US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MUNZA	WUVES (FB)	339.49 / 5.40	4500
MSS VORTAC	LIKME (FB)	178.80 / 11.80	4500
WUVES (IAF)	MITAH (NOPT) (FB)	339.45 / 6.39	3500
LIKME (IAF)	MITAH (NOPT) (FB)	124.90 / 6.41	3500
MITAH (IF/IAF)	NICVI (FB)	051.76 / 6.10	2700
NICVI (FAF)	ZELUV/2.80 NM TO RW05 (FB)	051.82 / 3.12	
(SEE FORM 8260-10)			

MISSED APPROACH

LP: RW05
LNAV: RW05

CLIMBING LEFT TURN TO 3500 DIRECT MITAH AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW MITAH, LT, 051.76 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
3. FAC: 051.82 FAF: NICVI DIST FAF TO MAP: 5.92 THLD: 5.92
4. MIN. ALT: MITAH 3500, NICVI 2700, ZELUV/2.80 NM TO RW05 1700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW05 5100

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 1120 TREE 444903N/0742159W
CHART FAS OBST: 1201 COMMUNICATION TWR 444948N/0742229W
1369 AAO 444610N/0742409W.
1500 AAO 444521N/0742411W.
CHART MASSENA INTL-RICHARDS FIELD ASOS.
CHART TUPPER CENTRAL MOA.
CHART TUPPER WEST MOA.
WAAS CHANNEL # 93729
REFERENCE PATH ID: W05A
NICVI TO RW05: 3.00/45.
LTP HAE: 205.5 M

MAG VAR: 15W EPOCH YEAR: 2000

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1520	1	749	1520	1 1/4	749	1520	2 1/2	749		NA				
LNAV MDA	1580	1	809	1580	1 1/4	809	1580	2 1/2	809		NA				
CIRCLING	1580	1	790	1580	1 1/4	790	1580	2 1/2	790		NA				

NOTES:
CHART NOTE: USE MASSENA INTL-RICHARDS FIELD ALTIMETER SETTING; WHEN NOT RECEIVED, USE ADIRONDACK RGNL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LP CAT C VISIBILITY 1/2 MILE AND CIRCLING CAT A VISIBILITY 1/4 MILE.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 790 THRE: 771	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MALONE, NY	AIRPORT NAME: MALONE-DUFORT	RNAV	RNAV (GPS) RWY 5, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[ ]	[X]	[X]	[ ]

FLIGHT CHECKED BY		
NAME: **WILLIAM E. SETTLEMIRE**	FIFO **FIOG**	DATE **08/16/2012**
DEVELOPED BY		
NAME: **STEVE BRUMMETT**	FIFO **AJV-352**	DATE: **02/17/2012**
APPROVED BY		
NAME: **DARRYEL ADAMS** **MANAGER**	FIFO **AJV-352**	DATE: **09/10/2012**

CHANGES:

THIS RNAV (GPS) RWY 5 ORIG REPLACES GPS RWY 5, ORIG.

REASONS:

09/27/2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/10/2012.

1. CHANGED MISSED APRROACH INSTRUCTION FROM CLIMB TO 3500 DIRECT MITAH AND HOLD TO CLIMBING LEFT TURN TO 3500 DIRECT MITAH AND HOLD.
2. CHANGED THE WORD MASSINA IN ALTIMETER AND ASOS NOTE TO MASSENA.

QUALITY CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZELUV/2.80 NM TO RW05	RW05 (MAP) (FO)	051.85 / 2.80	
RW05 (MAP)	1190 MSL	051.85	
1190 MSL	MITAH (FO)		3500

NOTES, (CONT.):
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MSS VORTAC AIRWAY RADIALS 085 CW 255.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 790 THRE: 771	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MALONE, NY	AIRPORT NAME: MALONE-DUFORT	RNAV	RNAV (GPS) RWY 5, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMAL
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	445058.1115N
LTP/FTP LONGITUDE	0742010.6675W
LTP/FTP ELLIPSOIDAL HEIGHT	+02055
FPAP LATITUDE	445209.3700N
FPAP LONGITUDE	0741855.4800W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
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)	0.0
CRC REMAINDER	D6BCFEAD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02349
FPAP ORTHOMETRIC HEIGHT	+02349

