

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 32	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> NORFOLK	<u>STATE</u> NE	
<u>AIRPORT ELEVATION</u> 1573	<u>TDZE</u> 1560	<u>SUPERSEDED</u> VOR RWY 32	<u>ORIGINAL/AMENDMENT</u> 7A	<u>DATED</u> 07/19/2018	<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 4000 THEN LEFT TURN DIRECT OFK VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L SIDE OF COURSE 142.08 OUTBOUND 3300 FT WITHIN 10 MILES OF OFK VOR/DME (IAF)

2.

3. FAC: 322.08 FAF: DIST FAF TO MAP: DIST FAF TO THLD:

4. MIN ALT: JURTU/2.13 DME 2220

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

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
JURTU TO RW32: 3.50/48.6.
CHART VDP AT 1.59 DME
DISTANCE VDP TO THLD 1.10 NM
CHART FAS OBST: 1759 TREE 415709N/0972540W.
FAC CROSSES RWY C/L EXTENDED 4618 FT FROM THLD.
HOLD SE, RT, 322.00 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-32	2220	1	660	2220	1	660	2220	1 7/8	660	2220	1 7/8	660			
CIRCLING	2220	1	647	2220	1	647	2260	2	687	2360	2 1/2	787			
DME MINIMUMS															
S-32	2020	1	460	2020	1	460	2020	1 3/8	460	2020	1 3/8	460			
CIRCLING	2060	1	487	2100	1	527	2260	2	687	2360	2 1/2	787			

CHANGES - REASONS

1. INCORPORATED CHANGES FROM 7A - IAW 8260.19H PARA 8-3-4C (2).
2. CHANGED PT OUTBOUND COURSE FROM 140.00 TO 142.08 AND FAC FROM 320.00 TO 322.08 - ALIGNED TO OPTIMUM; NEW NAVAID DATA.
3. CHANGED SDF FROM "OFK 2 DME 2120" TO "JURTU/2.13 DME 2220" - 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 "1769 TREE 415732 / 972530" TO "CHART FAS OBST: 1759 TREE 415709N/0972540W." - NEW CONTROLLING OBSTACLE.
4. ADDED "CHART: CIRCLING ICON" - NEW CIRCLING RADIUS APPLIED.
5. CHANGED VDA/TCH FROM "2.00 DME TO RW 31: 3.17/45" TO "JURTU TO RW32: 3.50/48.6" - CHANGED VDA TO MATCH VGSI.
6. ADDED "VDP AT 1.59 DME" "DISTANCE VDP TO THLD 1.10 NM" TO ADDITIONAL FLIGHT DATA - MDA AND VDA CHANGED.
7. CHANGED S-14 CATS A, B, C MDA/HAT FROM 2120/560 TO 2220/660 AND CAT C VIS FROM 1 1/2 TO 1 7/8 - NEW CONTROLLING OBSTACLE; VISIBILITY IAW 8260.3D TABLE 3-3-1.
8. CHANGED S-14 CIRCLING CATS A AND B CMDA/HAA FROM 2120/547 TO 2220/647, CAT C CMDA/HAA 2120/547 TO 2260/687 AND CAT C VIS FROM 1 1/2 TO 2 - NEW STRAIGHT-IN MINS RAISING CMDA; VISIBILITY IAW 8260.3D TABLE 3-3-7.
9. CHANGED SDF MINIMUMS TITLE FROM "DME MINIMUMS" TO "JURTU FIX MINIMUMS (DME REQUIRED)" - FIX MUST BE NAMED IAW 8260.19H 2-10-5.A.
10. CHANGED SDF 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; VISIBILITY 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 31 TO 32 - MATCH WHAT IS PUBLISHED.
15. CHANGED AIRPORT NAME FROM "KARL STEFAN MEMORIAL" TO "NORFOLK RGNL/KARL STEFAN MEMORIAL FLD" - NEW AIRPORT DATA.
16. DELETED PROFILE NOTE "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - PROCEDURE ALIGNED WITH VGSI.
17. CHANGED MA HOLDING COURSE FROM 320.00 TO 322.00 - ALIGN WITH FINAL APPROACH COURSE.
18. 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 32

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 10, 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



