

**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.

AIRPORT ID SFM	PROCEDURE NAME RNAV (GPS) RWY 7	ORIGINAL/AMENDMENT ORIG-E	CITY SANFORD	STATE ME
AIRPORT ELEVATION 244	TDZE 241	SUPERSEDED RNAV (GPS) RWY 7	DATED 03/26/2020	MAG VAR 17W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 16 MAY 2024	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1990
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ENE VOR/DME		HAVAN		TF	FO	1.00	256.87	17.58	3000
CON VOR/DME	IAF	HAVAN	NOPT	TF	FB	1.00	099.41	27.20	3000
HAVAN	IF/IAF	FACNO		TF	FB	1.00	075.18	6.10	2300
FACNO	FAF	XAWFE/2.30 NM TO RW07		TF	FB	0.30	075.27	3.99	
XAWFE/2.30 NM TO RW07		RW07	MAP	TF	FO	0.30	075.27	2.30	
RW07	MAP	441 MSL		CA			075.27		
441 MSL		YEYUV		DF	FB	1.00			
YEYUV		ENE VOR/DME		TF	FO	1.00	085.11	2.62	3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW07

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT YEYUV AND ON TRACK 085.11 TO ENE VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
HOLD W HAVAN, RT, 075.18 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 075.27 **FAF:** FACNO **DIST FAF TO MAP:** 6.29 **DIST FAF TO THLD:** 6.29
- MIN ALT:** HAVAN 3000, FACNO 2300, XAWFE/2.30 NM TO RW07 1020
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.45 **GS ANT:**
- MIN GP INCPT:** 2300 **GP ALT AT PFAF:** FACNO 2300 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 57.1
- MSA FROM:** RW07 3600



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ROCHESTER ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER ALTIMETER SETTING: INCREASE LPV DA TO 479; INCREASE LNAV/VNAV DA TO 699 AND VISIBILITY ALL CATS 1/8 SM; INCREASE ALL MDAS 40 FEET, AND CIRCLING CAT C VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 242.00 INBOUND.
 CHART FAS OBST: 579 TREES 432125N/0704542W.
 CHART VDP AT 1.72 NM TO RW07.
 WAAS CHANNEL # 86921
 REFERENCE PATH ID: W07A
 CHART CIRCLING ICON.
 LTP HAE: 46.7 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 1000-2 3/4, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	441	3/4	200	441	3/4	200	441	3/4	200	441	3/4	200			
LNAV/VNAV DA	650	1 3/8	409	650	1 3/8	409	650	1 3/8	409	650	1 3/8	409			
LNAV MDA	840	1	599	840	1	599	840	1 3/4	599	840	1 3/4	599			
CIRCLING	840	1	596	840	1	596	1180	2 3/4	936	1240	3	996			

CHANGES - REASONS

- INCORPORATED CHANGES FROM P-NOTAMS FOR AMDT ORIG-D INTO FORM - IAW 8260.19I PARA 8-3-4.C (3).
- REMOVED FEEDER FROM MHT VOR/DME - MHT VOR MON.
- PROFILE LINE 2: ADDED "MAX 6000" - IAW 8260.19I, 8-6-7.B(2).
- PROFILE LINE 5: ADDED "200 HAT: 0.45" - IAW 8260.19I 8-6-7.E.
- PROFILE LINE 7: ADDED "20:1: IS CLEAR" - NO 20:1 PENETRATIONS DOCUMENTED.
- REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58B TABLE 1-2-1.
- UPDATED "CHART PROFILE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - IAW 8260.19I 8-6-9.R.
- AMENDED NOTE FROM "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19I PARA 8-6-11.K (3).
- UPDATED REMOTE ALTIMETER LOCATION NAME IN ALL APPLICABLE NOTES, REMOVED ", NH" - IAW 8260.19I 8-6-11.N.(1)(A).
- ADD FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 200 HAT: 0.45 NM" NOTE - DATA NOW LOCATED ON PROFILE LINE 5.
- ADD FLIGHT DATA: REMOVED "LNAV ONLY" AND THE * FROM "CHART VDP..." NOTE AND FROM PROFILE LINE 4 "1020" ALT - NO LONGER REQUIRED.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZBW, BOS APP CON, PWM APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by
CASIMIR L TABAKA

DATE

Mar 01, 2024

DEVELOPED BY

CASIMIR L. TABAKA (GEORGE H. TYLER)

Digitally signed by
CASIMIR L TABAKA

Mar 01, 2024

OFFICE

AJV-A432

DATE

11/14/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA

Mar 01, 2024

OFFICE

AJV-A430

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD
OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA
0
0
KSFM
RW07
0
0
W07A
432312.0110N
0704311.0760W
+00467
432358.7500N
0704127.0300W
00057.1
F
03.00
106.75
0800
40.0
35.0

CRC REMAINDER

F4985512

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00733
+00733

