

U.S. 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	
BANEY (40E)	CABKA(TF)(FB)(40E)(43A)	023.56 / 9.63	3000	LNAV: RW15
PANIC (40E)	ROTYO(TF)(FB)(40E)(43A)	260.04 / 14.36	3000	
WIRDE (40E)	ROTYO(TF)(FB)(40E)(43A)	187.79 / 10.00	3000	CLIMB TO 3000 DIRECT BEGGS AND HOLD.
CABKA(IAF)(40E)(43A)	FAMMS(NoPT)(TF)(FB)(40E)(41E)(43B)	060.82 / 5.00	3000	
ROTYO(IAF)(40E)(43A)	FAMMS(NoPT)(TF)(FB)(40E)(41E)(43B)	240.98 / 5.00	3000	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 331.02 INBOUND CHART FAS OBST: 1341 TOWER 461743N/0963624W SACOS TO RW15: 3.04 / 55 CHART VDP AT 1.60 MILES TO RW15 ROUTE TYPE DESCRIPTION: A, P APPROACH ROUTE QUALIFIER 2: S
FAMMS(IF/IAF)(40E)(43I)	SACOS(TF)(FB)(40E)(43F)	150.85 / 6.17	2500	
RW15 (MAP)(40G)(41Y)(43M) 1368 MSL	1368 MSL (CA)(42M) BEGGS (DF)(FO)(40E)(41E)(43H)	150.90	3000	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW FAMMS, RT, 150.85 INBOUND, 3000 FT IN LIEU OF PT (IAF)(40E)(41E)(43C)
3. FAC: 150.90 FAF: SACOS DIST FAF TO MAP: 4.58 THLD: 4.58
4. MIN. ALT: FAMMS 3000, SACOS 2500.
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS CLEAR
8. MSA FROM: RW15 3100

MAG VAR: 5E EPOCH YEAR: 95

MINIMUMS																
TAKEOFF:	STANDARD	X	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	
LNAV MDA	1500	1	532	1500	1	532	1500	1 1/2	532	1500	1 3/4	532				
CIRCLING	1520	1	552	1520	1	552	1520	1 1/2	552	1560	2	592				

NOTES: CHART NOTES: DME/DME RNP-0.3 NA. IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE FERGUS FALLS, MN ALTIMETER SETTING AND INCREASE ALL MDA'S 80 FEET. CIRCLING TO RWY 3/21 NA AT NIGHT. VDP NA WHEN USING FERGUS FALLS, MN. ALTIMETER SETTING.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

TL05-25

CITY AND STATE WAHPETON, ND	ELEVATION: 968 TDZE: 968 AIRPORT NAME: HARRY STERN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: DEC 22 2005 RNAV (GPS) RWY 15, ORIG	SUP: AMDT: NONE DATE
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**RNAV - STANDARD
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TERMINAL ROUTES

MISSED APPROACH

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WIRDE (40E)	ROTYO(TF)(FB)(40E)(43A)	187.79 / 10.00	3000	CLIMB TO 3000 DIRECT BEGGS AND HOLD.
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FAMMS(IF/IAF)(40E)(43I)	SACOS(TF)(FB)(40E)(43F)	150.85 / 6.17	2500	
RW15 (MAP)(40G)(41Y)(43M)	1368 MSL (CA)(42M)	150.90		
1368 MSL	BEGGS (DF)(FO)(40E)(41E)(43H)		3000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
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- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: **34:1 IS CLEAR**
- MSA FROM: RW15 3100

MAG VAR: 5E EPOCH YEAR: 95

MINIMUMS

TAKEOFF:	STANDARD	X	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
LNAV MDA	1500	1	532	1500	1	532	1500	1 1/2	532	1500	1 3/4	532			
CIRCLING	1520	1	552	1520	1	552	1520	1 1/2	552	1560	2	592			

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CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CITY AND STATE	ELEVATION: 968 TDZE: 968	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WAHPETON, ND	AIRPORT NAME: HARRY STERN	RNAV	RNAV (GPS) RWY 15, ORIG	AMDT: NONE
				DATE

ALL AFFECTED PROCEDURES REVIEWED? <input checked="checked" type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE ROUTINE
COORDINATED WITH: ATA <input type="checkbox"/> AAT <input type="checkbox"/> ALPA <input checked="checked" type="checkbox"/> APA <input type="checkbox"/> AOPA <input checked="checked" type="checkbox"/> NBAA <input checked="checked" type="checkbox"/> OTHER (specify) <input checked="checked" type="checkbox"/> ZMP, AMGR		
FLIGHT CHECKED BY		
NAME: Gregory S Wiebe	FIFO AVN	DATE: 9-13-05
DEVELOPED BY		
NAME: <i>for</i> PAUL R. CLARK	FIFO AVN-120	DATE: 07/05/2005
APPROVED BY		
NAME: <i>John Bickerstaff</i> JOHN BICKERSTAFF	FIFO AVN-120	DATE: OCT 25 2005
CHANGES:		
REASONS: ORIGINAL. REQUESTED BY CHI FPO.		

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.				
FEEDER	BANEY	CABKA	1. TOWER (35-0735)	462022.00N/0964958.00W	1289 (2C)	1000	AT	3900				
			2. TERRAIN	461600.00N/0970018.00W	1070(1100)		AS1500	2500				
FEEDER	PANIC	ROTYO	3. 200' AAO	462836.00N/0961309.00W	1621 (4E)	1000	AT	3000				
			4. TERRAIN	462824.00N/0961545.00W	1329(1300)		AS1500	2800				
FEEDER	WIRDE	ROTYO	5. TOWER (24-0881)	463247.00N/0963740.00W	1660 (3C)	1000	AT	3500				
			6. TERRAIN	463427.00N/0962800.00W	1008(1000)		AS1500	2500				
INITIAL	CABKA	FAMMS	7. 200' AAO	462603.00N/0965306.00W	1214 (4E)	1000	AT	3000				
			8. TERRAIN	462618.00N/0965151.00W	1001(1000)		AS1500	2500				
INITIAL	ROTYO	FAMMS	9. TOWER (35-0773)	462713.00N/0964221.00W	1299 (5D)	1000	AT	3000				
			10. TERRAIN	462357.00N/0963442.00W	988(1000)		AS1500	2500				
INTERMEDIATE	FAMMS (IF/IAF)	SACOS	11. ELEV (35-0496)	462003.00N/0963818.00W	1205 (3C)	500		1800				
			12. TERRAIN	462321.00N/0964727.00W	985(1000)		AS1500	2500				
FINAL	SACOS	RW15	13. TOWER (35-0675)	461743.00N/0963624.00W	1341 (4D)*	250	AC50 SA-149	1500				
HOLD-IN LIEU OF PT	FAMMS	P-5	14. TOWER (35-0299)	462818.80N/0965147.20W	1330 (3C)	1000	AT	3000				
2. PROCEDURE TURN			15. TERRAIN	462809.00N/0965503.00W	1024(1000)		AS1500	2500				
3. MISSED APPROACH	MAP: RW15	BEGGS					ASC	3000				
	ELEV: 1250		16. 200' AAO	460718.00N/0962809.00W	1214 (4E)	1000		2300				
			17. TERRAIN	460718.00N/0962809.00W	1014(1000)		AS1500	2500				
4. CIRCLING	DISTANCE	H T. A B V. A R P T.										
CATEGORY A	1.3 NM	REQUIRED	ACTUAL	350	552	18. TOWER (24-0718)	461546.00N/0963523.00W	1153 (1D)	300	AC50	1520	
CATEGORY B	1.5 NM			450	552	18.		1153 (1D)	300	AC50	1520	
CATEGORY C	1.7 NM			450	552	18.		1153 (1D)	300	AC50	1520	
CATEGORY D	2.3 NM			550	592	19. TOWER (24-0358)	461619.00N/0963357.00W	1245 (3C)	300			1560
CATEGORY E	4.5 NM			550								
5. MINIMUM SAFE ALTITUDES				PRIMARY NAVAID: RW15								
SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	M S A			
360-360	TWR. (24-1703)	055/27.8	2035 (5E)	3100								
CITY AND STATE		AIRPORT & ELEVATION		968	FACILITY		PROCEDURE AND AMENDMENT NO:		REGION			
WAHPETON, ND		HARRY STERN			RNAV		RNAV (GPS) RWY 15, ORIG		AGL			

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:

5. AIRSPACE DATA: SEE ATTACHED LETTER

TAA NOT APPLIED IAW ATC REQUEST

RASS (PRESSURE PATTERNS THE SAME)

KBWP 967.7 FT MSL
KFFM 1181.6 FT MSL

BACK-UP REMOTE ALTIMETER SOURCE PUBLISHED BY NOTE
ROUNDED TO 80 FT PER 8260.19C PARA 854 m. (4)(g).

* REQUEST FLIGHT CHECK VERIFICATION OF OBSTACLE
TOWER (35-0675) 1341 FT MSL 461743.00N/0963624.00W AND

CIRCLING NA AT NIGHT TO RWY 03-21 DUE TO SURVEY TYPE A(V).

BANEY 4614.353N-09656.248W
PANIC 4628.154N-09615.717W
WIRDE 4636.629N-09633.205W
CABKA 4622.801N-09649.600W
ROTYO 4626.883N-09636.407W
FAMMS 4624.845N-09643.008W
SACOS 4619.212N-09639.364W
RW15 4615.036N-09636.671W
BEGGS 4604.226N-09629.736W

OBSTACLE 13. TOWER (35-0675) IS 2856.6 FT FROM INNER EDGE OF
SECONDARY.

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:		2. WEATHER SERVICE		3. ALTIMETER SETTING		
ZMP		N W S	OTHER:	SOURCE: KBWP/KFFM		
CTAF		F A A	AWOS-3	DISTANCE: 18.92		
GFK FSS		A / C		HOURS REMOTE OPERATION: 24 HRS		
SATISFACTORY ON:		LOCATION: ON AIRPORT		ADJUSTMENT: 73.48		
<input checked="" type="checkbox"/> VHF		<input checked="" type="checkbox"/> UHF		<input type="checkbox"/> HF		
		HRS OPTN: 24				
4. MONITOR STATUS	PRIMARY			SECONDARY		
	NAVAID:			NAVAID:		
	MONITOR POINT:			MONITOR POINT:		
	HRS	CAT 1		HRS	CAT 1	
OPTN:	CAT 3		OPTN:	CAT 3		
5. AIRSPACE		FLOOR OF CONTROLLED AIRSPACE UNDER FAC		CONTROL AREA		
		CONTROL ZONE:		HOURS OPTN		
6. APPROACH & RUNWAY LIGHTING	ALS		<input checked="" type="checkbox"/>	REIL 15 - 33 (PCL)		
	(S) SALS			TDZ		
	MALS			C/LINE		
	HIRL			OTHER (Specify)		
<input checked="" type="checkbox"/>	MIRL 15 - 33 (PCL)		<input checked="" type="checkbox"/>	PAPI-2L 15 - 33		
7. RUNWAY MARKINGS			8. RUNWAY VISUAL RANGE			
ALL WEATHER			APPROACH			
INSTRUMENT NPI-G 15 - 33			ROLL OUT			
9. GLIDE SLOPE		G S ANGLE:		ELEV RWY THRESHOLD:		
		DISTANCE FROM RWY:		ELEV GS ANTENNA:		
				THRESHOLD CROSSING HEIGHT:		
10. FINAL APPROACH COURSE AIMING		<input checked="" type="checkbox"/>	RUNWAY THRESHOLD		F T. FROM THRESHOLD	
		<input checked="" type="checkbox"/>	ON CENTERLINE		F T. FROM CENTERLINE	
11. WAIVERS OF STANDARDS		NUMBER OF WAIVERS ON FILE		DATES OF APPROVAL		
		NONE				
PART C - REMARKS: AWOS-3 NOT ON SERVICE A VGSI DATA: 3.00 DEGREES TCH 24 RWY 03 - 21: TURF, NO LTS.						
PART D - PREPARED BY: PAUL R. CLARK				DATE: 11/01/2005		
TITLE: AERONAUTICAL INFORMATION SPECIALIST				OFFICE: AVN-120		

