

**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.

<b><u>AIRPORT</u></b> STEWART INTL	<b><u>AIRPORT ID</u></b> KSWF	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 9	<b><u>ORIGINAL/AMENDMENT</u></b> 1D	<b><u>CITY</u></b> NEW YORK	<b><u>STATE</u></b> NY
<b><u>AIRPORT ELEVATION</u></b> 491	<b><u>TDZE</u></b> 482	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 9	<b><u>ORIGINAL/AMENDMENT</u></b> 1C	<b><u>DATED</u></b> 09/15/2016	<b><u>MAG VAR</u></b> 14W
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 13 SEPTEMBER 2018	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL/SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 1995

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
HELON		GAGDE		TF	FB	2.00	226.64	8.60	3900
CAMMO		GAGDE		TF	FB	2.00	136.06	8.90	3900
GAGDE	IAF	EKETE		TF	FB	1.00	182.19	5.00	3000
FALUT	IAF	EKETE		TF	FB	1.00	002.23	5.00	3000
EKETE	IF	CEVAX		TF	FB	1.00	092.21	6.10	2100
CEVAX	FAF	RW09	MAP	TF	FO	0.30	092.30	4.83	
RW09	MAP	682 MSL		CA			092.30		
682 MSL		ETUGE		DF	FO	1.00			3100

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW09

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3100 DIRECT ETUGE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. PROFILE STARTS AT EKETE
3. FAC: 092.30

FAF: CEVAX

DIST FAF TO MAP: 4.83

DIST FAF TO THLD: 4.83
4. MIN ALT: EKETE 3000, CEVAX 2100
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.44

GS ANT:
6. MIN GP INCPT: 2100

GP ALT AT FAF : CEVAX 2100

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 59.8
8. MSA FROM: RW09 4400

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH (FEET)).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HELON ON V213-249 NORTHEAST BOUND.  
CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT FALUT.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 1.49 NM TO RW09\*  
\*LNAV ONLY  
WAAS CHANNEL #62818  
REFERENCE PATH ID: W09A  
CHART FAS OBST: 759 TREES 412930N/0740830W.  
HOLD E, RT, 272.57 INBOUND  
LTP HAE: 115.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

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	682	2400	200	682	2400	200	682	2400	200	682	2400	200			
LNAV/VNAV DA	1098	2	616	1098	2	616	1098	2	616	1098	2	616			
LNAV MDA	1020	2400	538	1020	2400	538	1020	5500	538	1020	6000	538			
CIRCLING	1200	1	709	1200	1	709	1200	2	709	1200	2 1/4	709			



**CHANGES - REASONS**

- 1. FAS DATA CRC REMAINDER CHANGED FROM 72CC9930 TO 2015229B - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +01148 TO +01151, LTP AND FPAP ORTHOMETRIC HEIGHTS CHANGED FROM +01466 TO +01469.
- 2. ADDED 20:1 IS CLEAR - NEW OBSTACLE DATA AVAILABLE.
- 3. REMOVED 20:1 OBSTACLES - NEW OBSTACLE DATA AVAILABLE.
- 4. REMOVED CHART NOTE: STRAIGHT-IN AND CIRCLING TO RWY 16 NA AT NIGHT. - NEW OBSTACLE DATA AVAILBALE 20:1'S NO LONGER EXIST.
- 5. REMOVED DME/DME RNP-0.3 NA - UPDATED TO CURRENT CRITERIA.
- 6. REMOVED FAHRENHEIT FROM BARO/NAV NOTE - UPDATED TO CURRENT CRITERIA.
- 7. ADDED PBN REQUIREMENTS NOTE RNP APCH - UPDATED TO CURRENT CRITERIA.
- 8. CHANGED TDZE FROM 481 TO 843 - NEW DATA AVAILABLE
- 9. CHANGED LPV DA FROM 681 TO 682 - NEW DATA AVAILABLE
- 10. CHANGED LNAV/VNAV DA FROM 1097 TO 1098 - NEW DATA AVAILABLE
- 11. CHANGED LNAV HAT FROM 539 TO 538 - NEW DATA AVAILABLE
- 12. CHANGED LNAV CAT C VIS FROM 6000 TO 5500 - NEW DATA AVAILABLE
- 13. INCORPERATED CURRENTLY PUBLISHED P-NOTAMS - MAJOR AMENDMENT
- 14. ADDED CIRCLING OBSTACLE(KSWFT0819) FROM ILS RWY 9 IAP - UPDATED TO NEW CIRCLING CRITERIA
- 15. ADDED CHART CIRCLING ICON - NEW CRITERIA. MINIMA FROM ILS OR LOC RWY 9 UTILIZED



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZBW, N90, SWF ATCT, AMGR, ATA

FLIGHT CHECKED BY

FLIGHT INSPECTION NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017

DEVELOPED BY

LONNIE EVERHART

APPROVED BY

LONNIE EVERHART

Digitally signed by

BEV L BORDY

Aug 06, 2018

Digitally signed by

BEV L BORDY

Aug 06, 2018

OFFICE

OFFICE

AJV-5400

OFFICE

AJV-5400

DATE

Digitally signed by

BEV L BORDY

Aug 06, 2018

DATE

04/11/2018

DATE

TITLE

MANAGER



**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSWF
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	413007.0025N
LTP/FTP LONGITUDE	0740724.2410W
LTP/FTP ELLIPSOIDAL HEIGHT	+01151
FPAP LATITUDE	413026.5380N
FPAP LONGITUDE	0740517.8585W
THRESHOLD CROSSING HEIGHT (TCH)	00059.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 2015229B

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01469
FPAP ORTHOMETRIC HEIGHT	+01469

