

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</u> ELKIN MUNI	<u>AIRPORT ID</u> KZEF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> ELKIN	<u>STATE</u> NC
<u>AIRPORT ELEVATION</u> 1067	<u>TDZE</u> 1067	<u>SUPERSEDED</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 11/13/2014	<u>MAG VAR</u> 8W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 344/30 CW 164/30	NOPT	344/10 CW 164/10		7300
2. 344/10 CW 164/10		ZOVMI	IF/IAF	4900
3. 164/30 CW 344/30	PT	ZOVMI	IF/IAF	6900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZOVMI	IF/IAF	WISTU		TF	FB	1.00	074.35	7.00	2800
WISTU	FAF	UBUYI/2.10 NM TO RW07		TF	FB	0.30	074.43	3.20	
UBUYI/2.10 NM TO RW07		RW07	MAP	TF	FO	0.30	074.43	2.10	
RW07	MAP	1460 MSL		CA			074.43		
1460 MSL		CUVTI		DF	FO	1.00			5100

MISSED APPROACH

MAP:

LP: RW07
LNAV: RW07

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5100 DIRECT CUVTI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD W ZOVM I, RT, 074.35 INBOUND, 4900 FT. IN LIEU OF PT (IAF), MAX 8000.

3. FAC: 074.43FAF: WISTUDIST FAF TO MAP: 5.30DIST FAF TO THLD: 5.30

4. MIN ALT: ZOVM I 4900, WISTU 2800, UBUYI/2.10 NM TO RW07 1780

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:OM:MM:IM:

6. MIN GP INCPT:GP ALT AT FAF :

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE MOUNT AIRY ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET AND ALL CATS C/D VISIBILITIES 1/4 SM.
CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
WAAS CHANNEL #65836
REFERENCE PATH ID: W07A
CHART FAS OBST: 1194 TREE 361638N/0804807W, 1239 TREE 361658N/0804734W.
HOLD E, RT, 254.65 INBOUND
LTP HAE: 291.8 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
LP MDA	1460	1	393	1460	1	393	1460	1 1/8	393	1460	1 1/8	393			
LNAV MDA	1500	1	433	1500	1	433	1500	1 1/4	433	1500	1 1/4	433			
CIRCLING	1540	1	473	1600	1	533	1680	1 3/4	613	1840	2 1/2	773			



CHANGES - REASONS

1. REMOVED DME/DME RNP -0.3 NA NOTE. - NOTE NO LONGER APPLICABLE.
2. ADDED PBN REQUIREMENT NOTE: RNP APCH. - ADDED IAW 8260.58A CHNG 2 TABLE 1-2-1.
3. REMOVED HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. ADDED NOTE RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. - NOTE FORMAT UPDATED IAW 8260.19H PARA 8-6-11(K)3.
4. CHANGED NOTE OBTAIN LOCAL ALTIMETER SETTING ON CTAF TO READ OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE MOUNT AIRY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND CAT C/D VISIBILITY 1/4 SM. - NOTE UPDATED TO CURRENT FORMAT.
5. CRC REMAINDER CHANGED FROM BECF98D8 TO 97206923. - VDA DATA UPDATED.
6. ADDED PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. - PER FLIGHT CHECK, VDA AND TCH PERMITS FLIGHT INTO TERRAIN AND TREES.
7. REMOVED PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. - NOTE REMOVED DUE TO FLIGHT CHECK RESULTS.
8. DELETED VDA DATA. - PER FLIGHT CHECK.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZTL, HKY ATCT, INT ATCT, AMGR.

FLIGHT CHECKED BY

STEPHEN F KOCH

Digitally signed by

DONALD H LANIER

Oct 07, 2019

OFFICE

FICO

DATE

9/27/19

DEVELOPED BY

NICHOLAS K. JACKSON

Digitally signed by

NICHOLAS JACKSON

Aug 22, 2019

OFFICE

AJV-A431

DATE

07/24/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by

DONALD H LANIER

Oct 07, 2019

OFFICE

AJV-A450

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KZEF
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	361640.1535N
LTP/FTP LONGITUDE	0804732.2415W
LTP/FTP ELLIPSOIDAL HEIGHT	+02918
FPAP LATITUDE	361715.7345N
FPAP LONGITUDE	0804551.1800W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	97206923

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03252
FPAP ORTHOMETRIC HEIGHT	+03252

