

**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>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
NORFOLK RGNL/KARL STEFAN MEMORIAL FLD	KOFK	RNAV (GPS) RWY 32	2	NORFOLK	NE	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1573	1560	RNAV (GPS) RWY 32	1A	07/19/2018	5E	2005
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		10 SEPTEMBER 2020	ROUTINE			

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>
RREV	IAF	AYEDU	NOPT	TF	FB	1.00	227.12	7.50	3900
SAWSH	IAF	AYEDU	NOPT	TF	FB	1.00	046.94	7.50	3900
AYEDU	IF/IAF	CERHI		TF	FB	1.00	317.03	5.93	3200
CERHI	FAF	CIWYY/1.79 NM TO RW32		TF	FB	0.30	316.98	3.20	
CIWYY/1.79 NM TO RW32		RW32	MAP	TF	FO	0.30	316.98	1.79	
RW32	MAP	1858 MSL		CA			316.98		
1858 MSL		ADUWU		DF	FO	1.00			3900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3900 DIRECT ADUWU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD SE AYEDU, RT, 317.03 INBOUND, 3900 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 316.98 FAF: CERHI DIST FAF TO MAP: 5.00 DIST FAF TO THLD: 5.00
4. MIN ALT: AYEDU 3900, CERHI 3200, CIWYY/1.79 NM TO RW32 2180*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 298 HAT: 0.78 GS ANT: MM: IM:
6. MIN GP INCPT: 3200 GP ALT AT FAF : CERHI 3200 OM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 48.6
8. MSA FROM: RW32 4800

