

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23

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> NORFOLK RGNL/KARL STEFAN MEMORIAL FLD	<u>AIRPORT ID</u> KOFK	<u>PROCEDURE NAME</u> VOR RWY 14	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> NORFOLK	<u>STATE</u> NE	
<u>AIRPORT ELEVATION</u> 1573	<u>TDZE</u> 1543	<u>SUPERSEDED</u> VOR RWY 14	<u>ORIGINAL/AMENDMENT</u> 7	<u>DATED</u> 06/08/2006	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 1980
<u>FACILITY</u> OFK	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>

MISSED APPROACH

MAP:

OFK VOR/DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3400 THEN RIGHT TURN DIRECT OFK VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L SIDE OF COURSE 304.92 OUTBOUND 3400 FT WITHIN 10 MILES OF OFK VOR/DME (IAF)

2.

3. FAC: 124.92 FAF: DIST FAF TO MAP: DIST FAF TO THLD:

4. MIN ALT: FEGUN/2.65 DME 2300

8. MSA FROM: OFK VOR/DME 180-270 4800, 270-180 3800

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 FEGUN TO RW14: 3.00/40.
 CHART VDP AT 1.88 DME
 DISTANCE VDP TO THLD 1.49 NM
 CHART FAS OBST: 1809 TREE 420232N/0972739W.
 FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
 HOLD NW, RT, 125.00 INBOUND

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
S-14	2300	1	757	2300	1 1/4	757	2300	2	757	2300	2	757			
CIRCLING	2300	1	727	2300	1 1/4	727	2300	2	727	2360	2 1/2	787			
FEGUN FIX MINIMUMS (DME REQUIRED)															
S-14	2060	1	517	2060	1	517	2060	1 3/8	517	2060	1 3/8	517			
CIRCLING	2060	1	487	2100	1	527	2260	2	687	2360	2 1/2	787			

CHANGES - REASONS

1. CHANGED PT OUTBOUND COURSE FROM 304.98 TO 304.92 AND FAC FROM 124.98 TO 124.92 - NEW NAVAID DATA.
2. CHANGED SDF FROM "OFK 2.5 DME 2220" TO "FEGUN/2.65 DME 2300" - FIX MOVED DUE TO NEW CONTROLLING OBSTACLE; CHANGED VDA TO ALIGN WITH VGSI; NAMED FIX IAW 8260.19H 2-10-5.A.
3. CHANGED FAS OBST FROM "1718 TREE 415836 / 972657" TO "1809 TREE 420232N/0972739W" - NEW CONTROLLING OBSTACLE.
4. ADDED "CHART: CIRCLING ICON" - NEW CIRCLING RADIUS APPLIED.
5. CHANGED VDA/TCH FROM "2.5 ATD TO RW 13: 2.84/40" TO "FEGUN TO RW14: 3.00/40" - CHANGED VDA TO MATCH VGSI.
6. CHANGED VDP FROM "VDP AT 1.64 DME" "DISTANCE VDP TO THLD = 1.25 MILES" TO "VDP AT 1.88 DME" "DISTANCE VDP TO THLD 1.49 NM" - MDA AND VDA CHANGED.
7. CHANGED S-14 CATS A, B, C MDA/HAT FROM 2220/677 TO 2300/757 AND CAT B VIS FROM 1 TO 1 1/4 - NEW CONTROLLING OBSTACLE; VISIBILITY IAW 8260.3D TABLE 3-3-4.
8. CHANGED S-14 CIRCLING CATS A, B, C CMDA/HAA FROM 2220/647 TO 2300/727 AND CAT B FIX FROM 1 TO 1 1/4 - NEW STRAIGHT-IN MINS RAISING CMDA; VISIBILITIES IAW 8260.3D TABLE 3-3-7.
9. CHANGED SDF MINIMUMS TITLE FROM "DME MINIMUMS" TO "FEGUN FIX MINIMUMS (DME REQUIRED)" - FIX MUST BE NAMED IAW 8260.19H 2-10-5.A.
10. CHANGED SDF MDA/HAT FROM 1980/437 TO 2060/517; CHANGED CAT C VIS FROM 1 1/4 TO 1 3/8 - NEW CONTROLLING OBSTACLE; VISIBILITY IAW 8260.3D TABLE 3-3-1.
11. CHANGED SDF CIRCLING CAT A CMDA/HAA 2080/507 TO 2060/487, CAT B FROM 2080/507 TO 2100/527, AND CAT C FROM 2080/507 TO 2260/687; CHANGED CIRCLING CAT C VIS FROM 1 1/2 TO 2 - NEW CONTROLLING OBSTACLE; VISIBILITIES IAW 8260.3D TABLE 3-3-7.
12. ADDED CAT D MINIMUMS TO ALL LINES OF MINIMA - ATC REQUEST.
13. ADDED ALTERNATE MINS "CAT D 800-2 1/2" - NPA ALTERNATE MINS ARE NON-STANDARD.
14. CHANGED RWY NUMBER FROM 13 TO 14 - MATCH WHAT IS PUBLISHED.
15. CHANGED AIRPORT NAME FROM "KARL STEFAN MEMORIAL" TO "NORFOLK RGNL/KARL STEFAN MEMORIAL FLD" - NEW AIRPORT DATA.
16. ADDED CHART NOTE "RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 PENETRATIONS.
17. ADDED "NA WHEN LOCAL ALTIMETER NOT AVAILABLE" - PROCEDURE HAS A BACKUP ALTIMETER AND ALTERNATE MINIMUMS ARE APPROVED.



