

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		LPV: DA LNAV/VNAV: DA LNAV: RW31										
WASPS		JILUL (FO)			150.00 / 15.74			3500		CLIMB TO 3500 DIRECT JAVUT AND HOLD.										
GRASS		IWTEN (FB)			106.86 / 12.48			3600												
ERIYI (IAF)		JILUL (NOPT) (FB)			340.48 / 20.77			3500												
IWTEN (IAF)		JILUL (NOPT) (FB)			042.58 / 9.00			3500												
JILUL (IF/IAF)		OPITE (FB)			312.68 / 6.90			2600												
OPITE (FAF)		RW31 (MAP) (FO)			312.59 / 5.50					ADDITIONAL FLIGHT DATA: HOLD NW, RT, 132.34 INBOUND. FAS OBST: 969 AAO 462842N/0904938W DISTANCE TO THLD FROM 250 HATH: 0.67 NM. CHART VDP AT 1.23 MILES TO RW31" *LNAV ONLY. WAAS CHANNEL # 65807 REFERENCE PATH ID: W31A CHART CIRCLING ICON LTP HAE: 215.5 M										
RW31 (MAP)		1060 MSL			312.59															
1060 MSL		JAVUT (FO)						3500												
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										MAG VAR: 2W EPOCH YEAR: 2015										
2. HOLD SE JILUL, RT, 312.68 INBOUND, 3500 FT. IN LIEU OF PT (IAF)																				
3. FAC: 312.59 FAF: OPITE DIST FAF TO MAP: 5.50 THLD: 5.50																				
4. MIN. ALT: JILUL 3500, OPITE 2600																				
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:																				
6. MIN GS INCPT: 2600 GS ALT AT: OPITE 2600 OM: MM: IM:																				
7. GS ANGLE: 3.00 TCH: 37.1 34:1 IS NOT CLEAR																				
8. MSA FROM: RW31 3100																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @											
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	1060	7/8	250	1060	7/8	250	1060	7/8	250	1060	7/8	250								
LNAV/VNAV DA	1108	1	298	1108	1	298	1108	1	298	1108	1	298								
LNAV MDA	1240	1	430	1240	1	430	1240	1 1/4	430	1240	1 1/4	430								
CIRCLING	1240	1	413	1280	1	453	1440	1 3/4	613	1560	2 1/4	733								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -28C (-18F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WASPS ON V191-430 WESTBOUND. (SEE FORM 8260-10)																				
CITY AND STATE		ELEVATION: 827 THRE: 810		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:								
ASHLAND, WI				JOHN F KENNEDY MEMORIAL		RNAV		RNAV (GPS) RWY 31, AMDT 1 2 MAY 2013				AMDT: ORIG DATED 06/05/2008								

## RNAV - STANDARD

## INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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## NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ERIYI ON V413 SOUTHWEST BOUND.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING IRONWOOD ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IRONWOOD ALTIMETER SETTING AND INCREASE

ALL DAS 132 FEET AND ALL MDAS 140 FEET; INCREASE LPV ALL CATS AND LNAV CAT C/D VISIBILITY 3/8

MILE, LNAV/VNAV ALL CATS AND CIRCLING CAT C/D VISIBILITY 1/2 MILE.

CITY AND STATE

ASHLAND, WI

ELEVATION: 827

THRE: 810

AIRPORT NAME:

JOHN F KENNEDY MEMORIAL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 1

2 MAY 2013

SUP:

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DATED: 06/05/2008

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	KASX
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	463250.4995N
LTP/FTP LONGITUDE	0905438.5645W
LTP/FTP ELLIPSOIDAL HEIGHT	+02155
FPAP LATITUDE	463348.3600N
FPAP LONGITUDE	0905616.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00037.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1688
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

1ACBA980

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02469
FPAP ORTHOMETRIC HEIGHT	+02469

CITY AND STATE

ASHLAND, WI

ELEVATION: 827

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AIRPORT NAME:

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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 1

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WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEARNRT	ERIYI	K50	C	L	N46052785W090300050			W0020	NAR		ERIYI		
SUSAEARNRT	GRASS	K50	C	L	N46211012W091065288			W0015	NAR		GRASS		
SUSAEARNRT	IWTEN	K50	W		N46175679W090492882			W0017	NAR		IWTEN		
SUSAEARNRT	JAVUT	K50	W		N46413423W091093083			W0015	NAR		JAVUT		
SUSAEARNRT	JILUL	K50	W		N46244648W090410115			W0019	NAR		JILUL		
SUSAEARNRT	OPITE	K50	W		N46291584W090483521			W0018	NAR		OPITE		
SUSAEARNRT	WASPS	K50	R	L	N46380769W090530447			W0017	NAR		WASPS		

