00/40. CHART CIRCLING ICON LTP HAE: 251.9 M			

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD N WOCZ, RT, 182.08 INBOUND, 2600 FT. IN LIEU OF PT (IAF)					
3. FAC: 182.07 FAF: VUHM		DIST FAF TO MAP: 5.11 THLD: 5.11			
4. MIN. ALT: WOCZ 2600, VUHM 2600, UCMOZ/2.50 NM TO RW18 1760					
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	100 HAT: GS ANT:
6. MIN GS INCRPT:		GS ALT AT:	OM:	MM:	IM:
7. GS ANGLE:		TCH: 34:1 IS NOT CLEAR			
8. MSA FROM:		MAG VAR: 1E EPOCH YEAR: 2015			

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X			
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1320	1	387	1320	1	387	1320	1 1/8	387	1320	1 1/8	387			
LNAV MDA	1360	1	427	1360	1	427	1360	1 1/4	427	1360	1 1/4	427			
CIRCLING	1360	1	424	1400	1	464	1580	1 3/4	644	1580	2	644			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLINTON ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. INCREASE LP/LNAV CAT C/D VISIBILITY TO 1 3/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CITY AND STATE	ELEVATION: 936 THRE: 933	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD NO./EFFECTIVE DATE:	SUP:
WARSAW, MO	AIRPORT NAME: WARSAW MUNI		RNAV (GPS) RWY 18, ORIG 13 NOVEMBER 2014	AMD: NONE
				DATED

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.

TAA

	FROM	TO	ALT
1.	092/30 CW 272/30 (NOPT)	092/12 CW 272/12	3900
	092/12 CW 272/12	WOCZ (IF/IAF) (FB)	2600
2.	272/30 CW 092/30	WOCZ (IF/IAF) (FO)	2900

CITY AND STATE

WARSAW, MO

ELEVATION: 936

THRE: 933

AIRPORT NAME:

WARSAW MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

13 NOVEMBER 2014

SUP:

AMDT: NONE

DATED:

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.

EAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRAW
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	382111.9900N
LTP/FTP LONGITUDE	0932042.0500W
LTP/FTP ELLIPSOIDAL HEIGHT	+02519
FPAP LATITUDE	381942.9200N
FPAP LONGITUDE	0932048.1100W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 0489A038

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02843
FPAP ORTHOMETRIC HEIGHT	+02843

CITY AND STATE WARSAW, MO	ELEVATION: 936 THRE: 933 AIRPORT NAME: WARSAW MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 13 NOVEMBER 2014	SUP:
				AMDT: NONE
				DATED:

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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 PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KRAWK3FR18	AWOCAZ	010WCAZK3EA0EE	AR	HF			18210040	+	02600	18000		A	JS
SUSAP KRAWK3FR18	R	010WCAZK3EA0E	I	IF				+	02600	18000		A	JS
SUSAP KRAWK3FR18	R	020VUHMYK3EA1E	F	051TF			18210061	+	02600			A	JS
SUSAP KRAWK3FR18	R	020VUHMYK3EA2WALP			N	ALNAV							JS
SUSAP KRAWK3FR18	R	021UCMOZK3EA0E	S	031TF			18210026	V	0176001769	-300		A	JS
SUSAP KRAWK3FR18	R	030RW18 K3PGOGY	M	031TF			18210025		00973	-300		A	JS
SUSAP KRAWK3FR18	R	040		0 M	CA		1821	+	01320			A	JS
SUSAP KRAWK3FR18	R	0500UTTAK3EA0EY		DF				+	02600			A	JS
SUSAP KRAWK3FR18	R	0600UTTAK3EA0EE	R	HM			00210040	+	02600			A	JS

[illegible][illegible]

CITY AND STATE
WARSAW, MO

ELEVATION: 936	THRE: 933
AIRPORT NAME:	WARSAW MUNI

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 18, ORIG
 13 NOVEMBER 2014

SUP:	
AMDT:	NONE
DATED:	

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
	WOCAZ	WOCAZ	010	IAF	HF	R	FO		182.1(183.1T)	004.0	AA 02600	
		WOCAZ	010	FACF	IF		FB				AA 02600	
		VUHMY	020	FAF	TF		FB	0.5	182.1(183.1T)	006.1	AA 02600	
		UCMOZ	021	SDF	TF		FB	0.3	182.1(183.1T)	002.6	AA 01760 GS 01769	
		RW18	030	MAP	TF		FO	0.3	182.1(183.1T)	002.5	AT 00973	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		182.1(183.1T)		AA 01320	
	OUTTA	050		DF		FO				AA 02600	
	OUTTA	060		HM	R	FO		002.1(003.1T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OUTTA	N380919.55	W0932130.45	N3809.326	W09321.508
	UCMOZ	N382341.93	W0932031.83	N3823.699	W09320.531
	VUHMY	N382618.48	W0932021.15	N3826.308	W09320.353
	WOCAZ	N383224.32	W0931956.14	N3832.405	W09319.936
	RW18	N382111.99	W0932042.05	N3821.200	W09320.701

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00933		40

CITY AND STATE WARSAW, MO	ELEVATION: 936	THRE: 933	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 18, ORIG	AMDT: NONE
	WARSAW MUNI		RNAV	13 NOVEMBER 2014	DATED: