

**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> KFLO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> FLORENCE	<u>STATE</u> SC		
<u>AIRPORT ELEVATION</u> 147	<u>TDZE</u> 144	<u>SUPERSEDED</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 01/27/2022	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 100/30 CW 281/30	NOPT	100/15 CW 281/15		3200
2. 100/15 CW 281/15		TNPIN	IF/IAF	2000
3. 281/30 CW 010/30		RINCE	IAF	3200
4. 010/30 CW 100/30		IQESY	IAF	2000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
IQESY	IAF	TNPIN	NOPT	TF	FB	1.00	100.39	9.00	2000
RINCE	IAF	TNPIN	NOPT	TF	FB	1.00	280.59	9.00	2000
TNPIN	IF/IAF	FRACK		TF	FB	1.00	190.49	5.99	1700
FRACK	FAF	HOBEN/2.06 NM TO RW19		TF	FB	0.30	190.50	2.70	
HOBEN/2.06 NM TO RW19		RW19	MAP	TF	FO	0.30	190.50	2.06	
RW19	MAP	547 MSL		CA			190.50		
547 MSL		TNPIN		DF	FO	1.00			2000



MISSED APPROACH

MAP:

LNAV: RW19

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 2000 DIRECT TNPIN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- 1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- 2. HOLD N TNPIN, LT, 190.49 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. FAC: 190.50 FAF: FRACK DIST FAF TO MAP: 4.76 DIST FAF TO THLD: 4.76
- 4. MIN ALT: TNPIN 2000, FRACK 1700, HOBEN/2.06 NM TO RW19 840
- 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
- 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: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: STRAIGHT-IN RWY 19 NA AT NIGHT, CIRCLING RWY 1, 19 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 300 TANK (45-000716) 341216N/0794348W.
 CHART 948 TOWER 341618N/0794333W, 383 TOWER 341347N/0794330W.
 FRACK TO RW19: 3.00/42.

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, 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
LNAV MDA	560	1	416	560	1	416	560	1 1/8	416	560	1 1/8	416			
CIRCLING	640	1	493	660	1	513	900	2 1/4	753	900	2 1/2	753			

CHANGES - REASONS

1. DECREASED LNAV MDA/HAT FROM 580/437 TO 560/416; VISIBILITY CAT C FROM 1 1/4 TO 1 1/8 AND CAT D FROM 1 1/2 TO 1 1/8. - NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
2. ALL COURSES UPDATED 4 DEGREES. - KFLO MAGVAR UPDATED FROM W5/1980 TO W9/2025.
3. REMOVED FEEDER FROM CARLI, INITIALS FROM DUNGY AND COPEL. - TAA ADDED PER ATC REQUEST.
4. REMOVED MSA. ADDED TAA WITH LEFT BASE INITIAL FROM RINCE, RIGHT BASE FROM IQESY. - PER ATC/FPT REQUEST.
5. UPDATED INTERMEDIATE DISTANCE FROM 6.05 TO 5.99. - FAF MOVED TO ACCOMMODATE 3.00 GPA.
6. UPDATED FINAL DISTANCE FRACK TO HOBEN FROM 2.60 TO 2.70, AND HOBEN TO RW19 FROM 2.10 TO 2.06. - FAF AND STEPDOWN MOVED TO ACCOMMODATE 3.00 GPA.
7. UPDATED MISSED APPROACH FROM "CLIMB TO 2000 DIRECT PAILS AND VIA 184.13 TRACK TO NUTAL AND HOLD" TO "CLIMBING RIGHT TURN TO 2000 DIRECT TNPIN AND HOLD." - PER FPT REQUEST.
8. PROFILE LINE 2: ADDED MAX ALTITUDE 6000. - UPDATED FORMS.
9. PROFILE LINE 3: UPDATED DIST FAF TO MAP/THLD FROM 4.70 TO 4.76. - FAF MOVED TO ACCOMMODATE 3.00 GPA.
10. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58B TABLE 1-2-1.
11. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA UPDATED TO RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. - IAW 8260.19I 8-6-11 K.3.
12. REMOVED CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT DUNGY VIA V3 NORTHBOUND. PROCEDURE NA FOR ARRIVALS AT CARLI VIA V139 EAST BOUND. PROCEDURE NA FOR ARRIVALS AT COPEL VIA V259 NORTHWEST BOUND." - FEEDER AND INITIALS REMOVED PER FPT REQUEST.
13. CHART NOTE: MOVED ALTERNATE ALTIMETER NOTE TO 8260-9 PART C - REMARKS. - IAW 8260.19H 8-6-9 F.
14. ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - IAW 8260.19I 8-6-9 M(2).
15. REMOVED ADDITIONAL FLIGHT DATA: CHART APT ELEV 146, TDZ ELEV 143. - NO LONGER REQUIRED.
16. REMOVED ADDITIONAL FLIGHT DATA: CHART: ASR - NO LONGER REQUIRED; NEED DETERMINED BY CHARTING.
17. REMOVED ADDITIONAL FLIGHT DATA: MA HOLDING "HOLD S, RT, 004.14 INBOUND." - SAME AS HOLD-IN-LIEU PROFILE LINE 2.
18. UPDATED CHART FAS OBST FROM "419 TWR 341306N/0794435W" TO "300 TANK (45-000716) 341216N/0794348W." - NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
19. UPDATED ADDITIONAL FLIGHT DATA: FROM "CHART 949 TOWER 341618N/0794333W, 547 TOWER 341349N/0794450W" TO "948 TOWER 341618N/0794333W, 383 TOWER 341347N/0794330W." - NEW 7:1 EXCLUDED OBSTACLES.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZJX, FLO APP CON, FLO ATCT, ARPT MNGR

FLIGHT CHECKED BY

JAMES L REINEBOLD

Digitally signed by

CASIMIR L TABAKA

Jun 28, 2023

OFFICE

FPO

DATE

06/02/2023

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by

CASIMIR L TABAKA

Apr 07, 2023

OFFICE

AJV-A432

DATE

07/28/2022

APPROVED BY

JOHNNIE BAKER

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CASIMIR L TABAKA

Apr 07, 2023

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AJV-A430

DATE

TITLE

MANAGER

