

**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> KMSS | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 27 | <u>ORIGINAL/AMENDMENT</u> 2 | <u>CITY</u> MASSENA | <u>STATE</u> NY | | |
| <u>AIRPORT ELEVATION</u> 221 | <u>TDZE</u> 205 | <u>SUPERSEDED</u> RNAV (GPS) RWY 27 | <u>ORIGINAL/AMENDMENT</u> 1D | <u>DATED</u> 03/25/2021 | <u>MAG VAR</u> 14W | <u>EPOCH YEAR</u> 1980 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | | |

TAA

| FROM | FIX TYPE | TO | FIX TYPE | ALTITUDE |
|---------------------|----------|----------------|----------|----------|
| 1. 180/30 CW 360/30 | NOPT | 180/9 CW 360/9 | | 5600 |
| 2. 180/9 CW 360/9 | | YUDUK | IF/IAF | 2900 |
| 3. 360/30 CW 090/30 | | ZAKOD | IAF | 5100 |
| 4. 090/30 CW 180/30 | | JURGO | IAF | 2900 |

TERMINAL ROUTES

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE | ALTITUDE |
|----------|----------|----------|----------|----------|-------|------|--------|----------|----------|
| JURGO | IAF | YUDUK | NOPT | TF | FB | 1.00 | 180.38 | 6.70 | 2900 |
| ZAKOD | IAF | YUDUK | NOPT | TF | FB | 1.00 | 000.43 | 6.70 | 2900 |
| YUDUK | IF/IAF | UVENE | | TF | FB | 1.00 | 270.40 | 5.00 | 1900 |
| UVENE | FAF | RW27 | MAP | TF | FO | 0.30 | 270.32 | 5.18 | |
| RW27 | MAP | 1000 MSL | | CA | | | 270.32 | | 1000 |
| 1000 MSL | | YUDUK | | DF | FO | 1.00 | | | 2900 |

MISSED APPROACH

MAP:

LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN 2900 DIRECT YUDUK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. LNAV CAT D VISIBILITY CHANGED FROM 1 1/2 TO 1 3/8 - PER VISCHECK.
2. CIRCLING CAT C MDA/VIS/HAA CHANGED FROM "800/1 1/2/579" TO "880/1 3/4/659" - NEW CONTROLLING OBSTACLE.
3. CIRCLING CAT D MDA/VIS/HAA CHANGED FROM "900/2 1/4/679" TO "880/2/659" - XP REMOVED KEEPING MINIMA AS PREVIOUSLY PUBLISHED.
4. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING LEFT TURN TO 1900 DIRECT MSS VORTAC AND HOLD" TO "CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2900 DIRECT YUDUK AND HOLD"- MA MOVED TO YUDUK PER ZBW/FPT REQUEST AND MSS VORTAC DECOMMISSIONING, INSTRUCTIONS IAW 8260.19I PARA 8-6-6.D.(5).
5. UPDATED DISTANCE FOR LEG UVENE TO RW27 IN TERMINAL ROUTES FROM "5.14" TO "5.18" - APPROACH GEOMETRY CHANGED DUE TO 2019 SURVEY, AND DESIGN TCH CHANGE.
6. UPDATED COURSE/DISTANCE FOR LEG YUDUK TO UVENE IN TERMINAL ROUTES FROM "270.42/6.10" TO "270.40/5.00" - APPROACH GEOMETRY CHANGED DUE TO 2019 SURVEY, LEG LENGTH UPDATED IAW 8260.58A PARA 1-3-1.E.(2).
7. UPDATED COURSE/DISTANCE FOR LEG JURGO TO YUDUK IN TERMINAL ROUTES FROM "180.40/5.00" TO "180.38/6.70" - APPROACH GEOMETRY CHANGED DUE TO 2019 SURVEY, T PATTERN LEG LENGTH UPDATED TO ACCOMMODATE ATC VECTORS.
8. UPDATED LEG IN TERMINAL ROUTES FROM "FROM HINED, TO YUDUK, COURSE 000.44, DISTANCE 5.00" TO "FROM ZAKOD, TO YUDUK, COURSE 000.43, DISTANCE 6.70" - HINED SHARED BY MULTIPLE APPROACHES AND UNABLE TO MOVE, ZAKOD ESTABLISHED TO BUILD T PATTERN WITH TAA THAT SUPPORTS ATC VECTORS.
9. UPDATED TAA SECTOR 3 FROM "TO: HINED" TO "TO: ZAKOD" - HINED SHARED BY MULTIPLE APPROACHES AND UNABLE TO MOVE, ZAKOD ESTABLISHED TO BUILD T PATTERN WITH TAA THAT SUPPORTS ATC VECTORS.
10. UPDATED CA ALTITUDE IN TERMINAL ROUTES FROM "621" TO "1000" - REDESIGNED MISSED APPROACH PER ZBW/FPT REQUEST, 1000 CA USED TO ELIMINATE CLIMB-IN-HOLD REQUIREMENT.
11. UPDATED MISSED APPROACH LEG IN TERMINAL ROUTES FROM "FROM 621 MSL TO MSS VORTAC AT 1900" TO "FROM 1000 MSL TO YUDUK AT 2900" - REDESIGNED MISSED APPROACH PER ZBW/FPT REQUEST, 1000 FT CA USED TO ELIMINATE CLIMB-IN-HOLD REQUIREMENT.
12. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - EXPANDED CIRCLING IMPLEMENTED.
13. UPDATED PROFILE SECTION, LINE 2, INBOUND COURSE FROM "270.42" TO "270.40" - REALIGNED HOLDING PATTERN WITH APPROACH GEOMETRY CHANGES.
14. UPDATED PROFILE SECTION, LINE 3, DIST FAF TO MAP FROM "5.14" TO "5.18" AND DIST FAF TO THLD FROM "5.14" TO "5.18" - FAF, UVENE, MOVED DUE TO APPROACH GEOMETRY CHANGES.
15. REMOVED "HOLD SE, RT, 300.00 INBOUND" FROM ADDITIONAL FLIGHT DATA - MISSED APPROACH REDESIGNED TO RETURN BACK TO HILO-PT PER ZBW/FPT.
16. CHANGED ALTERNATE MINIMUMS FROM "STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - CAT D VIS NOW WITHIN ALTERNATE REQUIREMENTS.
17. REMOVED "CHART 369 TOWER 445725N/0744711W" FROM ADDITIONAL FLIGHT DATA - OBSTACLE NO LONGER IN DATABASE.

COORDINATED WITH:

~~A4A~~ ~~ALPA~~ ~~AOPA~~ ~~APA~~ ~~HAI~~ ~~NBAA~~ **OTHER:** ZBW, EASTERN FPT, AMGR

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by
JASON KRETSCHMER
May 10, 2021

OFFICE
FICO

DATE
05/07/2021

DEVELOPED BY

JASON KRETSCHMER (COLIN CAMPBELL)

Digitally signed by
JASON KRETSCHMER

OFFICE
AJV-A421

DATE
12/07/2020

APPROVED BY

MARLON ROBINSON

Jan 14, 2021
Digitally signed by
JASON KRETSCHMER
Jan 14, 2021

OFFICE
AJV-A420

DATE

TITLE
MANAGER

