FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

12 AUGUST 2021

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.

ORIGINAL/AMENDMENT PROCEDURE NAME **CITY STATE AIRPORT ID** RNAV (GPS) Z RWY 23 3 **MORRISTOWN** NJ **KMMU AIRPORT ELEVATION TDZE SUPERSEDED ORIGINAL/AMENDMENT DATED MAG VAR EPOCH YEAR** 187 184 RNAV (GPS) Z RWY 23 2 12/05/2019 13W 2005 **FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE** REQUIRED EFFECTIVE DATE CANCEL/SUSPEND

ROUTINE

TERMINAL ROUTES

RNAV

									
<u>FROM</u>	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	<u>COURSE</u>	DISTANCE	ALTITUDE
EMRSN	IAF	FALTY		TF	FB	1.00	089.34	5.51	3000
FALTY	IAF	GODLY		TF	FB	1.00	089.41	5.51	3000
GODLY	IAF	BADDA		TF	FB	1.00	159.28	5.51	3000
BADDA	IF	BINGG		TF	FB	1.00	229.21	6.50	2000
BINGG	FAF	RW23	MAP	TF	FO	0.30	229.16	5.53	
RW23	MAP	384 MSL		CA			229.16		
384 MSL		SUCSO		DF	FB	1.00			
SUCSO		SBJ VOR/DME		TF	FO	1.00	250.15	12.52	2000

MISSED APPROACH

MAP: LPV: DA

LNAV/VNAV: DA LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT SUCSO AND ON TRACK 250.15 TO SBJ VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

ONALITY 10 CHECKED AIRPORT ID
KMMUPROCEDURE NAME
RNAV (GPS) Z RWY 23ORIGINAL/AMENDMENT
3CITY
MORRISTOWNSTATE
MORRISTOWN

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT BADDA

4. MIN ALT: BADDA 3000, BINGG 2000

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.46 GS ANT:

6. MIN GP INCPT: 2000 GP ALT AT FAF: BINGG 2000 OM: MM: IM:

7. GP ANGLE: 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 55.1

8. MSA FROM: RW23 2900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING TO RWY 13, 31 NA AT NIGHT.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 SM AND LNAV CATS C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART KCDW IN PLAN AND PROFILE VIEWS. HOLD E, LT, 250.00 INBOUND.
CHART FAS OBST: 439 TANK 404936N/0742408W.
CHART 492 TREE 405330N/0742044W.
CHART VDP AT 1.45 NM TO RW23*
*LNAV ONLY.
WAAS CHANNEL # 45621
REFERENCE PATH ID: W23A
CHART CIRCLING ICON.

MINIMUMS:

LTP HAE: 23 M

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

ALTERNATE: NA STANDARD - CAT C 900-2 1/2, CAT D 1100-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:		Α			В			С			D			E	
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
LPV DA	384	1/2	200	384	1/2	200	384	1/2	200	384	1/2	200			
LNAV/VNAV DA	749	1 1/4	565	749	1 1/4	565	749	1 1/4	565	749	1 1/4	565		QUALITY.	
LNAV MDA	700	1/2	516	700	1/2	516	700	1	516	700	1	516		10	
CIRCLING	860	1	673	900	1	713	1000	2 1/2	813	1200	3	1013		CHECKED	

AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT <u>CITY</u> **STATE KMMU** RNAV (GPS) Z RWY 23 MORRISTOWN NJ

CHANGES - REASONS

- TDZE CHANGED FROM 183 TO 184 NEW SURVEY DATA
- TERMINAL ROUTES, CA LEG CHANGED FROM 383 MSL TO 384 MSL NEW TDZE.
- MISSED APPROACH HOLDING FIX CHANGED FROM CODOL TO SBJ VOR/DME AND ROUTING CHANGED TO ADD SUCSO ATC REQUEST TO REPOSITION HOLDING FIX TO LOWER MISSED APPROACH HOLDING ALTITUDE TO 2000.
- MISSED APPROACH ALTITUDE CHANGED FROM 2500 TO 2000 ATC REQUEST.
- MISSED APPROACH, REMOVED CLIMB-IN-HOLD NO LONGER REQUIRED.
- ADDITIONAL FLIGHT DATA, ADDED "CHART" TO THE 492 TREE TREE IS A SURVEYED 7:1 OBSTACLE.
- ADDITIONAL FLIGHT DATA, CHANGED HOLDING PATTERN FROM 049.06 INBOUND TO 032.42 INBOUND NEW HOLDING PATTERN AND LOCATION.
- MINIMUMS, LPV DA CHANGED FROM 383 TO 384 NEW TDZE.
- MINIMUMS, LNAV/VNAV DA CHANGED FROM 748 TO 749 NEW TDZE.
- CRC REMAINDER CHANGED FROM 9289ACBB TO 3F2650BB FPAP CHANGED DUE TO NEW FINAL ALIGNMENT.

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COORDINATED WITH: A4A ALPA X	AOPA X APA	HAI NBAA X OTHER:	ZNY, NEW YORK APP CON, KMMU ATCT, TOWI	N OF MORRISTOWN
FLIGHT CHECKED BY		Digitally signed by	<u>OFFICE</u>	DATE
BOB S PRESSLER		JASON KRETSCHMER	FICO	04/09/2021
<u>DEVELOPED BY</u> RUSSELL ROSLEWSKI	Digitally signed by RUSSELL ROSLEWSKI	Jun 08, 2021		<u>DATE</u> 1/25/2020
APPROVED BY MARLON ROBINSON	Jan 12, 2021 Digitally signed by		OFFICE AJV-A420	DATE TITLE MANAGER
	JASON KRETSCHMER			
	Feb 23, 2021			

AIRPORT ID
KMMUPROCEDURE NAME
RNAV (GPS) Z RWY 23ORIGINAL/AMENDMENT
3CITY
MORRISTOWNSTATE
MORRISTOWN

FAS DATA BLOCK INFORMATION

DATA DATA FIELD OPERATION TYPE 0 SBAS SERVICE PROVIDER IDENTIFIER 0 AIRPORT IDENTIFIER **KMMU RUNWAY** RW23 APPROACH PERFORMANCE DESIGNATOR 0 Ζ **ROUTE INDICATOR** 0 REFERENCE PATH DATA SELECTOR REFERENCE PATH IDENTIFIER (APPROACH ID) W23A

 LTP/FTP LATITUDE
 404823.0595N

 LTP/FTP LONGITUDE
 0742423.3075W

LTP/FTP ELLIPSOIDAL HEIGHT +00230

 FPAP LATITUDE
 404711.0275N

 FPAP LONGITUDE
 0742532.4390W

THRESHOLD CROSSING HEIGHT (TCH) 00055.1

TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00

COURSE WIDTH AT THRESHOLD 106.75

LENGTH OFFSET 0920

HORIZONTAL ALERT LIMIT (HAL) 40.0

VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER 3F2650BB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODEK6LTP ORTHOMETRIC HEIGHT+00557FPAP ORTHOMETRIC HEIGHT+00557