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

<u>AIRPORT</u> NORFOLK RGNL/KARL STEFAN MEMORIAL FLD	<u>AIRPORT ID</u> KOFK	<u>PROCEDURE NAME</u> VOR RWY 32	<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 A: OBSTRUCTION DATA SEGMENTS

FINAL: PT

FROM 10 NM

TO
JURTU/2.13 DME

<u>RNP</u>	<u>DISTANCE</u> 10.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u> 660	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	415357.81N/0972503.00W		1910	50	20	2C	300					2220

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

FINAL: STEPDOWN

FROM JURTU/2.13 DME

TO
OFK VOR/DME

<u>RNP</u>	<u>DISTANCE</u> 2.13	<u>PAT</u>	<u>MAP</u> OFK VOR/DME	<u>HAT</u> 460	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
2.TREE (31-041944)	415709.43N/0972540.17W		1759	20	10	1B	250					2020

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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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 (31-000781)	420151.41N/0971934.09W		2209	50	20	2C	1000				AT91	3300
4.TERRAIN	420157.00N/0971939.00W		1824 (1800)								AS1500	3300

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 1920					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4000
5.TOWER (31-023909)	420430.03N/0973931.65W		2092	20	3	1A	1000					3100
6.TERRAIN	420415.00N/0973445.00W		1801 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT

NORFOLK RGNL/KARL

STEFAN MEMORIAL FLD

AIRPORT ID

KOFK

PROCEDURE NAME

VOR RWY 32

AMDT NO.

8

CITY

NORFOLK

STATE

NE

AIRPORT ELEVATION

1573

FACILITY

OFK

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	647/487	1744	20	3	1A	300		SI	2220/2060
CATEGORY B											
8. (31-040930)	415720.05N/0972753.99W	1.86	647/527	1782	20	10	1B	300		SI	2220/2100
CATEGORY C											
9.TOWER (31-000484)	420221.00N/0972546.00W	2.93	687/687	1891	250	50	4D	300		AC50	2260/2260
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:

QUALITY
19
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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZMP ARTCC

<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>
					3.50	48.6

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	4618	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	359
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-32
34:1	
1637 TREE (31-025813) 415830.83N/0972527.86W (10.08)	1639 TREE (31-024622) 415825.92N/0972534.17W (9.21)
1644 TREE (31-041283) 415823.68N/0972534.09W (8.85)	1638 TREE (31-024623) 415827.25N/0972531.88W (8.19)
1641 TREE (31-025814) 415823.77N/0972534.84W (7.09)	1617 TREE (31-040779) 415835.03N/0972532.85W (6.76)
1600 TREE (31-025818) 415840.40N/0972535.01W (5.3)	1640 TREE (31-025815) 415823.91N/0972533.88W (5.1)
1601 TREE (31-025819) 415840.15N/0972534.40W (4.88)	1630 TREE (31-041296) 415825.98N/0972537.19W (4.49)
1619 TREE (31-024621) 415831.54N/0972534.49W (2.82)	1624 TREE (31-041583) 415827.72N/0972537.07W (2.4)
1641 TREE (31-025802) 415821.63N/0972534.95W (2.22)	1599 BUILDING (31-022831) 415839.76N/0972533.92W (1.31)
1564 TERRAIN (31-042107) 415845.57N/0972549.28W (0.97)	

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 1/8 SM AND CIRCLING CAT C/D VISIBILITY 1/4 SM; INCREASE JURTU FIX MINIMUMS S-14 CAT C AND D 1/8 SM; INCREASE CIRLCING CAT C/D VISIBILITY 1/4 SM.

CHART NOTE: 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 32	<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	322.08
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1700
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	322.08
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1700

THRESHOLD
COORDINATES
(IF STR-IN)

415849.12N/0972549.79W

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 359FT, ACTUAL COORDINATES: 415846.33N/0972546.86W.

QUALITY
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CHECKED

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<u>AIRPORT</u> NORFOLK RGNL/KARL STEFAN MEMORIAL FLD	<u>AIRPORT ID</u> KOFK	<u>PROCEDURE NAME</u> VOR RWY 32	<u>AMDT NO.</u> 8	<u>CITY</u> NORFOLK	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 1573	<u>FACILITY</u> OFK
PART E: PREPARED BY							
<u>NAME</u> JACOB MAXFIELD	<u>OFFICE</u> AJV-A431			<u>DATE</u> 01/24/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST		

QUALITY
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