

**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> KFSO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> HIGHGATE	<u>STATE</u> VT	
<u>AIRPORT ELEVATION</u> 228	<u>TDZE</u> 228	<u>SUPERSEDED</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 16W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 095/30 CW 275/30	NOPT	095/9 CW 275/9		3900
2. 095/9 CW 275/9		UPEDE	IF/IAF	1800
3. 275/30 CW 095/30		275/9 CW 095/9		6200
4. 275/9 CW 095/9		UPEDE	IF/IAF	2400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UPEDE	IF/IAF	DUCED		TF	FB	1.00	185.44	6.31	1800
DUCED	FAF	RW19	MAP	TF	FO	0.30	185.45	3.42	
RW19	MAP	700 MSL		CA			185.45		700
700 MSL		JUTEK		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LP: RW19
LNAV: RW19

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JUTEK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD N UPEDE, RT, 185.44 INBOUND, 1800 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 185.45 **FAF:** DUCED **DIST FAF TO MAP:** 3.42 **DIST FAF TO THLD:** 3.42
- 4. **MIN ALT:** UPEDE 1800, DUCED 1800
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- 6. **MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:**
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 095.35 INBOUND.
CHART FAS OBST: 429 TREE (50-032186) 445715N/0730517W.
FAS OBST: 390 AAO 445829N/0730637W.
WAAS CHANNEL # 78122
REFERENCE PATH ID: W19A
CHART CIRCLING ICON.
DUCED TO RW19: 4.20/45.
LTP HAE: 40.2 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		
	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	640	1	412	640	1	412		NA			NA				
LNAV MDA	680	1	452	680	1	452		NA			NA				
CIRCLING	760	1	532	960	1	732		NA			NA				



CHANGES - REASONS

1. CHANGED PBN REQUIREMENTS NOTE: FROM RNP APCH TO RNP APCH - GPS - IAW 8260.191 8-6-8 B.
2. REMOVED CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES FROM NOTES - NEW EVALUATION WITH HIGHER GPA ELIMINATED VGS PENETRATIONS.
3. REMOVED IAF YJN AND FEEDER FROM WARDS FROM PROCEDURE - NAVCAN DECOM/BTV APP CON AND TEBW CENTER APPROVED/FPT INITIATED.
4. UPDATED UPEDE TO DUCED DISTANCE FROM "4.93" TO "6.31". - UPDATED FAF LOCATION LAT/LONG FROM "450122.45N/0730708.81W" TO "450001.45N/0730647.58W".
5. UPDATED DUCED TO RW19 COURSE AND DISTANCE FROM "185.46/4.80" TO 185.45/3.42" - UPDATED FAF LOCATION LAT/LONG FROM "450122.45N/0730708.81W" TO "450001.45N/0730647.58W".
6. UPDATED CA ALTITUDE FROM "628 MSL" TO "700 MSL" AND COURSE FROM "185.46" TO "185.45" - NEW EVALUATION.
7. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING RIGHT TURN TO 3000 DIRECT JUTEK AND HOLD" TO "CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JUTEK AND HOLD" - IAW 8260.58B 3-5-2 A (1)
8. PROFILE LINE 3: UPDATED FAC FROM "185.46" TO "185.45" AND UPDATED DIST PFAF TO MAP: AND DIST PFAF TO THLD: FROM "4.80" TO "3.42". - NEW EVALUATION WITH GPA OF 4.20 AND TCH OF 45.
9. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON YJN VORTAC AIRWAY RADIALS 084 CW 102 FROM NOTES - YJN (IAF) NO LONGER PART OF PROCEDURE.
10. UPDATED FINAL APPROACH COURSE FROM "185.46" TO "185.45" - UPDATED FAF LOCATION LAT/LONG FROM "450122.45N/0730708.81W" TO "450001.45N/0730647.58W".
11. REPLACED MSA WITH STRAIGHT-IN TAA. - REMOVED FEEDERS AND ADD TAA PER FPT REQUEST.
12. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA. - APPLICATION OF NEW CIRCLING CRITERIA.
13. REMOVED ALL NOTES REFERENCING BACK-UP ALTIMETER SETTING - PRIMARY AWOS ON WMSCR, ADJUSTMENTS MOVED TO FORM 8260-9 FOR CONTINGENCY USE.
14. UPDATED CHART FAS OBST: FROM "459 TREE 445715N/0730517W" TO "429 TREE (50-032186) 445715N/0730517W." - NEW FAS OBSTACLES ARE A RESULT OF THE NEW EVALUATION.
15. UPDATED FAS OBST: FROM "399 AAO 445829N/0730637W" TO "FAS OBST: 390 AAO 445829N/0730637W." - NEW EVALUATION.
16. DECREASED LP MDA/HAT FOR ALL CATEGORIES FROM "660/432" TO "640/412" - NEW CONTROLLING OBSTACLE ON FINAL.
17. DECREASED LNAV MDA/HAT FOR ALL CATEGORIES FROM "720/492" TO "680/452" - NEW CONTROLLING OBSTACLE ON FINAL.
18. DECREASED CIRCLING CMDA/HAA FOR CAT A FROM "780/552" TO "760/532" AND INCREASED CAT B FROM "820/592" TO "960/732" - NEW EVALUATION.
19. CRC REMAINDER CHANGED FROM "129E035B" TO "1B20F743" - UPDATED FAS DATA FOR FPAP LATITUDE LONGITUDE FROM " 445511.9785N/0730531.7515W" TO "445511.9795N/0730531.7410W" AND ADDED GPA 4.20/TCH 45.00.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** BTV APP CON, ZBW, AMGR

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by

DONALD H LANIER

Jul 12, 2021

OFFICE

FICO

DATE

07/08/2021

DEVELOPED BY

DONALD H. LANIER (CHRISTOPHER SCHONES)

Digitally signed by

DONALD H LANIER

Jul 12, 2021

OFFICE

AJV-A431

DATE

01/11/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

Jul 12, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFSO
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	445639.5700N
LTP/FTP LONGITUDE	0730554.6670W
LTP/FTP ELLIPSOIDAL HEIGHT	+00402
FPAP LATITUDE	445511.9795N
FPAP LONGITUDE	0730531.7410W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	04.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1832
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	1B20F743

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00694
FPAP ORTHOMETRIC HEIGHT	+00694