QUALITY CHECKED

CITY AND STATE	ELEVATION: 790 THRE: 771	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MALONE, NY	AIRPORT NAME: MALONE-DUFORT	RNAV	RNAV (GPS) RWY 5, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MSS   K6011410VTHA N44545200W074432159    N44545200W074432159W0140002002     NARMASSENA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   LIKME K60    W     N44433212W074384460                     W0140     NAR           LIKME
        SUSAEAENRT   MITAH K60    W     N44412082W074301738                     W0140     NAR           MITAH
        SUSAEAENRT   MUNZA K60    C   L N44314524W074204132                     W0141     NAR           MUNZA
        SUSAEAENRT   NICVI K60    W     N44461405W074250975                     W0141     NAR           NICVI
        SUSAEAENRT   WUVES K60    W     N44360886W074250474                     W0141     NAR           WUVES
        SUSAEAENRT   ZELUV K60    W     N44484371W074223230                     W0142     NAR           ZELUV

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMALK6AMAL     0     039YHN44511320W074194420W015000790         1800018000C    MNAR    MALONE-DUFORT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMALK6FR05   AMITAH 010MITAHK6EA0EE AL   HF                    05180040    + 03500     18000                A JS
        SUSAP KMALK6FR05   AMSS   010MSS  K6D 0V       IF                                        18000                A JS
        SUSAP KMALK6FR05   AMSS   020LIKMEK6EA0E  A 020TF                    17880118    + 04500                          A JS
        SUSAP KMALK6FR05   AMSS   030MITAHK6EA0EE B 010TF                    12490064    + 03500                          A JS
        SUSAP KMALK6FR05   AMUNZA 010MUNZAK6EA0E      IF                                        18000                A JS
        SUSAP KMALK6FR05   AMUNZA 020WUVESK6EA0E  A 020TF                    33950054    + 04500                          A JS
        SUSAP KMALK6FR05   AMUNZA 030MITAHK6EA0EE B 010TF                    33950064    + 03500                          A JS
        SUSAP KMALK6FR05   R      010MITAHK6EA0E  I    IF                                + 03500     18000                A JS
        SUSAP KMALK6FR05   R      020NICVIK6EA1E  F 051TF                    05180061    + 02700                 RW05  K6PGA JS
        SUSAP KMALK6FR05   R      020NICVIK6EA2WALP        N          ALNAV                                                JS
        SUSAP KMALK6FR05   R      021ZELUVK6EA0E S  031TF                    05180031    V 0170001707        -300          A JS
        SUSAP KMALK6FR05   R      030RW05 K6PG0GY M 031TF                    05190028      00816             -300          A JS
        SUSAP KMALK6FR05   R      040         0  M     CA                    0519        + 01190                          A JS
        SUSAP KMALK6FR05   R      050MITAHK6EA0EY      DF                                + 03500                          A JS
        SUSAP KMALK6FR05   R      060MITAHK6EA0EE  L   HM                    05180040    + 03500                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMALK6GRW05    0039940519 N44505811W074201067-0400    +020550077100004510 0R
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 790 THRE: 771	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MALONE, NY	AIRPORT NAME: **MALONE-DUFORT**	**RNAV**	**RNAV (GPS) RWY 5, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMALK6PR05   RW05 001 0000W05A0N4450581115W07420106675+020550300N4452093700W074185548001067515360004 50F400000D6BCFEAD
        SUSAP KMALK6PR05   RW05 002E      +02349+02349LP        93729
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMALK6SRW05 K6PG               0   18018005125                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 790 THRE: 771	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MALONE, NY	AIRPORT NAME: MALONE-DUFORT	RNAV	RNAV (GPS) RWY 5, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MITAH	MITAH	010	IAF	HF	L	FO		051.8(036.8T)	004.0	AA 03500	
	MSS	MSS	010		IF		FB					
	MSS	LIKME	020	IAF	TF		FB	2.0	178.8(163.8T)	011.8	AA 04500	
	MSS	MITAH	030		TF		FB	1.0	124.9(109.9T)	006.4	AA 03500	
	MUNZA	MUNZA	010		IF		FB					
	MUNZA	WUVES	020	IAF	TF		FB	2.0	339.5(324.5T)	005.4	AA 04500	
	MUNZA	MITAH	030		TF		FB	1.0	339.5(324.5T)	006.4	AA 03500	
		MITAH	010	FACF	IF		FB				AA 03500	
		NICVI	020	FAF	TF		FB	0.5	051.8(036.8T)	006.1	AA 02700	
		ZELUV	021	SDF	TF		FB	0.3	051.8(036.8T)	003.1	AA 01700 GS 01707	
		RW05	030	MAP	TF		FO	0.3	051.9(036.9T)	002.8	AT 00816	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		051.9(036.9T)		AA 01190	
	MITAH	050		DF		FO				AA 03500	
	MITAH	060		HM	L	FO		051.8(036.8T)	004.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MSS	N445452.00	W0744321.59	N4454.867	W07443.360
	LIKME	N444332.12	W0743844.60	N4443.535	W07438.743
	MITAH	N444120.82	W0743017.38	N4441.347	W07430.290
	MUNZA	N443145.24	W0742041.32	N4431.754	W07420.689
	NICVI	N444614.05	W0742509.75	N4446.234	W07425.163
	WUVES	N443608.86	W0742504.74	N4436.148	W07425.079
	ZELUV	N444843.71	W0742232.30	N4448.729	W07422.538
	RW05	N445058.11	W0742010.67	N4450.969	W07420.178

