

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: RW16 CLIMB TO 3500 DIRECT WASWK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 339.88 INBOUND. CHART FAS OBST: 1402 WATER TWR 461335N/0973929W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.19 MILES TO RW16* *LNAV ONLY. WAAS CHANNEL # 93936 REFERENCE PATH ID: W16A CHART CIRCLING ICON. LTP HAE: 357 M						
FILON (IF/IAF)		JIMOD (FB)		159.78 / 6.00			2900								
JIMOD (FAF)		ASABE/2.70 NM TO RW16		159.81 / 2.18											
ASABE/2.70 NM TO RW16		RW16 (MAP) (FO)		159.81 / 2.70											
RW16 (MAP)		1507 MSL		159.81											
1507 MSL		WASWK (FO)					3500								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N FILON, RT, 159.78 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>159.81</u> FAF: <u>JIMOD</u> DIST FAF TO MAP: <u>4.88</u> THLD: <u>4.88</u> 4. MIN. ALT: <u>FILON 3500, JIMOD 2900, ASABE/2.70 NM TO RW16 2180*</u> 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>2900</u> GS ALT AT: <u>JIMOD 2900</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.10</u> TCH: <u>40.0</u> 34:1 IS CLEAR 8. MSA FROM: <u> </u>									MAG VAR: 4E EPOCH YEAR: 2010						
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	1507	3/4	250	1507	3/4	250	1507	3/4	250	1507	3/4	250			
LNAV/VNAV DA	1534	7/8	277	1534	7/8	277	1534	7/8	277	1534	7/8	277			
LNAV MDA	1660	1	403	1660	1	403	1660	1 1/8	403	1660	1 1/8	403			
CIRCLING	1720	1	454	1720	1	454	1840	1 1/2	574	2060	2 1/2	794			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 47C (117F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: NIGHT LANDING: RWY 16, 24 NA. (SEE FORM 8260-10)															
CITY AND STATE GWINNER, ND			ELEVATION: 1266 TDZE: 1257 AIRPORT NAME: GWINNER-ROGER MELROE FIELD			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 4 18 SEPTEMBER 2014				SUP:			
												AMDT: 3			
												DATED 06/03/2010			

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: BARO-VNAV AND VDP NA WHEN USING FARGO ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FARGO ALTIMETER SETTING AND INCREASE

ALL DA 176 FEET AND ALL MDA 180 FEET. INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT C/D

VISIBILITY 5/8 MILE, AND CIRCLING CAT C VISIBILITY 3/4 MILE AND CAT D VISIBILITY 1/2 MILE.

TAA

	FROM	TO	ALT
1.	070/30 CW 250/30 (NOPT)	FILON (IF/IAF) (FB)	3500
2.	250/30 CW 070/30	FILON (IF/IAF) (FO)	3500

CITY AND STATE

WINNER, ND

ELEVATION: 1266

TDZE: 1257

AIRPORT NAME:

WINNER-ROGER MELROE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, AMDT 4
18 SEPTEMBER 2014

SUP:

AMDT: 3

DATED: 06/03/2010

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.

CITY AND STATE
GWINNER, ND

ELEVATION: 1266 TDZE: 1257
AIRPORT NAME:
GWINNER-ROGER MELROE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16, AMDT 4
18 SEPTEMBER 2014

SUP:
AMDT: **3**
DATED: **06/03/2010**

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	KGWR
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	461324.7130N
LTP/FTP LONGITUDE	0973841.4800W
LTP/FTP ELLIPSOIDAL HEIGHT	+03570
FPAP LATITUDE	461159.1635N
FPAP LONGITUDE	0973805.7575W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

9593921D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03826
FPAP ORTHOMETRIC HEIGHT	+03826

CITY AND STATE

GWINNER, ND

ELEVATION: 1266

TDZE: 1257

AIRPORT NAME:

GWINNER-ROGER MELROE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, AMDT 4

18 SEPTEMBER 2014

SUP:

AMDT:

3

DATED: 06/03/2010

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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGWRK3FR16	AFILON	010FILONK3EA0EE	AR	HF		15980040		+ 03500	18000			A JS	
SUSAP KGWRK3FR16	R	010FILONK3EA0E	I	IF				+ 03500	18000			A JS	
SUSAP KGWRK3FR16	R	020JIMODK3EA1E	F	051TF		15980060		+ 02900				A JS	
SUSAP KGWRK3FR16	R	020JIMODK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KGWRK3FR16	R	021ASABEK3EA0E	S	031TF		15980022		V 0218002184		-310		A JS	
SUSAP KGWRK3FR16	R	030RW16 K3PGOGY	M	031TF		15980027		01295		-310		A JS	
SUSAP KGWRK3FR16	R	040		0 M	CA	1598		+ 01507				A JS	
SUSAP KGWRK3FR16	R	050WASWKK3EA0EY		DF				+ 03500				A JS	
SUSAP KGWRK3FR16	R	060WASWKK3EA0EE	R	HM		33990040		+ 03500				A JS	

[illegible][illegible]

CITY AND STATE GWINNER, ND	ELEVATION: 1266	TDZE: 1257	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 4 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: GWINNER-ROGER MELROE FIELD				AMDT: 3
					DATED: 06/03/2010

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
	FILON	FILON	010	IAF	HF	R	FO		159.8 (163.8T)	004.0	AA 03500	
		FILON	010	FACF	IF		FB				AA 03500	
		JIMOD	020	FAF	TF		FB	0.5	159.8 (163.8T)	006.0	AA 02900	
		ASABE	021	SDF	TF		FB	0.3	159.8 (163.8T)	002.2	AA 02180	GS 02184
		RW16	030	MAP	TF		FO	0.3	159.8 (163.8T)	002.7	AT 01295	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		159.8 (163.8T)		AA 01507	
	WASWK	050		DF		FO				AA 03500	
	WASWK	060		HM	R	FO		339.9 (343.9T)	004.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ASABE	N461600.25	W0973946.51	N4616.004	W09739.775
	FILON	N462351.18	W0974304.06	N4623.853	W09743.068
	JIMOD	N461805.61	W0974039.00	N4618.094	W09740.650
	WASWK	N460201.25	W0973356.92	N4602.021	W09733.949
	RW16	N461324.71	W0973841.48	N4613.412	W09738.691

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	01255	40

CITY AND STATE GWINNER, ND	ELEVATION: 1266	TDZE: 1257	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 4 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: GWINNER-ROGER MELROE FIELD				AMDT: 3
					DATED: 06/03/2010