

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> 7V7	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> RED CLOUD	<u>STATE</u> NE
<u>AIRPORT ELEVATION</u> 1744	<u>TDZE</u> 1744	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>DATED</u> 09/07/2023	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>REQUIRED EFFECTIVE DATE</u> 09/05/2024	<u>EPOCH YEAR</u> 2010
		<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>CANCEL/SUSPEND</u>	

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 068/30 CW 248/30	NOPT	068/10 CW 248/10		4500
2. 068/10 CW 248/10		EKIMY	IF/IAF	3600
3. 248/30 CW 068/30		248/15 CW 068/15		3700
4. 248/15 CW 068/15		EKIMY	IF/IAF	3600

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
EKIMY	IF/IAF	FESIG		TF	FB	1.00	157.84	5.00	3600
FESIG	FAF	WUTKI/2.20 NM TO RW16		TF	FB	0.30	157.86	3.05	
WUTKI/2.20 NM TO RW16		RW16	MAP	TF	FO	0.30	157.86	2.20	
RW16	MAP	2075 MSL		CA			157.86		
2075 MSL		CAGNA		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT CAGNA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD N EKIMY, RT, 157.84 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	157.86	FAF:	FESIG	DIST FAF TO MAP:	5.25	DIST FAF TO THLD:	5.25							
4.	MIN ALT:	EKIMY 3600, FESIG 3600, WUTKI/2.20 NM TO RW16 2540													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		331 HAT:	0.83	GS ANT:				
6.	MIN GP INCPT:	3600	GP ALT AT PFAF:	FESIG 3600			OM:		MM:		IM:				
7.	GP ANGLE:	3.25	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	44.1							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV NA.
CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: USE K82 ALTIMETER SETTING; WHEN NOT RECEIVED, USE HSI ALTIMETER SETTING AND INCREASE LPV DA TO 2120 FEET; INCREASE LNAV/VNAV DA TO 2290 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 60 FEET.

ADDITIONAL FLIGHT DATA:

CHART K82 AWOS-3PT.
HOLD S, RT, 337.93 INBOUND.
CHART FAS OBST: 1920 TREE (31-026985) 400633N/0983247W.
WAAS CHANNEL # 82027
REFERENCE PATH ID: W16A
LTP HAE: 505.8 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	2075	1	331	2075	1	331		NA			NA				
LNAV/VNAV DA	2245	1 3/8	501	2245	1 3/8	501		NA			NA				
LNAV MDA	2240	1	496	2240	1	496		NA			NA				
CIRCLING	2280	1	536	2300	1	556		NA			NA				



CHANGES - REASONS

1. TERMINAL ROUTES: ADDED STRAIGHT-IN TAA AT EKIMY IF/IAF, DELETED MSA FROM PROFILE LINE 8 – PER ATC/FPT CHECKLIST.
2. TERMINAL ROUTES: CHANGED WUTKI (SDF) TO MAP AND MAP TO CA SEGMENT COURSE FROM “157.87” TO 157.86” – PROCEDURE RE-DESIGNED IAW 8260.58C.
3. TERMINAL ROUTES: DELETED TKO VORTAC, KOTZA, MORGS, HSI VOR/DME, AND ZOKEP SEGMENTS – PER ATC/FPT CHECKLIST, TAA DEVELOPED.
4. PROFILE LINE 2: ADDED “MAX 6000” – PER ATC REQUEST IAW 8260.19J, 8-6-7.B(2).
5. PROFILE LINE 5: ADDED “331 HAT 0.83” – IAW 8260.19J, 8-6-7.E(3).
6. PROFILE LINE 7: ADDED “20:1 IS CLEAR” – IAW 8260.19J, 8-6-7.G(3).
7. CHANGED CHART NOTE: “USE SMITH CENTER ALTIMETER SETTING, WHEN NOT RECEIVED USE HASTINGS ALTIMETER SETTING AND INCREASE ALL DA 44 FEET AND ALL MDA 60 FEET; INCREASE LPV CATS A/B VISIBILITY 1/8 MILE AND LNAV/VNAV CATS A/B VISIBILITY 1/4 MILE” TO “CHART NOTE: USE K82 ALTIMETER SETTING; WHEN NOT RECEIVED, USE HSI ALTIMETER SETTING AND INCREASE LPV DA TO 2120 FEET; INCREASE LNAV/VNAV DA TO 2290 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 60 FEET.” – NEW OBSTACLE EVALUATION.
8. DELETED CHART PLANVIEW NOTE: “PROCEDURE NA FOR ARRIVALS AT TKO VORTAC ON V549 NORTHEAST BOUND” – FEEDER SEGMENT DELETED FROM PROCEDURE.
9. ADDITIONAL FLIGHT DATA: DELETED “CHART FAS OBST: 1851 FENCE 400559N0983334W” AND “CHART 1774 POLE 400519N/0983233W –IAW 8260.19J 8-6-11C.
10. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM “1920 TREE 400633N/0983247W” TO “1920 TREE (31-026985) 400633N/0983247W” – OBSTACLE ID REQUIRED IN DOCUMENTATION.
11. ADDITIONAL FLIGHT DATA: DELETED “2159 AAO 401006N/0983324W” – NEW OBSTACLE EVALUATION.
12. ADDITIONAL FLIGHT DATA: ADDED “CHART K82 AWOS-3PT” – PRIMARY ALTIMETER IS REMOTE IAW 8260.19J, 8-2-4.B(3).
13. MINIMUMS: RAISED LNAV/VNAV DA AND HAT FROM “2198/454” TO “2245/501” – NEW CONTROLLING OBSTACLE.
14. FAS DATA: FPAP LATITUDE/LONGITUDE CHANGED FROM “400348.0600N/0983201.7400W” TO “400348.0605N/0983201.7310W” – UPDATED AIRNAV DATA INCORPORATED.
15. FAS DATA: CRC REMAINDER CHANGED FROM “9C5557F7” TO “A69FE67C” – UPDATED FPAP LATITUDE/LONGITUDE.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☐

HAI

☐

NBAA

☒

OTHER:

ZMP, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
CASIMIR L TABAKA
Jun 06, 2024

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by
CASIMIR L TABAKA

OFFICE

AJV-A432

DATE

02/28/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Jun 06, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER



AIRPORT ID
7V7

PROCEDURE NAME
RNAV (GPS) RWY 16

ORIGINAL/AMENDMENT
1

CITY
RED CLOUD

STATE
NE

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	7V7
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	400513.2765N
LTP/FTP LONGITUDE	0983235.8980W
LTP/FTP ELLIPSOIDAL HEIGHT	+05058
FPAP LATITUDE	400348.0605N
FPAP LONGITUDE	0983201.7310W
THRESHOLD CROSSING HEIGHT (TCH)	00044.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.25
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	A69FE67C
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05317
FPAP ORTHOMETRIC HEIGHT	+05317

