

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> SFQ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> SUFFOLK	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 70	<u>TDZE</u> 66	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 4A	<u>DATED</u> 11/08/2018
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 NOVEMBER 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 10W
				<u>EPOCH YEAR</u> 1995
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ORF VORTAC		SUFSO		TF	FB	1.00	220.72	33.84	2000
KOHLs	IAF	OLUCE	NOPT	TF	FB	1.00	053.15	9.66	2000
SUFSo	IAF	OLUCE	NOPT	TF	FB	1.00	310.03	9.99	2000
OLUCE	IF/IAF	ZAXIB		TF	FB	1.00	039.92	7.00	2000
ZAXIB	FAF	SIMLE/1.79 NM TO RW04		TF	FB	0.30	039.97	4.14	
SIMLE/1.79 NM TO RW04		RW04	MAP	TF	FO	0.30	039.97	1.79	
RW04	MAP	600 MSL		CA			039.97		600
600 MSL		OLUCE		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2000 DIRECT OLUCE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD SW OLUCE, RT, 039.92 INBOUND, 2000 IN LIEU OF PT (IAF), MAX 6000.				
3.	FAC: 039.97	FAF: ZAXIB	DIST FAF TO MAP:	5.93	DIST FAF TO THLD: 5.93
4.	MIN ALT: OLUCE 2000, ZAXIB 2000, SIMLE/1.79 NM TO RW04 680				
5.	DIST TO THLD FROM OM:	MM: IM:	150 HAT:	215 HAT: 0.53	GS ANT:
6.	MIN GP INCPT: 2000	GP ALT AT PFAF: ZAXIB 2000		OM:	MM: IM:
7.	GP ANGLE: 3.00	34:1: IS NOT CLEAR 20:1: IS CLEAR	TCH: 45.0		
8.	MSA FROM: RW04 2300				



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ORF VORTAC AIRWAY RADIALS 216 CW 233.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KOHLS ON T303 AND V1 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 183 TREE (51-042352) 363846N/0763700W.
CHART 486 TOWER (51-001066) 363541N/0764056W.
CHART VDP AT 1.05 NM TO RW04.
WAAS CHANNEL # 65824
REFERENCE PATH ID: W04A
LTP HAE: -16 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	281	3/4	215	281	3/4	215	281	3/4	215	281	3/4	215			
LNAV/VNAV DA	457	1 1/8	391	457	1 1/8	391	457	1 1/8	391	457	1 1/8	391			
LNAV MDA	440	1	374	440	1	374	440	1	374	440	1	374			
CIRCLING	500	1	430	560	1	490	680	1 3/4	610	680	2	610			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED FEEDER COURSE FROM 220.73 TO 220.72 - CORRECTED VALUE FROM PREVIOUS AMENDMENT.
2. TERMINAL ROUTES: REPLACED IAF CVI VORTAC WITH KOHLS, CHANGED SEGMENT COURSE FROM 053.24 TO 053.15 AND CHANGED DISTANCE FROM 9.57 TO 9.66 - CVI VOR MON PROGRAM.
3. TERMINAL ROUTES: CHANGED FAF TO SDF SEGMENT COURSE FROM 039.96 TO 039.97 AND DISTANCE FROM 4.13 TO 4.14 - FAF AND SDF RE-ALIGNED TO FAC AND RELOCATED BASED ON GPA/TCH.
4. TERMINAL ROUTES: CHANGED SDF TO MAP SEGMENT COURSE FROM 039.96 TO 039.97 AND DISTANCE FROM 1.80 TO 1.79 - SDF RE-ALIGNED TO FAC AND RELOCATED BASED ON GPA/TCH.
5. TERMINAL ROUTES: CHANGED SDF FROM "SIMLE/1.80 NM TO RW04" TO "SIMLE/1.79 NM TO RW04" - SDF RE-ALIGNED TO FAC AND RELOCATED BASED ON GPA TCH.
6. TERMINAL ROUTES: CHANGED CA LEG COURSE FROM 039.96 TO 039.97 - BASED ON FAC.
7. PROFILE LINE 3: CHANGED FAC FROM 039.96 TO 039.97 - FAF RELOCATED BASED ON GPA/TCH.
8. PROFILE LINE 4: CHANGED MIN ALT FROM "OLUCE 2000, ZAXIB 2000, SIMLE/1.80 NM TO RW04 680*" TO "OLUCE 2000, ZAXIB 2000, SIMLE/1.79 NM TO RW04 680" - SDF RELOCATED BASED ON GPA TCH.
9. PROFILE LINE 5: CHANGED FROM "256 HAT: 0.66" TO "215 HAT: 0.53" - FAF RELOCATED BASED ON GPA/TCH.
10. PROFILE LINE 7: CHANGED FROM "34:1: IS CLEAR" TO "34:1: IS NOT CLEAR" - PENETRATIONS EXIST.
11. PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH-GPS" - IAW 8260.19J. PARA 8-6-8D(1).
12. ADDED "CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 PENETRATIONS EXIST.
13. REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CVI VORTAC AIRWAY RADIALS 351 CW 086" - CVI VORTAC REMOVED FROM PROCEDURE DUE TO VOR MON PROGRAM.
14. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KOHLS ON T303 AND V1 SOUTHWEST BOUND" - TURN EXCEEDS 90 DEGREES.
15. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - NO LONGER REQUIRED.
16. ADDITIONAL FLIGHT DATA: REMOVED "*"LNAV ONLY" AND "*" FROM "CHART VDP AT 1.05 NM TO RW04" - NO LONGER REQUIRED.
17. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "179 TREE 363859N/0763656W" TO "183 TREE (51-042352) 363846N/0763700W" - NEW CONTROLLING OBSTACLE.
18. ADDITIONAL FLIGHT DATA: ADDED ID (51-001066) TO 7:1 OBSTACLE - PER CURRENT CRITERIA DOCUMENTATION STANDARDS.
19. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINS - PER CURRENT CRITERIA DOCUMENTATION STANDARDS.
20. CHANGED LPV ALL CATS MINS DA/HAT FROM 322/256 TO 281/215 AND ALL CATS VISIBILITIES FROM 7/8 SM TO 3/4 SM - LPV FINAL ASC AND NEW MA ADJ PENETRATION.
21. CHANGED LNAV/VNAV ALL CATS MINS DA/HAT FROM 474/408 TO 457/391 AND ALL CATS VISIBILITIES FROM 1 3/8 SM TO 1 1/8 SM - NEW CONTROLLING OBSTACLE.
22. CRC REMINDEWR CHANGED FROM "5139AE2B" TO "CEF777FF" - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "-00016" TO "-00160", FPAP COORDINATES CHANGED FROM "364151.3810N/0763513.3545W" TO "364151.3770N/0763513.3460W".

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ORF APP CON, ZDC, AMGR

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by

CASIMIR L TABAKA

Sep 05, 2025

OFFICE

AJF

DATE

09/03/2025

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by

CASIMIR L TABAKA

Sep 05, 2025

OFFICE

AJV-A432

DATE

06/10/2025

APPROVED BY

CASIMIR L. TABAKA

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CASIMIR L TABAKA

Sep 05, 2025

OFFICE

AJV-A432

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFQ
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	364034.1190N
LTP/FTP LONGITUDE	0763608.7510W
LTP/FTP ELLIPSOIDAL HEIGHT	-00160
FPAP LATITUDE	364151.3770N
FPAP LONGITUDE	0763513.3460W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	CEF777FF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00202
FPAP ORTHOMETRIC HEIGHT	+00202

