

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: RW14 CLIMB TO 3000 DIRECT CINOT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 319.58 INBOUND. CHART FAS OBST: 1029 TREE 431011N/0892148W OBST: 1260 AAO 431253N/0892457W CHART: ASR. DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 1.18 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 86821 REFERENCE PATH ID: W14A LTP HAE: 227.3 M								
MSN VORTAC		SIDCO (FO)		319.79 / 11.11			3200										
WREST (IAF)		SIDCO (NOPT) (FB)		203.88 / 15.22			3200										
NEGUS (IAF)		SIDCO (NOPT) (FB)		082.70 / 14.12			3200										
SIDCO (IF/IAF)		UFDIM (FB)		139.32 / 6.02			2500										
UFDIM (FAF)		HIREX/1.90 NM TO RW14 (FB)		139.39 / 3.08													
HIREX/1.90 NM TO RW14 (SEE FORM 8260-10)		RW14 (MAP) (FO)		139.39 / 1.90													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW SIDCO, RT, 139.32 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: 139.39 FAF: UFDIM DIST FAF TO MAP: 4.98 THLD: 4.98 4. MIN. ALT: SIDCO 3200, UFDIM 2500, HIREX/1.90 NM TO RW14 1500* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: UFDIM 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR 8. MSA FROM: RW14 3600										MAG VAR: 3W EPOCH YEAR: 2020							
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		1111	3/4	250	1111	3/4	250	1111	3/4	250	1111	3/4	250				
LNAV/VNAV DA		1246	1 1/4	385	1246	1 1/4	385	1246	1 1/4	385	1246	1 1/4	385				
LNAV MDA		1280	1	419	1280	1	419	1280	1 1/4	419	1280	1 1/4	419				
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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WREST ON V170 EASTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MSN VORTAC AIRWAY RADIALS 231 CW 031. (CONTINUED ON PAGE 2)																	
CITY AND STATE MADISON, WI		ELEVATION: 887 TDZE: 861 AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 2E, 2/4/2016						SUP: AMDT: 2D DATED 09/17/2015				

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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW14 (MAP)	1059 MSL	139.39	
1059 MSL	CINOT (FO)		3000

NOTES, (CONT.):

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

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: DME/DME RNP-0.3 NA.

QUALITY
6
CHECKED

CITY AND STATE
MADISON, WI

ELEVATION: 887 TDZE: 861
AIRPORT NAME:
DANE COUNTY RGNL-TRUAX FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 2E, 2/4/2016

SUP:
AMDT: 2D
DATED: 09/17/2015

**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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSN
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	430849.0570N
LTP/FTP LONGITUDE	0892025.1945W
LTP/FTP ELLIPSOIDAL HEIGHT	+02273
FPAP LATITUDE	430744.4800N
FPAP LONGITUDE	0891901.3400W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1112
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 BA28A13F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02618
FPAP ORTHOMETRIC HEIGHT	+02618

QUALITY
6
CHECKED

CITY AND STATE MADISON, WI	ELEVATION: 887 AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	TDZE: 861	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, 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												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 - 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
MSN	010	MSN	IF	FB										V
MSN	020	SIDCO	TF	FO	2.0	319.8						AA 03200		EY
MSN	030	SIDCO	HF	FO		139.3			R			AA 03200		EE A
NEGUS	010	NEGUS	IF	FB										E A
NEGUS	020	SIDCO	TF	FB	1.0	082.7						AA 03200		EE B
WREST	010	WREST	IF	FB										E A
WREST	020	SIDCO	TF	FB	1.0	203.9						AA 03200		EE B
	010	SIDCO	IF	FB								AA 03200		E I
	020	UFDIM	TF	FB	1.0	139.3				RW14		AA 02500		E F
	021	HIREX	TF	FB	0.3	139.4		3.00				AA 01500 GS 01519		E S
	030	RW14	TF	FO	0.3	139.4		3.00				AT 00914		GY M
	040		CA	FB		139.4						AA 01111		M
	050	CINOT	DF	FO								AA 03000		EY
	060	CINOT	HM	FO		319.6			R			AA 03000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
MSN			N430841.41			W0892022.91								
CINOT			N425841.14			W0890718.55								
HIREX			N431011.68			W0892212.54								
NEGUS			N431417.01			W0894949.10								
SIDCO			N431646.97			W0893047.82								
UFDIM			N431225.53			W0892506.71								
WREST			N433100.70			W0892322.10								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW14		N430849.06		W0892025.19		00859		55						

CITY AND STATE MADISON, WI	ELEVATION: 887	TDZE: 861	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD		RNAV	RNAV (GPS) RWY 14, AMDT 2E, 2/4/2016	AMDT: 2D
				DATED: 09/17/2015	