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00771	45

QUALITY CHECKED

CITY AND STATE	ELEVATION: 790 THRE: 771	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MALONE, NY	AIRPORT NAME: **MALONE-DUFORT**	**RNAV**	**RNAV (GPS) RWY 5, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	MUNZA	WUVES	1. AAO	443044.78N/0742053.25W	2720 (2C)	2000	MT-220	4500
			2. TERRAIN	443227.00N/0742309.00W	2399 (2400)		AS1500	3900
FEEDER	MSS VORTAC	LIKME	3. AAO	444436.00N/0743545.00W	1063 (5E)	2000	AT1437	4500
			4. TERRAIN	444412.00N/0743745.00W	758 (800)		AS1500	2300
INITIAL	WUVES	MITAH	5. AAO	443740.79N/0742446.30W	2179 (2C)	1000		3200
			6. TERRAIN	443740.79N/0742446.30W	1979 (2000)		AS1500	3500
INITIAL	LIKME	MITAH	7. AAO	443927.00N/0743109.00W	1825 (5E)	1000	AT675	3500
			8. TERRAIN	443939.00N/0743151.00W	1546 (1500)		AS1500	3000
INTERMEDIATE: LNAV	MITAH (IF/IAF)	NICVI	11. AAO	444045.00N/0742827.00W	1943 (4E)	500	AC98	2600
			10. TERRAIN	444045.00N/0742827.00W	1743 (1700)		AS1000	2700
FINAL: LP	NICVI	ZELUV/2.80 NM TO RW05	11. AAO	444723.13N/0742316.87W	1230 (2C)	250	RA132 DG88	1700
FINAL: LP STEPDOWN	ZELUV/2.80 NM TO RW05	RW05	12. TREE (KMALT1115)	444903.39N/0742158.91W	1120 (1A)	250	RA132	1520
2. HOLD-IN-LIEU-OF-PT	MITAH		14. AAO	443651.00N/0743045.00W	2244 (3E)	1000		3300
			15. TERRAIN	443651.00N/0743045.00W	2044 (2000)		AS1500	3500
3. MISSED APPROACH — MAP:	RW05 / RW05	MITAH				ASC		0
			12. TREE (KMALT1115)	444903.39N/0742158.91W	1120 (1A)	1000		2200
ELEV:	1288/1332		16. TERRAIN	444045.00N/0742827.00W	1744 (1700)		AS1500	3200

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350		790	17. WATER TK	445018.31N/0741817.63W	1021 (1B)	300	SI	1580
CATEGORY B	1.5 NM	450		790	18. TREE (KMALT2741)	445000.74N/0741803.36W	1036 (1A)	300	SI	1580
CATEGORY C	1.7 NM	450		790	19. TREE (KMALT2859)	444927.89N/0741829.40W	1039 (2C)	300	SI	1580
CATEGORY D	2.3 NM	550								
CATEGORY E	4.5 NM	550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW05