AIRPORT

NORFOLK RGNL/KARL STEFAN MEMORIAL FLD

AIRPORT ID

KOFK

PROCEDURE NAME

VOR RWY 14

ORIGINAL/AMENDMENT

8

CITY

NORFOLK

STATE

NE

COORDINATED WITH:A4A ☒ALPA ☒AOPA ☒APA ☐HAI ☐NBAA ☒OTHER: APT MGR, ZMPFLIGHT CHECKED BY

PATRICK MURRAY

*Digitally signed by***DONALD H LANIER**

Jun 23, 2020

OFFICE

FICO

DATE

6/17/2020

DEVELOPED BY

JACOB MAXFIELD

*Digitally signed by***JACOB MAXFIELD**

Feb 07, 2020

OFFICE

AJV-A431

DATE

01/24/2020

APPROVED BY

GEORGE DAVIS

*Digitally signed by***DONALD H LANIER**

Jun 23, 2020

OFFICE

AJV-A430

DATETITLE

MANAGER

QUALITY
19
CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
NORFOLK RGNL/KARL STEFAN MEMORIAL FLD	KOFK	VOR RWY 14	8	NORFOLK	NE	1573	OFK

PART A: OBSTRUCTION DATA SEGMENTS

FINAL: PT

FROM 10 NM TO FEGUN/2.65 DME

RNP	DISTANCE 10.00	PAT	MAP	HAT 757	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.AAO	420420.42N/0973355.93W		2000	50	20	2C	300					2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: STEPDOWN

FROM FEGUN/2.65 DME TO OFK VOR/DME

RNP	DISTANCE 2.65	PAT	MAP OFK VOR/DME	HAT 517	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
2.TREE	420231.84N/0972738.77W		1809	50	20	2C	250					2060

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



PROCEDURE TURN

FROM
OFK VOR/DME

TO
10 NM

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (31-023909)	420430.03N/0973931.65W		2092	20	3	1A	1000				AT308	3400
4.TERRAIN	420645.00N/0974439.00W		1879 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH

FROM
OFK VOR/DME

TO
OFK VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2000					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3400
5.TOWER (31-000781)	420151.41N/0971934.09W		2209	50	20	2C	1000					3300
6.TERRAIN	415539.00N/0973321.00W		1830 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
7.TREE (31-041773)	415727.39N/0972604.68W	1.31	727/487	1744	20	3	1A	300		SI	2300/2060
CATEGORY B											
8.TREE (31-040930)	415720.05N/0972753.99W	1.86	727/527	1782	20	10	1B	300		SI	2300/2100
CATEGORY C											
9.TOWER (31-000484)	420221.00N/0972546.00W	2.93	727/687	1891	250	50	4D	300		SI/AC50	2300/2260
CATEGORY D											
10.TOWER (31-000197)	420156.00N/0972208.00W	3.83	787/787	2042	100	20	3C	300			2360/2360

CIRCLING REMARKS:

MSA

CENTER

OFK VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-270	TOWER (31-000596)	413228.00N/0974046.00W	194	29.0	3730	500	50	5D	1000			4800
270-180	TOWER (31-001197)	421415.00N/0971642.00W	017	16.5	2799	50	20	2C	1000			3800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZMP ARTCC, OLU FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KOFK	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KOFK	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS	<u>LOCATION</u> KLCG	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KLCG	<u>DISTANCE</u> 25.36	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 79

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KOFK 1573, KLCG 1432
RA = 78.2.

<u>PRIMARY NAVAID</u> OFK VOR/DME	<u>MONITOR POINT</u> MOCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW14 - MIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW20 - HIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW32 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G	
RW02 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					3.00	40.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	3000	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	287
ON CENTERLINE	☒		FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	S-14
34:1	
1615 TREE (31-041658) 415944.71N/0972702.12W (0.29)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:
ASSUMED VEGETATION HEIGHT 100FT PER FPT.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAYNE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE S-14 CATS C/D VISIBILITIES 1/2 SM AND CIRCLING CAT C VISIBILITY 1/2 SM AND CAT D VISIBILITY 1/4 SM; INCREASE FEGUN FIX MINIMUMS S-14 CAT C/D 3/8 SM; INCREASE CIRLCING CAT C/D 1/4 SM.

VDP NA WITH WAYNE ALTIMETER SETTING.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT</u> NORFOLK RGNL/KARL STEFAN MEMORIAL FLD	<u>AIRPORT ID</u> KOFK	<u>PROCEDURE NAME</u> VOR RWY 14	<u>AMDT NO.</u> 8	<u>CITY</u> NORFOLK	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 1573	<u>FACILITY</u> OFK
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	132.92
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1800
DISTANCE FROM	FACILITY	TO 1500FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	132.92
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1800

THRESHOLD
COORDINATES
(IF STR-IN)

415929.25N/0972631.92W

ARP COORDINATES

415907.66N/0972606.41W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 14 DISTANCE 0.53 NM

FAF
COORDINATES

FIX NAME
COORDINATES

MAP NORFOLK VOR/DME: 415916.54N/0972604.45W

REMARKS

THLD DISPLACED 287FT, ACTUAL COORDINATES: 415931.48N/0972634.26W.

QUALITY
19
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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AIRPORT
NORFOLK RGNL/KARL
STEFAN MEMORIAL FLD

AIRPORT ID
KOFK

PROCEDURE NAME
VOR RWY 14

AMDT NO.
8

CITY
NORFOLK

STATE
NE

AIRPORT ELEVATION
1573

FACILITY
OFK

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JACOB MAXFIELD	AJV-A431	01/24/2020	AERONAUTICAL INFORMATION SPECIALIST