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.00 NM TO RW32*
*LNAV ONLY
WAAS CHANNEL #86415
REFERENCE PATH ID: W32A
CHART FAS OBST: 1724 TREE 415656N/0972437W.
HOLD NW, RT, 136.83 INBOUND
LTP HAE: 450.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	1858	1	298	1858	1	298	1858	1	298	1858	1	298			
LNAV/VNAV DA	2019	1 3/8	459	2019	1 3/8	459	2019	1 3/8	459	2019	1 3/8	459			
LNAV MDA	1980	1	420	1980	1	420	1980	1 1/8	420	1980	1 1/8	420			
CIRCLING	2060	1	487	2100	1	527	2260	2	687	2360	2 1/2	787			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM 1A - IAW 8260.19H PARA 8-3-4C (2).
2. DELETED FEEDERS "PENDE TO VEGRY" AND "ERGUC TO SEWRU" AND ASSOCIATED NOTES - ATC REQUEST.
3. CHANGED INITIAL "VEGRY TO AYEDU 227.09/5.00" TO "RREVV TO AYEDU 227.12/7.50" - MOVED IAF 1.5 NM NORTHEAST TO INTIAL MEET MINIMUM LEG LENGTH REQUIREMENT; FIX NAME CHANGED DUE TO FIX MOVING IN EXCESS OF 1NM.
4. CHANGED INITIAL "SEWRU TO AYEDU 046.97/5.00" TO "SAWSH TO AYEDU 046.94/7.50" - MOVED IAF 1.5 NM SOUTHWEST TO INTIAL MEET MINIMUM LEG LENGTH REQUIREMENT; FIX NAME CHANGED DUE TO FIX MOVING IN EXCESS OF 1NM.
5. CHANGED INTERMEDIATE AYEDU TO CERHI DISTANCE FROM 6.01 TO 5.93 - MOVED PFAF TO ALIGN WITH NEW RUNWAY DATA.
6. LINE 2 ADDED "MAX 6000" AT H-I-L FIX - IAW 8260.19 8-6-7.B.(2).
7. CHANGED BOTH DIST FAF TO MAP AND DIST FAF TO THLD FROM 4.92 TO 5.00 - MOVED PFAF 475.07 FT SOUTHEAST.
8. CHANGED CIWYY DIST TO RW32 FROM 1.80 NM TO 1.79 NM - MOVED SDF 33.16 FT SOUTHEAST.
9. CHANGED "DISTANCE TO THLD FROM 298 HAT: 0.77NM" TO "298 HAT: 0.78" - NEW CONTROLLING OBSTACLE; FORMAT CHANGED IAW 8260.19H 8-6-7.E.(3).
10. CHANGED TCH FROM 52 TO 48.6 - TCH WAS RAISED TO 52 TO CLEAR GQS PENETRATION HOWEVER THE PENETRATION IS EXCLUDABLE IAW 8260.3D 2-6-6.A; TCH CHANGED TO MATCH VGSI TCH.
11. ADDED "20:1 IS CLEAR" - NO 20:1 SURFACE PENETRATIONS EXIST.
12. CHANGED "CHART FAS OBST: 1769 TREE 415732N/0972530W" TO "CHART FAS OBST: 1724 TREE 415656N/0972437W" - NEW CONTROLLING OBSTACLE.
13. CHANGED VDP DISTANCE FROM 1.15 MILES TO 1.00 NM - LOWERED THE MDA AND CHANGED TCH TO MATCH VGSI.
14. ADDED "CHART: CIRCLING ICON" - NEW CIRCLING RADIUS APPLIED.
15. CHANGED LNAV/VNAV DA/HAT FROM 2091/531 TO 2019/459 CATS A, B, C AND CHANGED CATS A, B, C VIS FROM 1 3/4 TO 1 3/8 - NEW CONTROLLING OBSTACLE; VISIBILITIES IAW 8260.3D TABLE 3-3-1.
16. CHANGED LNAV MDA/HAT FROM 2020/460 TO 1980/420 CATS A, B, C; CHANGED CAT C VIS FROM 1 1/4 TO 1 1/8 - NEW CONTROLLING OBSTACLE; VISIBILITIES IAW 8260.3D TABLES 3-3-3, 3-3-4, AND 3-3-1 RESPECTIVELY.
17. CHANGED CIRCLING CAT A MDA/HAA FROM 2080/507 TO 2060/487, CAT B FROM MDA/HAA 2080/507 TO 2100/527 AND CAT C MDA/VIS/HAA FROM 2080/1 1/2/507 TO 2260/2/687 - NEW CONTROLLING OBSTACLES; VISIBILITIES IAW 8260.3D TABLE 3-3-7.
18. ADDED CAT D TO ALL LINES OF MINIMA - ATC REQUEST.
19. CHANGED TEMPERATURE NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C" - USED 5-YEAR HISTORY (2015-2019); NO LONGER REQUIRED TO DOCUMENT FAHRENHEIT.
20. CHANGED VGSI COINCIDENT NOTE FROM "VGSI AND RNAV GLIDEPATH NOT COINCIDENT" TO "VGSI AND (ILS/RNAV AS APPROPRIATE) GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19H 8-6-9.M.(1).
21. ADDED ALTERNATE MINS "CAT D 800-2 1/2" - NPA ALTERNATE MINS ARE NON-STANDARD.
22. MOVED BACK-UP ALTIMETER NOTE AND ALL ASSOCIATED NOTES TO 8260-9 PART C - IAW 8260.19H 8-6-9 F.(2) NOTE 1.
23. CHANGED AIRPORT NAME FROM "KARL STEFAN MEMORIAL" TO "NORFOLK RGNL/KARL STEFAN MEMORIAL FLD" - NEW AIRPORT DATA.
24. FAS DATA: CHANGED LTP AND FPAP - NEW RUNWAY DATA.
25. FAS DATA: CHANGED THE CRC REMAINDER FROM "35FD66E6" TO "57B9240C" - CHANGES TO LTP LAT/LONG, FPAP LAT/LONG, AND TCH.

COORDINATED WITH:

A4A☒ALPA☒AOPA☒APA☐HAI☐NBAA☒OTHER: ZMP ARTCC, ARPT MGR

Digitally signed by			
FLIGHT CHECKED BY	DONALD H LANIER	OFFICE	DATE
PATRICK MURRAY	Jun 23, 2020	FICO	6/17/2020
Digitally signed by			
DEVELOPED BY	JACOB MAXFIELD	OFFICE	DATE
JACOB MAXFIELD	Feb 06, 2020	AJV-A431	01/23/2020
Digitally signed by			
APPROVED BY	DONALD H LANIER	OFFICE	DATE
GEORGE DAVIS	Jun 23, 2020	AJV-A430	TITLE MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOFK
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	415849.1200N
LTP/FTP LONGITUDE	0972549.7870W
LTP/FTP ELLIPSOIDAL HEIGHT	+04507
FPAP LATITUDE	415959.2925N
FPAP LONGITUDE	0972703.4660W
THRESHOLD CROSSING HEIGHT (TCH)	00048.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1088
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	57B9240C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04755
FPAP ORTHOMETRIC HEIGHT	+04755