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KASXK5FR31	AERIYI	010ERIYIK5EA0E	A	IF					18000		A	JS
SUSAP	KASXK5FR31	AERIYI	020JILULK5EA0EE	B	010TF		34050208	+	03500			A	JS
SUSAP	KASXK5FR31	AGRASS	010GRASSK5EA0E		IF					18000		A	JS
SUSAP	KASXK5FR31	AGRASS	020IWTK5EA0E	A	020TF		10690125	+	03600			A	JS
SUSAP	KASXK5FR31	AGRASS	030JILULK5EA0EE	B	010TF		04260090	+	03500			A	JS
SUSAP	KASXK5FR31	AWASPS	010WASPSK5EA0E		IF					18000		A	JS
SUSAP	KASXK5FR31	AWASPS	020JILULK5EA0EY		020TF		15000157	+	03500			A	JS
SUSAP	KASXK5FR31	AWASPS	030JILULK5EA0EE	AR	HF		31270040	+	03500			A	JS
SUSAP	KASXK5FR31	R	010JILULK5EA0E	I	IF			+	03500	18000		A	JS
SUSAP	KASXK5FR31	R	020OPITEK5EA1E	F	051TF		31270069	+	02600		RW31	K5PGA	JS
SUSAP	KASXK5FR31	R	020OPITEK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KASXK5FR31	R	030RW31	K5PGOGY	M	031TF	31260055		00847	-300		A	JS
SUSAP	KASXK5FR31	R	040		O	M	CA	3126	+	01060		A	JS
SUSAP	KASXK5FR31	R	050JAVUTK5EA0EY		DF			+	03500			A	JS
SUSAP	KASXK5FR31	R	060JAVUTK5EA0EE		R	HM	13230040	+	03500			A	JS

[illegible][illegible]

SUP:	
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[illegible]

CITY AND STATE ASHLAND, WI	ELEVATION: 827 THRE: 810 AIRPORT NAME: JOHN F KENNEDY MEMORIAL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1 2 MAY 2013	SUP:
				AMDT:      ORIG
				DATED:    06/05/2008

**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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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ERIYI	ERIYI	010	IAF	IF		FB					
	ERIYI	JILUL	020		TF		FB	1.0	340.5 (338.5T)	020.8	AA 03500	
	GRASS	GRASS	010		IF		FB					
	GRASS	IWTEN	020	IAF	TF		FB	2.0	106.9 (104.9T)	012.5	AA 03600	
	GRASS	JILUL	030		TF		FB	1.0	042.6 (040.6T)	009.0	AA 03500	
	WASPS	WASPS	010		IF		FB					
	WASPS	JILUL	020		TF		FO	2.0	150.0 (148.0T)	015.7	AA 03500	
	WASPS	JILUL	030	IAF	HF	R	FO		312.7 (310.7T)	004.0	AA 03500	
		JILUL	010	FACF	IF		FB				AA 03500	
		OPITE	020	FAF	TF		FB	0.5	312.7 (310.7T)	006.9	AA 02600	
		RW31	030	MAP	TF		FO	0.3	312.6 (310.6T)	005.5	AT 00847	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		312.6 (310.6T)		AA 01060	
	JAVUT	050		DF		FO				AA 03500	
	JAVUT	060		HM	R	FO		132.3 (130.3T)	004.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ERIYI	N460527.85	W0903000.50	N4605.464	W09030.008
	GRASS	N462110.12	W0910652.88	N4621.169	W09106.881
	IWTEN	N461756.79	W0904928.82	N4617.947	W09049.480
	JAVUT	N464134.23	W0910930.83	N4641.571	W09109.514
	JILUL	N462446.48	W0904101.15	N4624.775	W09041.019
	OPITE	N462915.84	W0904835.21	N4629.264	W09048.587
	WASPS	N463807.69	W0905304.47	N4638.128	W09053.075
	RW31	N463250.50	W0905438.56	N4632.842	W09054.643

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00810	37

CITY AND STATE  
**ASHLAND, WI**

ELEVATION: **827**      THRE: **810**  
 AIRPORT NAME:  
**JOHN F KENNEDY MEMORIAL**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**RNAV (GPS) RWY 31, AMDT 1**  
**2 MAY 2013**

SUP:  
 AMDT: **ORIG**  
 DATED: **06/05/2008**