

# 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								
DLH VORTAC			NETIE (FO)			074.63 / 12.43			3100		LP: RW22 LNAV: RW22  CLIMB TO 4000 DIRECT DUYAR AND ON TRACK 213.16 TO BARUM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.						
WEMAN (IAF)			NETIE (NOPT) (FB)			221.77 / 24.97			3100								
NOYIC (IAF)			NETIE (NOPT) (FB)			292.79 / 28.40			3100								
NETIE (IF/IAF)			HUVES (FB)			217.99 / 6.06			2600								
HUVES (FAF)			RW22 (MAP) (FO)			217.92 / 5.94											
RW22 (MAP)			1060 MSL			217.92					ADDITIONAL FLIGHT DATA: HOLD SW, RT, 029.82 INBOUND. CHART FAS OBST: 862 STACK 464244N/0920501W FAS OBST: 809 AAO 464500N/0920202W WAAS CHANNEL # 69429 REFERENCE PATH ID: W22A HUVES TO RW22: 3.00/50. LTP HAE: 172.9 M						
1060 MSL			DUYAR (FB)														
DUYAR			BARUM (FO)			213.16 / 9.50			4000								
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD NE NETIE, RT, 217.99 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>217.92</u> FAF: <u>HUVES</u> DIST FAF TO MAP: <u>5.94</u> THLD: <u>5.94</u> 4. MIN. ALT: NETIE 3100, HUVES 2600 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>      </u> GS ALT AT: <u>      </u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>      </u> TCH: <u>34:1</u> IS NOT CLEAR 8. MSA FROM: RW22 3100																	
										MAG VAR: 1W EPOCH YEAR: 2015							
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		
LP MDA	1060	1	400	1060	1	400	1060	1 1/8	400	1060	1 1/8	400					
LNAV MDA	1240	1	580	1240	1	580	1240	1 5/8	580	1240	1 5/8	580					
CIRCLING	1240	1	566	1240	1	566	1240	1 5/8	566	1240	2	566					
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 32 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DLH VORTAC AIRWAY RADIALS 009 CW 160. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 674 THRE: 660				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
SUPERIOR, WI				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 22, ORIG				AMDT: NONE	
				RICHARD I BONG								20 SEPTEMBER 2012				DATED	

QUALITY  
 9  
 CHECKED

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.

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SKY HARBOR ALTIMETER SETTING.

CHART NOTE: STRAIGHT-IN/CIRCLING RWY 22 PROCEDURE NA AT NIGHT.



CITY AND STATE SUPERIOR, WI	ELEVATION: 674      THRE: 660	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 20 SEPTEMBER 2012	SUP:
	AIRPORT NAME: RICHARD I BONG			AMDT:      NONE
				DATED:

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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 INFORMATIONDATA FIELDDATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KSUW  
RUNWAY RW22  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR 0  
REFERENCE PATH DATA SELECTOR W22A  
REFERENCE PATH IDENTIFIER (APPROACH ID) 464201.2365N  
LTP/FTP LATITUDE 0920517.1940W  
LTP/FTP LONGITUDE +01729  
LTP/FTP ELLIPSOIDAL HEIGHT 464049.9700N  
FPAP LATITUDE 0920634.8200W  
FPAP LONGITUDE 00050.0  
THRESHOLD CROSSING HEIGHT (TCH) F  
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00  
GLIDEPATH ANGLE (GPA) 106.75  
COURSE WIDTH AT THRESHOLD 1192  
LENGTH OFFSET 40.0  
HORIZONTAL ALERT LIMIT (HAL) 0.0  
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

748E57BA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5  
LTP ORTHOMETRIC HEIGHT +02010  
FPAP ORTHOMETRIC HEIGHT +02010



CITY AND STATE SUPERIOR, WI	ELEVATION: 674	THRE: 660	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 20 SEPTEMBER 2012	SUP:
	AIRPORT NAME: RICHARD I BONG	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 PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	DLH	K3011260VTHW	N46480780W092121032	N46480780W092121032E0050014282	NARDULUTH								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	BARUM	K50	C	L	N46314243W092150487			W0005	NAR	BARUM			
SUSAEENRT	DUYAR	K50	W		N46394496W092074556			W0007	NAR	DUYAR			
SUSAEENRT	HUVES	K30	W		N46464597W092000632			W0008	NAR	HUVES			
SUSAEENRT	NETIE	K30	W		N46513659W091544781			W0009	NAR	NETIE			
SUSAEENRT	NOYIC	K50	C	L	N46411068W091162220			W0014	NAR	NOYIC			
SUSAEENRT	WEMAN	K30	C	L	N47103295W091310237			W0013	NAR	WEMAN			

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KSUWK5ASUW	0	051YHN46412286W092054071W001000674	1800018000C	MNAR	RICHARD I BONG							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KSUWK5FR22	ADLH	010DLH	K3D 0V	IF					18000		A JS	
SUSAP	KSUWK5FR22	ADLH	020NETIEK3EA0EY	020TF		07460124	+	03100				A JS	
SUSAP	KSUWK5FR22	ADLH	030NETIEK3EA0EE	AR HF		21800040	+	03100				A JS	
SUSAP	KSUWK5FR22	ANOYIC	010NOYICK5EA0E	A IF						18000		A JS	
SUSAP	KSUWK5FR22	ANOYIC	020NETIEK3EA0EE	B 010TF		29280284	+	03100				A JS	
SUSAP	KSUWK5FR22	AWEMAN	010WEMANK3EA0E	A IF						18000		A JS	
SUSAP	KSUWK5FR22	AWEMAN	020NETIEK3EA0EE	B 010TF		22180250	+	03100				A JS	
SUSAP	KSUWK5FR22	R	010NETIEK3EA0E	I IF						18000		A JS	
SUSAP	KSUWK5FR22	R	020HUVESK3EA1E	F 051TF		21800061	+	02600			RW22	K5PGA JS	
SUSAP	KSUWK5FR22	R	020HUVESK3EA2WALP		N	ALNAV						JS	
SUSAP	KSUWK5FR22	R	030RW22	K5PGOGY M 031TF		21790059		00710		-300		A JS	
SUSAP	KSUWK5FR22	R	040	0 M CA		2179	+	01060				A JS	
SUSAP	KSUWK5FR22	R	050DUYARK5EA0E	DF								A JS	
SUSAP	KSUWK5FR22	R	060BARUMK5EA0EY	010TF		2132	+	04000				A JS	
SUSAP	KSUWK5FR22	R	070BARUMK5EA0EE	R HM		02980040	+	04000				A JS	

RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KSUWK5GRW22	0051002179	N46420124W092051719+0200	+0172900660000050075R									

CITY AND STATE <b>SUPERIOR, WI</b>	ELEVATION: <b>674</b> THRE: <b>660</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>RICHARD I BONG</b>	<b>RNAV</b>	<b>RNAV (GPS) RWY 22, ORIG</b> 20 SEPTEMBER 2012	AMDT: <b>NONE</b>
				DATED:

QUALITY  
CHECKED

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.

[illegible]

CITY AND STATE  SUPERIOR, WI	ELEVATION: 674	THRE: 660	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 22, ORIG	AMDT: NONE
	RICHARD I BONG		RNAV	20 SEPTEMBER 2012	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
DLH		DLH	010		IF		FB					
DLH		NETIE	020		TF		FO	2.0	074.6 (073.6T)	012.4	AA 03100	
DLH		NETIE	030	IAF	HF	R	FO		218.0 (217.0T)	004.0	AA 03100	
NOYIC		NOYIC	010	IAF	IF		FB					
NOYIC		NETIE	020		TF		FB	1.0	292.8 (291.8T)	028.4	AA 03100	
WEMAN		WEMAN	010	IAF	IF		FB					
WEMAN		NETIE	020		TF		FB	1.0	221.8 (220.8T)	025.0	AA 03100	
		NETIE	010	FACF	IF		FB				AA 03100	
		HUVES	020	FAF	TF		FB	0.5	218.0 (217.0T)	006.1	AA 02600	
		RW22	030	MAP	TF		FO	0.3	217.9 (216.9T)	005.9	AT 00710	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		217.9 (216.9T)		AA 01060	
	DUYAR	050		DF		FB					
	BARUM	060		TF		FO	1.0	213.2 (212.2T)		AA 04000	
	BARUM	070		HM	R	FO		029.8 (028.8T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DLH	N464807.80	W0921210.32	N4648.130	W09212.172
	BARUM	N463142.43	W0921504.87	N4631.707	W09215.081
	DUYAR	N463944.96	W0920745.56	N4639.749	W09207.759
	HUVES	N464645.97	W0920006.32	N4646.766	W09200.105
	NETIE	N465136.59	W0915447.81	N4651.610	W09154.797
	NOYIC	N464110.68	W0911622.20	N4641.178	W09116.370
	WEMAN	N471032.95	W0913102.37	N4710.549	W09131.040
	RW22	N464201.24	W0920517.19	N4642.021	W09205.287

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00660	50



CITY AND STATE <b>SUPERIOR, WI</b>	ELEVATION: <b>674</b>	THRE: <b>660</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 22, ORIG</b> 20 SEPTEMBER 2012	SUP:
	AIRPORT NAME: <b>RICHARD I BONG</b>				AMDT: <b>NONE</b>
					DATED: