

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> KFL | <u>PROCEDURE NAME</u> RNAV (RNP) Y RWY 10L | <u>ORIGINAL/AMENDMENT</u> 2 | <u>CITY</u> FORT LAUDERDALE | <u>STATE</u> FL | | |
| <u>AIRPORT ELEVATION</u> 65 | <u>TDZE</u> 7 | <u>SUPERSEDED</u> RNAV (RNP) Y RWY 10L | <u>ORIGINAL/AMENDMENT</u> 1E | <u>DATED</u> 08/12/2021 | <u>MAG VAR</u> 6W | <u>EPOCH YEAR</u> 2015 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 14 JULY 2022 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | | |

TERMINAL ROUTES

| <u>FROM</u> | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|--------------------|------------------------|------------------|------------------------|------------------------|---------------------|-------------------|------------------------------|------------------------|------------------------|
| HOLID | IF | GAMVE | | TF | FB | 1.00 | 096.22 | 6.93 | 4000 |
| GAMVE | | WAROR | | TF | FB | 1.00 | 096.29 | 3.14 | 3000 |
| WAROR | | SIYOL | | TF | FB | 1.00 | 096.28 | 2.51 | 2200 |
| YELUY | IF | OGIHI | | TF | FB | 1.00 | 276.39 | 3.00 | 4300 |
| OGIHI | | IJEPY | | RF | FB | 1.00 | (2.39 NM RADIUS CCW (CFFSS)) | 1.26 | 3900 |
| IJEPY | | VANUY | | RF | FB | 1.00 | (2.39 NM RADIUS CCW (CFBMB)) | 2.50 | 3200 |
| VANUY | | SIYOL | | RF | FB | 1.00 | (2.00 NM RADIUS CCW (CFBMC)) | 3.14 | 2200 |
| SIYOL | | NOVAE | PFAF | TF | FB | 1.00 | 096.31 | 1.26 | 1800 |
| NOVAE | PFAF | RW10L | MAP | TF | FO | 0.30 | 096.31 | 5.48 | |
| RW10L | MAP | 500 MSL | | CA | | | 096.31 | | 500 |
| 500 MSL | | MARTS | | DF | FO | 1.00 | | | 4000 |

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500, THEN CLIMB TO 4000 DIRECT MARTS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
22
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT SIYOL

3. FAC: 096.31

PFAF: NOVAE

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: SIYOL 2200, NOVAE 1800

5. DIST TO THLD FROM PFAF: 5.48

MM:

IM:

150 HAT:

330 HAT: 0.89

GS ANT:

6. MIN GP INCPT: 1800

GP ALT AT PFAF : NOVAE 1800

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 48.8

8. MSA FROM: RW10L 2100

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 7°C OR ABOVE 54°C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HOLID ON V157-511-599 NORTHWEST BOUND.
CHART SPEED ICON IN PLANVIEW AT YELUY: MAX 230 KIAS.
CHART SPEED ICON IN PLANVIEW AT VANUY: MAX 200 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 5000 AT HOLID
CHART MINIMUM 5000 AT YELUY
HOLD E, RT, 270.00 INBOUND.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

| 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 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| AUTHORIZATION REQUIRED | | | | | | | | | | | | | | | |
| RNP 0.15 DA | 337 | 2600 | 330 | 337 | 2600 | 330 | 337 | 2600 | 330 | 337 | 2600 | 330 | | | |
| RNP 0.30 DA | 391 | 3500 | 384 | 391 | 3500 | 384 | 391 | 3500 | 384 | 391 | 3500 | 384 | | | |

QUALITY
22
CHECKED

CHANGES - REASONS

- TERMINAL ROUTES HOLID TO ZARLA AND ZARLA TO SIYOL REPLACED WITH HOLID TO GAMVE, GAMVE TO WAROR AND WAROR TO SIYOL - ATC REQUEST TO MATCH RNAV (GPS) Z RWY 10L.
- TERMINAL ROUTES YELUY TO OGIHI, OGIHI TO IJEPY, IJEPY TO VANUY AND VANUY TO SIYOL, RNP VALUE CHANGED FROM 0.50 TO 1.00 - NO REQUIREMENT FOR RNP 0.50 ON THESE LEGS.
- TERMINAL ROUTE OGIHI TO IJEPY, RF CENTER FIX CHANGED FROM CFBMB TO CFFSS - SLIGHT CHANGE IN RF CENTER COORDINATES DUE TO NEW EVALUATION.
- TERMINAL ROUTE SIYOL TO RW10L DELETED - NEW PFAF LOCATION.
- TERMINAL ROUTES SIYOL TO NOVAE AND NOVAE TO RW10L ADDED - PFAF CHANGED TO NOVAE TO MATCH RNAV (GPS) Z RWY 10L.
- PROFILE SECTION, LINE 2, CHANGED SIYOL TO NOVAE - PFAF CHANGED TO NOVAE.
- PROFILE SECTION, LINE 3, ADDED "PFAF: NOVAE" - 8260.19I REQUIREMENT.
- PROFILE SECTION, LINE 4, ADDED "NOVAE 1800" - PFAF CHANGED TO NOVAE.
- PROFILE SECTION, LINE 5, CHANGED DIST FROM 6.74 TO 5.48 AND "361 HAT: 0.99" TO "330 HAT: 0.89" - PFAF CHANGED TO NOVAE AND DA LOWERED.
- PROFILE SECTION, LINE 6, CHANGED MIN GP INCPT FROM 2200 TO 1800 AND GP ALT AT PFAF FROM SIYOL 2200 TO NOVAE 1800 - PFAF CHANGED TO NOVAE.
- PROFILE SECTION, LINE 7, CHANGED TCH FROM 47.6# TO 48.8 - TO MATCH ILS GLIDESLOPE, # SYMBOL NO LONGER REQUIRED ON RNAV (RNP) PROCEDURES.
- PBN REQUIREMENTS NOTE, CHANGED "RNP AR APCH" TO "RNP AR APCH - GPS" - 8260.19I.
- BARO-VNAV NOTE, CHANGED MINIMUM TEMPERATURE FROM 5 C TO 7 C - RECALCULATION USING CURRENT TEMPERATURE DATA.
- DELETED PLANVIEW NOTE "RF REQUIRED" - RF IS NOW A REQUIRED PART OF THE RNP AR APCH NAVSPEC.
- DELETED PLANVIEW NOTE "RNP 0.50" - ROUTE FROM YELUY IS NOW STANDARD RNP 1.00.
- DELETED BOTH INOPERATIVE ALS NOTES - NO-LIGHT INCREASES ARE NOW STANDARD.
- CHANGED YELUY SPEED RESTRICTION FROM 210 TO 230 - CURRENT CRITERIA ALLOWS INCREASED BANK ANGLE.
- DELETED HOLID SPEED RESTRICTION - TO MATCH TEEKY (RNAV) STAR.
- MINIMUMS, CHANGED RNP 0.15 DA/VIS/HAT FROM 368/5000/361 TO 337/2600/330 - NEW CONTROLLING OBSTACLE, OCS SLOPE AND VISIBILITY CALCULATIONS SINCE LAST FULL AMENDMENT.
- MINIMUMS, CHANGED RNP 0.30 DA/VIS/HAT FROM 445/1 1/2/438 TO 391/3500/384 - NEW CONTROLLING OBSTACLE, OCS SLOPE AND VISIBILITY CALCULATIONS SINCE LAST FULL AMENDMENT.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMA, MIA APP CON, FLL ATCT, BROWARD COUNTY

FLIGHT CHECKED BY

ROBERT E WILLIAMS

*Digitally signed by***JASON KRETSCHMER**

Mar 16, 2022

OFFICE

FPO

DATE

03/15/2022

DEVELOPED BY

RUSSELL ROSLEWSKI

*Digitally signed by***RUSSELL ROSLEWSKI**

Jan 11, 2022

OFFICE

AJV-A421

DATE

01/05/2022

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JASON KRETSCHMER**

Jan 24, 2022

OFFICE

AJV-A420

DATE**TITLE**
MANAGER