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (36-000545)	115/ 21.5	4095 (5E)	5100					

CITY AND STATE	ELEVATION: 790 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MALONE, NY	MALONE-DUFORT	RNAV	RNAV (GPS) RWY 5, ORIG	AEA

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZBW ARTCC	N W S	OTHER: ASOS	SOURCE: KMSS / KSLK
	F A A		DISTANCE: 22.57 / 28.59
	A / C		HOURS REMOTE OPERATION: 24 / 24
SATISFACTORY ON: X V H F X U H F H F	LOCATION: KMSS		ADJUSTMENT: 132 / 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
	MALS
	HIRL
X	MIRL 05 (PCL), 23 (PCL), 14, 32
X	REIL 05, 23
	TDZ
	C/LINE
	OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	BSC-G 14, 32
	ALL WEATHER	
	INSTRUMENT	NPI-G 05, 23
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH		
	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 770.7
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 45.0

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: STEVE BRUMMETT	DATE: 02/17/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - REMOTE ALTIMETER IN USE.

PARA 251, 20:1 PENETRATION.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KMSS 221.5, KSLK 1662.8, KMAL 789.9
RA = KMSS 131.49/KSLK 187.97.
SEE ATTACHED AIRSPACE LETTER.

PARA 289 APPLIED TO 1500 AAO 444521N/0742411W (LNAV).
PARA 289 APPLIED TO 1369 AAO 444610N/0742409W (LP).
100' TREES USED PER EST FPT.
MT-220 AUTHOREZED REDUCTION OVER AAO.
ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL"
PENETRATIONS:
20:1
RWY 5:
809 POLE (KMALT0494) 445053.10N/0742019.61W (8.70)
810 POLE (KMALT0495) 445053.08N/0742019.64W (9.55)
809 POLE (KMALT0497) 445053.03N/0742019.69W (8.24)
812 POLE (KMALT0548) 445050.58N/0742019.36W (2.03)
813 POLE (KMALT0550) 445050.54N/0742019.42W (2.74)
822 POLE (KMALT0568) 445048.21N/0742019.48W (8.66)
822 POLE (KMALT0569) 445048.18N/0742016.49W (7.52)
821 POLE (KMALT0571) 445048.16N/0742016.50W (7.41)
818 POLE (KMALT0577) 445049.77N/0742019.34W (3.58)
826 POLE (KMALT0605) 445048.10N/0742018.47W (7.91)
822 POLE (KMALT0610) 445048.06N/0742018.52W (3.64)
822 POLE (KMALT0611) 445048.06N/0742018.51W (3.67)
832 TREE (KMALT0679) 445047.73N/0742021.48W (5.91)
835 TREE (KMALT0681) 445047.68N/0742021.52W (8.62)
RWY 23
787 TREE (KMALT0018) 445136.77N/0741934.44W (7.44)
RWY 32
865 BLDG (36-020634) 445055.39N/0741900.46W (9.00)
922 TREE (KMALT1269) 445046.43N/0741848.60W (4.61)
922 TREE (KMALT1270) 445046.45N/0741848.60W (4.68)
921 TREE (KMALT1274) 445046.51N/0741848.73W (4.23)
913 TREE (KMALT1472) 445055.13N/0741850.74W (28.22)
896 TREE (KMALT1478) 445054.07N/0741852.02W (11.68)
869 TREE (KMALT1597) 445052.36N/0741900.96W (5.23)
861 TREE (KMALT1623) 445052.45N/0741903.38W (4.47)
833 TREE (KMALT1668) 445056.95N/0741907.04W (0.69)
838 TREE (KMALT1671) 445057.53N/0741907.19W (7.88)
841 TREE (KMALT1672) 445057.60N/0741907.21W (11.15)
833 TREE (KMALT1673) 445058.19N/0741907.09W (4.60)
825 TREE (KMALT1679) 445059.94N/0741907.55W (3.24)
824 TREE (KMALT1680) 445100.12N/0741907.49W (2.62)
826 TREE (KMALT1682) 445100.91N/0741907.62W (7.39)
825 TREE (KMALT1683) 445100.89N/0741907.64W (6.39)
820 TREE (KMALT1684) 445101.29N/0741907.48W (2.14)
826 TREE (KMALT1687) 445102.54N/0741907.55W (12.14)
793 SIGN (KMALT1709) 445102.65N/0741915.66W (2.83)

