# 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
 PROCEDURE NAME
 ORIGINAL/AMENDMENT
 CITY
 STATE

 KMSS
 RNAV (GPS) RWY 27
 2
 MASSENA
 NY

 AIRPORT ELEVATION
 TDZE
 SUPERSEDED
 ORIGINAL/AMENDMENT
 DATED
 MAG VAR
 EPOCH YEAR

 221
 205
 RNAV (GPS) RWY 27
 1D
 03/25/2021
 14W
 1980

FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE REQUIRED EFFECTIVE DATE CANCEL/SUSPEND

RNAV 17 JUNE 2021 ROUTINE

#### 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	<u>COURSE</u>	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:**

ONALITY 10 CHECKE

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	<u>CITY</u>	<u>STATE</u>
KMSS	RNAV (GPS) RWY 27	2	MASSENA	NY
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1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

**2.** HOLD E YUDUK, LT, 270.40 INBOUND, 2900 FT. IN LIEU OF PT (IAF), MAX 6000.

**3. FAC:** 270.32 **FAF:** UVENE **DIST FAF TO MAP:** 5.18 **DIST FAF TO THLD:** 5.18

**4. MIN ALT:** YUDUK 2900, UVENE 1900

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:

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 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 27 NA AT NIGHT, CIRCLING RWY 9, 23, 27 NA AT NIGHT.

# **ADDITIONAL FLIGHT DATA:**

FAS OBST: 430 AAO 445737N/0744446W.

CHART ADIRONDACK MOA. CHART CRANBERRY MOA. CHART TUPPER MOA.

CHART CIRCLING ICON.

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

#### MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:		Α			В			С			D			E	
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA
LNAV MDA	680	1	475	680	1	475	680	1 3/8	475	680	1 3/8	475			
CIRCLING	740	1	519	740	1	519	880	1 3/4	659	880	2	659			



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KMSS	RNAV (GPS) RWY 27	2	MASSENA	NY

#### **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.

Jan 14, 2021

<u> 1005</u>	KUINA	ILED A	<u> VIIH:</u>
A A A		ALDA	

A4A 🗌 ALPA 💢 AOPA 💢 APA	X HAI NBAA	OTHER: ZBW, EA	ASTERN FPT, AMGR		
FLIGHT CHECKED BY		Digitally signed by	<u>OFFICE</u>	<u>DATE</u>	
BOB S PRESSLER		JASON KRETSCHMER	FICO	05/07/2021	
DEVELOPED BY JASON KRETSCHMER (COLIN CAMPBELL)	Digitally signed by  JASON KRETSCHMER	May 10, 2021	OFFICE AJV-A421	<b>DATE</b> 12/07/2020	
APPROVED BY	Jan 14, 2021		OFFICE	<u>DATE</u>	TITLE MANAGER
MARLON ROBINSON	Digitally signed by		AJV-A420		MANAGER

