

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</u> MALONE-DUFORT	<u>AIRPORT ID</u> KMAL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> MALONE	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 790	<u>TDZE</u> 770	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 12/06/2018	<u>MAG VAR</u> 15W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

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>
LETUS		LAIVS		TF	FO	1.00	083.53	56.53	3000
TRIKY		ZALUM		TF	FB	1.00	359.49	10.00	4700
ZALUM		JORAR		TF	FB	1.00	359.45	8.54	4000
JORAR	IAF	LAIVS	NOPT	TF	FB	1.00	288.55	6.75	3000
LAIVS	IF/IAF	DNWLS		TF	FB	1.00	231.96	4.56	1800
DNWLS	FAF	RW23	MAP	TF	FO	0.30	231.91	3.16	
RW23	MAP	1155 MSL		CA			231.91		
1155 MSL		MITAH		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT MITAH AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE LAIVS, LT, 231.96 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 5000.

3. FAC: 231.91FAF: DNWLSDIST FAF TO MAP: 3.16DIST FAF TO THLD: 3.16

4. MIN ALT: LAIVS 3000, DNWLS 1800

5. DIST TO THLD FROM OM:MM:IM:150 HAT:385 HAT: 1.13GS ANT:

6. MIN GP INCPT: 1800GP ALT AT FAF : DNWLS 1800OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW23 5100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: BARO-VNAV NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TRIKY ON V141 SOUTHEAST BOUND.
CHART NOTE: USE MASSENA INTL-RICHARDS FIELD ALTIMETER SETTING; WHEN NOT RECEIVED, USE ADIRONDACK RGNL ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LPV ALL CATS, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 SM, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1 1/8 SM.
CHART NOTE: CIRCLING RWY 5 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART MASSENA INTL-RICHARDS FIELD ASOS.
CHART TUPPER WEST MOA
CHART TUPPER CENTRAL MOA
WAAS CHANNEL #58229
REFERENCE PATH ID: W23A
CHART FAS OBST: 844 TANK 445213N/0741837W.
HOLD SW, LT, 051.76 INBOUND
LTP HAE: 200.6 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	1155	1 1/4	385	1155	1 1/4	385	1155	1 1/4	385		NA				
LNAV/VNAV DA	1263	1 3/4	493	1263	1 3/4	493	1263	1 3/4	493		NA				
LNAV MDA	1240	1	470	1240	1	470	1240	1 3/8	470		NA				
CIRCLING	1460	1	670	1480	1	690	1480	2	690		NA				

QUALITY
41
CHECKED

1. INCORPORATED P-NOTAM 4-2186 AND 8/6647-8260.19H PARA 8-3-4.
2. ADDED CA LEG TO MISSED APPROACH-PER 8260.58A.
3. ADDED 20:1 IS CLEAR TO PROFILE LINE 7 AND CHANGED 34:1 IS NOT CLEAR TO 34:1 IS CLEAR - IAW 8260.19H, 8-6-7G, NO VISUAL SURFACE PENETRATIONS IDENTIFIED ON STRAIGHT-IN.
4. CHANGED CRC REMAINDER FROM 02843EDBC TO 640D1F47-LTP/FTP AND FPAP COORDINATES UPDATED.
5. REMOVED CHART NOTE: PROCEDURE NA AT NIGHT-VISUAL SURFACE EVALUATION AND NO PENETRATIONS IDENTIFIED ON STRAIGHT-IN.
6. ADDED CHART NOTE: CIRCLING RWY 05 NA AT NIGHT-VISUAL SURFACE EVALUATION AND PENETRATIONS IDENTIFIED.
7. ADDED VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI DEGREES {ANGLE}/TCH {FEET})-PER 8260.19H
8. RASS ADJUSTMENT RECALCULATED CHANGED FROM 132 TO 135-PER 8260.58A.
9. INCREASED LPV DA/HAT FROM 1152/382 TO 1155/385 ALL CATS-RASS ADJUSTMENT RECALCULATED.
10. CHANGED BACK-UP ALTIMETER SETTING VISIBILITY NOTE FROM MILES TO SM - 8260.3D 2-1-5: ALL VISIBILITIES ARE TO BE EXPRESSED IN STATUTE MILES (SM).

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☐ OTHER: ATA

AJV-5420

DATE _____

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMAL
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	445129.6550N
LTP/FTP LONGITUDE	0741937.3865W
LTP/FTP ELLIPSOIDAL HEIGHT	+02006
FPAP LATITUDE	445018.3815N
FPAP LONGITUDE	0742052.5315W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	640D1F47

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02299
FPAP ORTHOMETRIC HEIGHT	+02299

