

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
SHART	LAYID (FB)	183.03 / 18.54	3500	LPV: DA LNAV/VNAV: DA LNAV: RW14	
TKO VORTAC	YONUJ (FO)	002.78 / 23.23	3500	CLIMB TO 3300 DIRECT WUPAP AND HOLD.	
FAZED	YONUJ (FO)	298.67 / 28.92	3900		
LAYID (IAF)	YONUJ (NOPT) (FB)	139.86 / 5.00	3500	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 320.06 INBOUND. CHART FAS OBST: 1799 TREE 400527N/0980629W DISTANCE TO THLD FROM 334 HATH: 0.92 NM. WAAS CHANNEL # 53428 REFERENCE PATH ID: W14A CHART HEBRON AWOS-3 LTP HAE: 489.5 M	
YONUJ (IF/IAF)	HUKMI (FB)	139.90 / 5.00	3400		
HUKMI (FAF)	ZIDUT/3.00 NM TO RW14 (FB)	139.94 / 2.24			
(SEE FORM 8260-10)					

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW YONUJ, RT, 139.90 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
- FAC: 139.94 FAF: HUKMI DIST FAF TO MAP: 5.24 THLD: 5.24
- MIN. ALT: YONUJ 3500, HUKMI 3400, ZIDUT/3.00 NM TO RW14 2680*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3400 GS ALT AT: HUKMI 3400 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM: RW14 3900

MAG VAR: 5E EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N		A		X					
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	2026	1 1/8	334	2026	1 1/8	334	2026	1 1/8	334							
LNAV/VNAV DA	2026	1 1/8	334	2026	1 1/8	334	2026	1 1/8	334							
LNAV MDA	2140	1	448	2140	1	448	2140	1 3/8	448							
CIRCLING	2360	1	668	2360	1	668	2360	1 3/4	668			NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: BARO-VNAV NA.
 CHART NOTE: USE HEBRON ALTIMETER SETTING, WHEN NOT RECEIVED USE HASTINGS ALTIMETER SETTING AND
 (SEE FORM 8260-10)



CITY AND STATE SUPERIOR, NE	ELEVATION: 1692 THRE: 1692	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 31 MAY 2012	SUP:
	AIRPORT NAME: SUPERIOR MUNI			AMDT: NONE
				DATED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZIDUT/3.00 NM TO RW14	RW14 (MAP) (FO)	139.96 / 3.00	
RW14 (MAP)	2026 MSL	139.96	
2026 MSL	WUPAP (FO)		3300

NOTES, (CONT.):

INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET, INCREASE LPV AND LNAV/VNAV CATS A/B/C VISIBILITY TO 1 1/4, INCREASE CIRCLING CAT C VISIBILITY TO 2.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHART ON V50 WESTBOUND.
 *LNAV ONLY.
 CHART NOTE: CIRCLING TO RWY 18/36 NA AT NIGHT..

QUALITY
2
CHECKED

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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	12K
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	400301.8510N
LTP/FTP LONGITUDE	0980350.0090W
LTP/FTP ELLIPSOIDAL HEIGHT	+04895
FPAP LATITUDE	400148.8200N
FPAP LONGITUDE	0980243.4500W
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	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 7FECB897

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05156
FPAP ORTHOMETRIC HEIGHT	+05156

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ARINC PACKET - 424-8 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAD	TKO	K3010980VTL	N39482305W098153609		N39482305W098153609E0100018801		NARMANKATO						

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAEENRT	FAZED K30	R L	N39552668W097400590			E0044	NAR		FAZED				
SUSAEENRT	HUKMI K30	W	N40071941W098074516			E0047	NAR		HUKMI				
SUSAEENRT	LAYID K30	W	N40153066W098151536			E0048	NAR		LAYID				
SUSAEENRT	SHART K30	R L	N40335272W098115239			E0047	NAR		SHART				
SUSAEENRT	WUPAP K30	W	N39541070W097554690			E0046	NAR		WUPAP				
SUSAEENRT	YONUWY K30	W	N40112510W098113003			E0047	NAR		YONUWY				
SUSAEENRT	ZIDUT K30	W	N40052935W098060460			E0047	NAR		ZIDUT				

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAP	12K K3A12K	0	043YHN40024632W098034052E005001692			1800018000C	MNAR		SUPERIOR MUNI				

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAP	12K K3FR14	AFAZED	010FAZEDK3EA0E	IF					18000			A JS	
SUSAP	12K K3FR14	AFAZED	020YONUWYK3EA0EY	020TF		29870289	+ 03900					A JS	
SUSAP	12K K3FR14	AFAZED	030YONUWYK3EA0EE AR	HF		13990040	+ 03500					A JS	
SUSAP	12K K3FR14	ASHART	010SHARTK3EA0E	IF					18000			A JS	
SUSAP	12K K3FR14	ASHART	020LAYIDK3EA0E	A 020TF		18300185	+ 03500					A JS	
SUSAP	12K K3FR14	ASHART	030YONUWYK3EA0EE B	010TF		13990050	+ 03500					A JS	
SUSAP	12K K3FR14	ATKO	010TKO K3D 0V	IF					18000			A JS	
SUSAP	12K K3FR14	ATKO	020YONUWYK3EA0EY	020TF		00280232	+ 03500					A JS	
SUSAP	12K K3FR14	ATKO	030YONUWYK3EA0EE AR	HF		13990040	+ 03500					A JS	
SUSAP	12K K3FR14	R	010YONUWYK3EA0E I	IF					18000			A JS	
SUSAP	12K K3FR14	R	020HUKMIK3EA1E	F 051TF		13990050	+ 03400				RW14 K3PGA	JS	
SUSAP	12K K3FR14	R	020HUKMIK3EA2WALPV	ALNAV/VNAV ALNAV								JS	
SUSAP	12K K3FR14	R	021ZIDUTK3EA0E S	031TF		13990022	V 0268002687			-300		A JS	
SUSAP	12K K3FR14	R	030RW14 K3PG0GY M	031TF		14000030	01732			-300		A JS	
SUSAP	12K K3FR14	R	040 0 M CA			1400	+ 02026					A JS	
SUSAP	12K K3FR14	R	050WUPAPK3EA0EY	DF			+ 03300					A JS	
SUSAP	12K K3FR14	R	060WUPAPK3EA0EE R	HM		32010040	+ 03300					A JS	

QUALITY
CHECKED

	1	2	3	4	5	6	7	8	9	0	1	2
RUNWAY	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901

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	AIRPORT NAME: SUPERIOR MUNI		RNAV	RNAV (GPS) RWY 14, ORIG 31 MAY 2012	AMDT: NONE
					DATED:

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SUSAP 12K K3GRW14 0043011400 N40030185W098035001-1200 +0489501692000040075R

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP 12K K3PR14 RW14 001 0000W14A0N4003018510W09803500090+048950300N4001488200W09802434500106751440000400F4005007FECB897
SUSAP 12K K3PR14 RW14 002E +05156+05156LPV 53428

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP 12K K3SRW14 K3PG 0 18018003925 M



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ARINC SUMMARY - 424-8 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FAZED	FAZED	010		IF		FB					
	FAZED	YONUUY	020		TF		FO	2.0	298.7(303.7T)	028.9	AA 03900	
	FAZED	YONUUY	030	IAF	HF	R	FO		139.9(144.9T)	004.0	AA 03500	
	SHART	SHART	010		IF		FB					
	SHART	LAYID	020	IAF	TF		FB	2.0	183.0(188.0T)	018.5	AA 03500	
	SHART	YONUUY	030		TF		FB	1.0	139.9(144.9T)	005.0	AA 03500	
	TKO	TKO	010		IF		FB					
	TKO	YONUUY	020		TF		FO	2.0	002.8(007.8T)	023.2	AA 03500	
	TKO	YONUUY	030	IAF	HF	R	FO		139.9(144.9T)	004.0	AA 03500	
		YONUUY	010	FACF	IF		FB				AA 03500	
		HUKMI	020	FAF	TF		FB	0.5	139.9(144.9T)	005.0	AA 03400	
		ZIDUT	021	SDF	TF		FB	0.3	139.9(144.9T)	002.2	AA 02680	GS 02687
		RW14	030	MAP	TF		FO	0.3	140.0(145.0T)	003.0	AT 01732	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		140.0(145.0T)		AA 02026	
	WUPAP	050		DF		FO				AA 03300	
	WUPAP	060		HM	R	FO		320.1(325.1T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TKO	N394823.05	W0981536.09	N3948.384	W09815.602
	FAZED	N395526.68	W0974005.90	N3955.445	W09740.093
	HUKMI	N400719.41	W0980745.16	N4007.324	W09807.753
	LAYID	N401530.66	W0981515.36	N4015.511	W09815.256
	SHART	N403352.72	W0981152.39	N4033.879	W09811.873
	WUPAP	N395410.70	W0975546.90	N3954.178	W09755.782
	YONUUY	N401125.10	W0981130.03	N4011.418	W09811.507
	ZIDUT	N400529.35	W0980604.60	N4005.489	W09806.077
	RW14	N400301.85	W0980350.01	N4003.031	W09803.834

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	01692	40

QUALITY
1
CHECKED

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	AIRPORT NAME: SUPERIOR MUNI		RNAV (GPS) RWY 14, ORIG	AMDT: NONE
			31 MAY 2012	DATED: