

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> MORRISTOWN MUNI	<u>AIRPORT ID</u> KMMU	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> MORRISTOWN	<u>STATE</u> NJ	
<u>AIRPORT ELEVATION</u> 187	<u>TDZE</u> 184	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 4A	<u>DATED</u> 12/06/2018	<u>MAG VAR</u> 13W	<u>EPOCH YEAR</u> 2005
<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>		

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>
STW VOR/DME		ZELEN		TF	FB	2.00	172.48	20.83	3000
ZELEN	IAF	KWITE		TF	FB	1.00	116.08	6.92	2000
SBJ VOR/DME	IAF	KWITE		TF	FB	1.00	078.91	9.01	2000
KWITE	IF	HOSBE		TF	FB	1.00	049.00	6.84	1800
HOSBE	FAF	RW05	MAP	TF	FO	0.30	049.07	4.20	
RW05	MAP	587 MSL		CA			049.07		
587 MSL		MIKEF		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT MIKEF AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT KWITE

3. FAC: 049.07

FAF: HOSBE

DIST FAF TO MAP: 4.20

DIST FAF TO THLD: 4.20

4. MIN ALT: KWITE 2000, HOSBE 1800

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

695 HAT: 1.71

GS ANT:

6. MIN GP INCPT: 1800

GP ALT AT FAF : HOSBE 1800

OM:

MM:

IM:

7. GP ANGLE: 3.50

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 59.0

8. MSA FROM: RW05 2900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C OR ABOVE 46°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SBJ VOR/DME AIRWAY RADIALS 028 CW 147.
CHART NOTE: CIRCLING RWY 13, 31 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.71 NM TO RW05*
*LNAV ONLY
WAAS CHANNEL #97720
REFERENCE PATH ID: W05A
CHART FAS OBST: 570 TREE 404551N/0742743W.
624 AAO 404442N/0742833W.
HOLD SW, RT, 049.10 INBOUND
LTP HAE: 22.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 1100-3

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	879	2	695	879	2	695	879	2	695	879	2	695			
LNAV/VNAV DA	893	2	709	893	2	709	893	2	709	893	2	709			
LNAV MDA	880	1	696	880	1	696	880	2	696	880	2	696			
CIRCLING	880	1	693	900	1	713	1000	2 1/2	813	1200	3	1013			



CHANGES - REASONS

1. TERMINAL ROUTE COURSE/DIST KWITE - HOSBE CHANGED FROM 049.01/7.15 TO 049.00/6.84 - HOSBE MOVED.
2. SDF JOMIL REMOVED - NO BENEFIT GAINED DUE TO REQUIRED INCREASE IN MINIMUMS.
3. HOSBE FAF MOVED .30 NM SOUTHWEST AND DIST TO MAP/THLD CHANGED FROM 3.89 TO 4.20 - GPA CHANGED FROM 3.77 TO 3.50.
4. 20:1 STATUS CHANGED FROM 20:1 IS NOT CLEAR TO 20:1 IS CLEAR - RWY 5 20:1 PENETRATIONS REMOVED.
5. CHANGED CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - INCORPORTATED P-NOTAM FDC 8/6684.
6. CHANGED CHART NOTE: PROCEDURE NA AT NIGHT TO CHART NOTE: CIRCLING RWY 13, 31 NA AT NIGHT - INCORPORTATED P-NOTAM FDC 8/6684.
7. CHANGED ALTERNATE MINS FROM STANDARD - CAT C 900-2 1/2 TO STANDARD - CAT C 900-2 1/2, CAT D 1100-3 - CAT D MINS ADDED.
8. LPV DA/HAT AND VISIBILITY AMENDED FROM CAT A-C 861/677 AND 1 7/8 TO CAT A-D 879/695 AND 2 - GPA CHANGED FROM 3.77 TO 3.50 TO RESTORE CAT D.
9. LNAV MDA/HAT AND VISIBILITY AMENDED FROM CAT A-C 800/616, VISIBILITY CAT C 1 7/8 TO CAT A-D 880/696, VISIBILITY CAT C-D 2 - TO CLEAR VGS AND RESTORE CAT D MINS.
10. CIRCLING CAT A MDA/HAA CHANGED FROM 860/673 TO 880/693 AND CAT D CIRCLING ADDED - SI LNAV MINS CHANGED.
11. MA INSTRUCTIONS CHANGED FROM CLIMB TO 2200 DIRECT MIKEF AND HOLD TO CLIMB TO 2500 DIRECT MIKEF AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2500 - HIGHER MINS REQUIRED CLIMB IN-HOLD EVALUATION.
12. CHARTED VDP AT 1.71 NM TO RW05 - 20:1 PENETRATIONS REMOVED.
13. AMENDED BACK-UP ALTIMETER NOTE FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWARK ALTIMETER SETTING: INCREASE LPV DA TO 915 FEET AND ALL CATS VISIBILITY 1/8 SM; INCREASE LNAV/VNAV DA TO 947 FEET AND ALL CATS VISIBILITY 1/2 SM; INCREASE ALL MDA 60 FEET AND LNAV CAT C VISIBILITY 1/8 SM TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWARK ALTIMETER SETTING: INCREASE LPV DA TO 933 FEET, INCREASE LNAV/VNAV DA TO 947 FEET AND ALL CATS VISIBILITY 1/2 SM; INCREASE ALL MDA 60 FEET, LNAV AND CIRCLING CAT B VISIBILITY 1/4 SM - MINIMA CHANGED.
14. CHANGED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 33C TO CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C OR ABOVE 46°C - NEW TARGETS EVALUATION RESULT.
15. FAS DATA CHANGED, FPAP FROM 404847.2000N/0742400.1300W TO 404847.2030N/0742400.1255W, GPA FROM 3.77 TO 3.50, CRC REMAINDER FROM 353A4F92 TO 2256C60C - NEW EVALUATION RESULTS.

COORDINATED WITH:

A4A

☐

ALPA

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AOPA

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APA

☐

HAI

☐

NBAA

☒

OTHER:

N90, MMU ATCT, ZNY, APT MGR, ATA

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by
GEORGE E DAVIS

Dec 04, 2018

OFFICE

FICO

DATE

1/2/19

DEVELOPED BY

IVAN BLANCO

Digitally signed by
IVAN BLANCO

Nov 28, 2018

OFFICE

AJV-5411

DATE

11/27/2018

APPROVED BY

GEORGE DAVIS

Digitally signed by
GEORGE E DAVIS

Dec 04, 2018

OFFICE

AJV-5410

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMMU
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	404735.1745N
LTP/FTP LONGITUDE	0742509.2705W
LTP/FTP ELLIPSOIDAL HEIGHT	+00226
FPAP LATITUDE	404847.2030N
FPAP LONGITUDE	0742400.1255W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2256C60C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00554
FPAP ORTHOMETRIC HEIGHT	+00554

