

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		
CECYA (IF/IAF)	ORUTE (FB)	313.10 / 7.00	3100	LPV: DA LNAV/VNAV: DA LNAV: RW31	
ORUTE (FAF)	RW31 (MAP) (FO)	313.02 / 4.57		CLIMB TO 2300 THEN CLIMBING LEFT TURN TO 3200 DIRECT CECYA AND HOLD.	
RW31 (MAP)	2300 MSL	313.02	2300		
2300 MSL	CECYA (FO)		3200		

ADDITIONAL FLIGHT DATA:
 CHART FAS OBST: 1850 TANK 472641N/0990725W
 CHART R-5401, R5402, R-5403.
 DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
 CHART VDP AT 1.67 MILES TO RW31*
 *LNAV ONLY.
 WAAS CHANNEL # 70631
 REFERENCE PATH ID: W31A
 CHART CIRCLING ICON.
 CHART MINNEAPOLIS CENTER FREQUENCY.
 LTP HAE: 466 M

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE CECYA, RT, 313.10 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
- FAC: 313.02 FAF: ORUTE DIST FAF TO MAP: 4.57 THLD: 4.57
- MIN. ALT: CECYA 3200, ORUTE 3100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3100 GS ALT AT: ORUTE 3100 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 7E EPOCH YEAR: 2000

MINIMUMS

CATEGORY =====>	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
	A		B		C		D		E		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	1856	1	250	1856	1	250	1856	1	250						
LNAV/VNAV DA	2050	1 1/2	444	2050	1 1/2	444	2050	1 1/2	444						
LNAV MDA	2160	1	554	2160	1	554	2160	1 5/8	554						
CIRCLING	2200	1	593	2200	1	593	2200	1 5/8	593						

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 (SEE FORM 8260-10)



CITY AND STATE CARRINGTON, ND	ELEVATION: 1607 THRE: 1606 AIRPORT NAME: CARRINGTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 27 JUNE 2013	SUP: AMDT: NONE DATED
----------------------------------	--	------------------------------	---	-----------------------------

**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: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
- CHART NOTE: CIRCLING RWY 13 NA AT NIGHT.
- CHART NOTE: VDP AND BARO-VNAV NA WITH JAMESTOWN ALTIMETER SETTING.
- CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JAMESTOWN ALTIMETER SETTING AND INCREASE ALL DA AND MDA 100 FEET, INCREASE LPV ALL CATS VISIBILITY 1/8 MILE; LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE; LNAV CAT C VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 3/8 MILE.

TAA

	FROM	TO	ALT
1.	223/30 CW 043/30 (NOPT)	223/4 CW 043/4	3600
2.	223/4 CW 043/4	CECYA (IF/IAF) (FB)	3200
3.	043/30 CW 223/30	CECYA (IF/IAF) (FO)	3700



CITY AND STATE CARRINGTON, ND	ELEVATION: 1607 THRE: 1606	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 27 JUNE 2013	SUP:
	AIRPORT NAME: CARRINGTON MUNI			AMDT: NONE
				DATED:

**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	46D
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	472648.1275N
LTP/FTP LONGITUDE	0990845.1830W
LTP/FTP ELLIPSOIDAL HEIGHT	+04660
FPAP LATITUDE	472756.3060N
FPAP LONGITUDE	0991009.6500W
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	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER F02BEF52

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04894
FPAP ORTHOMETRIC HEIGHT	+04894



CITY AND STATE CARRINGTON, ND	ELEVATION: 1607 THRE: 1606	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 27 JUNE 2013	SUP:
	AIRPORT NAME: CARRINGTON MUNI			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 SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CECYA	CECYA	010	IAF	HF	R	FO		313.1(320.1T)	004.0	AA 03200	
		CECYA	010	FACF	IF		FB				AA 03200	
		ORUTE	020	FAF	TF		FB	0.5	313.1(320.1T)	007.0	AA 03100	
		RW31	030	MAP	TF		FO	0.3	313.0(320.0T)	004.6	AT 01646	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		313.0(320.0T)		AA 02300	
	CECYA	050		DF	L	FO				AA 03200	
	CECYA	060		HM	R	FO		313.1(320.1T)	004.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CECYA	N471756.33	W0985740.16	N4717.939	W09857.819
	ORUTE	N472318.38	W0990425.84	N4723.306	W09904.431
	RW31	N472648.13	W0990045.18	N4726.802	W09908.753

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01606	40



CITY AND STATE CARRINGTON, ND	ELEVATION: 1607	THRE: 1606	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 27 JUNE 2013	SUP:
	AIRPORT NAME: CARRINGTON MUNI				AMDT: NONE
					DATED: