

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				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.											
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW18  CLIMB TO 3000 DIRECT DEKEY AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 004.94 INBOUND. CHART FAS OBST: 1109 TREE 430944N/0891948W CHART: ASR. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.39 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 42522 REFERENCE PATH ID: W18A CHART CIRCLING ICON. LTP HAE: 227.4 M					
RANDO (IAF)		AYECO (NOPT) (FB)		241.19 / 15.58				3000							
WREST (IAF)		AYECO (NOPT) (FB)		169.21 / 10.58				3000							
DLL VORTAC (IAF)		AYECO (NOPT) (FB)		125.97 / 22.53				3000							
AYECO (IF/IAF)		GATNE (FB)		184.94 / 3.66				2700							
GATNE		RUKIY (FB)		184.94 / 3.23				2500							
RUKIY (FAF)		RW18 (MAP) (FO)		184.94 / 4.97											
RW18 (MAP)		1064 MSL		184.94											
1064 MSL		DEKEY (FO)						3000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N AYECO, RT, 184.94 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 184.94 FAF: RUKIY DIST FAF TO MAP: 4.97 THLD: 4.97 4. MIN. ALT: AYECO 3000, GATNE 2700, RUKIY 2500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: RUKIY 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 57.3 34:1 IS CLEAR 8. MSA FROM: RW18 3600										MAG VAR: 3W EPOCH YEAR: 2020					
<b>MINIMUMS</b>															
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	1064	2400	200	1064	2400	200	1064	2400	200	1064	2400	200			
LNAV/VNAV DA	1360	1 1/4	496	1360	1 1/4	496	1360	1 1/4	496	1360	1 1/4	496			
LNAV MDA	1360	2400	496	1360	2400	496	1360	5500	496	1360	5500	496			
CIRCLING	1420	1	533	1460	1	573	1460	1 1/2	573	1700	2 3/4	813			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C @ CAT D 900-2 3/4 (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RANDO ON V9-341 NORTHEAST BOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 887 TDZE: 864				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
MADISON, WI		AIRPORT NAME:				DANE COUNTY RGNL-TRUAX FIELD		RNAV (GPS) RWY 18, AMDT 2E, 2/4/2016				AMDT: 2D			
												DATED 09/17/2015			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**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 WREST ON V177 NORTHBOUND.**

**CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 MILE AND LNAV**

**CAT C/D VISIBILITY TO 1 3/8 MILES.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DLL VORTAC AIRWAY RADIAL 140.**



CITY AND STATE

MADISON, WI

ELEVATION: 887

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DANE COUNTY RGNL-TRUAX FIELD

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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 18, AMDT 2E, 2/4/2016

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DATED: 09/17/2015

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSN
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	430852.9520N
LTP/FTP LONGITUDE	0892027.8710W
LTP/FTP ELLIPSOIDAL HEIGHT	+02274
FPAP LATITUDE	430723.8900N
FPAP LONGITUDE	0892031.9900W
THRESHOLD CROSSING HEIGHT (TCH)	00057.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 09EDF3B4

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02619
FPAP ORTHOMETRIC HEIGHT	+02619

QUALITY  
10  
CHECKED

CITY AND STATE  MADISON, WI	ELEVATION: 887 AIRPORT NAME:  DANE COUNTY RGNL-TRUAX FIELD	TDZE: 864	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 18, AMDT 2E, 2/4/2016	SUP:
					AMDT: 2D
					DATED: 09/17/2015

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33**

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ARINC SUMMARY - KMSN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
AYECO	010	AYECO	HF	FO		184.9			R			AA 03000		EE A
DLL	010	DLL	IF	FB										V A
DLL	020	AYECO	TF	FB	1.0	126.0						AA 03000		EE B
RANDO	010	RANDO	IF	FB										E A
RANDO	020	AYECO	TF	FB	1.0	241.2						AA 03000		EE B
WREST	010	WREST	IF	FB										E A
WREST	020	AYECO	TF	FB	1.0	169.2						AA 03000		EE B
	010	AYECO	IF	FB								AA 03000		E I
	011	GATNE	TF	FB	1.0	184.9						AA 02700		E
	020	RUKIY	TF	FB	1.0	184.9				RW18		AA 02500		E F
	030	RW18	TF	FO	0.3	184.9		3.00				AT 00917		GY M
	040		CA	FB		184.9						AA 01064		M
	050	DEKEY	DF	FO								AA 03000		EY
	060	DEKEY	HM	FO		004.9			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DLL	N433303.00	W0894549.04
AYECO	N432044.28	W0891954.88
DEKEY	N425644.71	W0892101.31
GATNE	N431704.78	W0892005.08
RANDO	N432858.42	W0890146.53
RUKIY	N431351.17	W0892014.06
WREST	N433100.70	W0892322.10

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N430852.95	W0892027.87	00859	57.3

QUALITY  
12  
CHECKED

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