

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: RW31 CLIMB TO 3100 DIRECT FETGI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 134.33 INBOUND. CHART FAS OBST: 1758 COMM TWR 433654N/0945748W DISTANCE TO THLD FROM 250 HATH: 0.66 NM. WAAS CHANNEL # 65932 REFERENCE PATH ID: W31A CHART CIRCLING ICON LTP HAE: 413.2 M											
FRM VOR/DME	WIPLY (FB)	249.83 / 11.34	4200												
WIPLY (IAF)	MCQIN (NOPT) (FB)	225.88 / 8.00	4200												
GRUVE (IAF)	MCQIN (NOPT) (FB)	008.58 / 9.36	4200												
MCQIN (IF/IAF)	DEELE (FB)	314.56 / 6.13	3100												
DEELE (FAF)	RW31 (MAP) (FO)	314.50 / 5.07													
RW31 (MAP)	1696 MSL	314.50													
1696 MSL	FETGI (FO)		3100												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 4E EPOCH YEAR: 2000											
2. HOLD SE MCQIN, RT, 314.56 INBOUND, 4200 FT. IN LIEU OF PT (IAF)															
3. FAC: 314.50 FAF: DEELE DIST FAF TO MAP: <u>5.07</u> THLD: <u>5.07</u>															
4. MIN. ALT: MCQIN 3100, MCQIN 4200, DEELE 3100															
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>3100</u> GS ALT AT: DEELE 3100 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: 40.0 34:1 IS NOT CLEAR															
8. MSA FROM: RW31 3100															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		@									
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
LPV DA	1696	1	250	1696	1	250	1696	1	250			NA			
LNAV/VNAV DA	1889	1 1/2	443	1889	1 1/2	443	1889	1 1/2	443			NA			
LNAV MDA	1980	1	534	1980	1	534	1980	1 1/2	534			NA			
CIRCLING	2100	1	653	2100	1	653	2180	2	733			NA			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING WINDOM ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING IS NOT RECEIVED, USE WINDOM ALTIMETER SETTING: INCREASE ALL DA 44 FT AND ALL MDA 60 FT; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, LNAV AND (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1447 THRE: 1446		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
JACKSON, MN		AIRPORT NAME: JACKSON MUNI				RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013				AMDT: ORIG					
										DATED 02/14/2008					

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

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NOTES, (CONT.):

CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FRM VOR/DME AIRWAY RADIALS 221 CW 263.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRUVE ON V120 NORTHWEST BOUND.

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).



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				AMDT: ORIG
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RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMJQ
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	433848.6770N
LTP/FTP LONGITUDE	0945857.3655W
LTP/FTP ELLIPSOIDAL HEIGHT	+04132
FPAP LATITUDE	433955.3580N
FPAP LONGITUDE	0950018.7850W
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	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

5E9F2E2F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04407
FPAP ORTHOMETRIC HEIGHT	+04407

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMJQK3FR31	AFRM	010FRM	K3D	OV	IF				18000		A	JS
SUSAP	KMJQK3FR31	AFRM	020WIPLYK3EA0E	A	020TF		24980113	+	04200			A	JS
SUSAP	KMJQK3FR31	AFRM	030MCQINK3EA0EE	B	010TF		22590080	+	04200			A	JS
SUSAP	KMJQK3FR31	AGRUVE	010GRUVEK3EA0E	A	IF					18000		A	JS
SUSAP	KMJQK3FR31	AGRUVE	020MCQINK3EA0EE	B	010TF		00860094	+	04200			A	JS
SUSAP	KMJQK3FR31	AMCQIN	010MCQINK3EA0EE	AR	HF		31460050	+	04200	18000		A	JS
SUSAP	KMJQK3FR31	R	010MCQINK3EA0E	I	IF			+	03100	18000		A	JS
SUSAP	KMJQK3FR31	R	020DEELEK3EA1E	F	051TF		31460061	+	03100		RW31	K3PGA	JS
SUSAP	KMJQK3FR31	R	020DEELEK3EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KMJQK3FR31	R	030RW31	K3PG0GY	M	031TF	31450051		01486	-300		A	JS
SUSAP	KMJQK3FR31	R	040		0	M	CA	3145	+	01696		A	JS
SUSAP	KMJQK3FR31	R	050FETGIK3EA0EY		DF			+	03100			A	JS
SUSAP	KMJQK3FR31	R	060FETGIK3EA0EE	R	HM		13430040	+	03100			A	JS

[illegible][illegible]

CITY AND STATE JACKSON, MN	ELEVATION: 1447 THRE: 1446 AIRPORT NAME: JACKSON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	SUP:
				AMDT: ORIG
				DATED: 02/14/2008

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

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SUSAP KMJQK3PR31 RW31 001 0000W31A0N4338486770W09458573655+041320300N4339553580W09500187850106751656000400F4005005E9F2E2F
 SUSAP KMJQK3PR31 RW31 002E +04407+04407LPV 65932

	1	2	3	4	5	6	7	8	9	0	1	2	3	
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													

SUSAP KMJQK3SRW31 K3PG	0	18018003125												M

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	AIRPORT NAME: JACKSON MUNI		RNAV (GPS) RWY 31, AMDT 1	AMDT: ORIG
			22 AUGUST 2013	DATED: 02/14/2008

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
FRM		FRM	010		IF		FB					
FRM		WIPLY	020	IAF	TF		FB	2.0	249.8 (253.8T)	011.3	AA 04200	
FRM		MCQIN	030		TF		FB	1.0	225.9 (229.9T)	008.0	AA 04200	
GRUVE		GRUVE	010	IAF	IF		FB					
GRUVE		MCQIN	020		TF		FB	1.0	008.6 (012.6T)	009.4	AA 04200	
MCQIN		MCQIN	010	IAF	HF	R	FO		314.6 (318.6T)	005.0	AA 04200	
		MCQIN	010	FACF	IF		FB				AA 03100	
		DEELE	020	FAF	TF		FB	0.5	314.6 (318.6T)	006.1	AA 03100	
		RW31	030	MAP	TF		FO	0.3	314.5 (318.5T)	005.1	AT 01486	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		314.5 (318.5T)		AA 01696	
	FETGI	050		DF		FO				AA 03100	
	FETGI	060		HM	R	FO		134.3 (138.3T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FRM	N433845.54	W0942521.17	N4338.759	W09425.353
	DEELE	N433500.99	W0945419.88	N4335.017	W09454.331
	FETGI	N434738.67	W0950946.48	N4347.645	W09509.775
	GRUVE	N432116.91	W0945133.12	N4321.282	W09451.552
	MCQIN	N433025.33	W0944844.97	N4330.422	W09448.750
	WIPLY	N433535.05	W0944020.51	N4335.584	W09440.342
	RW31	N433848.68	W0945857.37	N4338.811	W09458.956

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01446	40

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