34:1
889 TREE (KMALT0843) 445023.20N/0742034.28W (11.02)
881 TREE (KMALT0825) 445026.29N/0742029.75W (16.14)
875 TREE (KMALT0823) 445027.27N/0742029.95W (12.22)
883 TREE (KMALT0819) 445028.71N/0742030.00W (23.58)
865 TREE (KMALT0814) 445030.23N/0742030.29W (8.84)
878 TREE (KMALT0809) 445031.57N/0742030.43W (24.85)
875 TREE (KMALT0807) 445032.79N/0742030.65W (24.48)
856 TREE (KMALT0802) 445034.92N/0742030.76W (10.41)
CONT.

QUALITY 4 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV	NICVI	ZELUV/2.80 NM TO	11. AAO	444723.13N/0742316.87W	1230 (2C)	250	RA132 DG88	1700
		RW05						
FINAL: LNAV STEPDOWN	ZELUV/2.80 NM TO	RW05	13. COMMUNICATION	444948.28N/0742228.92W	1201 (1A)	250	RA132 SA-16	1580
	RW05		(KMALT1105)					

3. MISSED APPROACH									
	MAP:								
	ELEV:								

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.		
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	
CATEGORY B	1.5 NM		450		
CATEGORY C	1.7 NM		450		
CATEGORY D	2.3 NM		550		
CATEGORY E	4.5 NM		550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MALONE, NY	ELEVATION: 790 AIRPORT NAME: MALONE-DUFORT	RNAV	RNAV (GPS) RWY 5, ORIG	AEA

QUALITY CHECKED 4

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
SATISFACTORY ON:	N W S	OTHER:	SOURCE:
	F A A		DISTANCE:
	A / C		HOURS REMOTE OPERATION:
V H F / U H F / H F	LOCATION:		ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

CONTINUED.

856 TREE (KMALT0801) 445036.11N/0742030.77W (13.23)
866 TREE (KMALT0799) 445036.46N/0742030.90W (23.90)
869 TREE (KMALT0798) 445036.88N/0742030.94W (27.85)
859 TREE (KMALT0797) 445036.99N/0742030.67W (18.46)
845 TREE (KMALT0791) 445039.02N/0742031.18W (8.64)
839 TREE (KMALT0786) 445043.10N/0742036.34W (5.80)
854 TREE (KMALT0780) 445041.23N/0742031.32W (22.73)
836 TREE (KMALT0777) 445041.19N/0742030.04W (6.26)
849 TREE (KMALT0773) 445038.21N/0742023.55W (20.41)
838 TREE (KMALT0772) 445042.79N/0742031.59W (10.10)
852 TREE (KMALT0770) 445041.31N/0742028.37W (24.67)
835 TREE (KMALT0769) 445038.06N/0742021.36W (8.84)
846 TREE (KMALT0766) 445039.48N/0742023.43W (20.59)
838 TREE (KMALT0765) 445044.09N/0742031.67W (13.10)
824 TREE (KMALT0764) 445041.43N/0742025.88W (0.12)
840 TREE (KMALT0763) 445041.39N/0742024.99W (17.16)
837 TREE (KMALT0762) 445045.23N/0742031.86W (14.57)
831 TREE (KMALT0759) 445040.89N/0742023.41W (8.97)
839 TREE (KMALT0758) 445041.58N/0742024.17W (17.65)
831 TREE (KMALT0756) 445040.47N/0742021.54W (10.35)
845 TREE (KMALT0754) 445041.70N/0742023.40W (24.92)
833 TREE (KMALT0751) 445042.39N/0742023.56W (14.36)
835 TREE (KMALT0747) 445043.13N/0742023.53W (18.16)
827 TREE (KMALT0741) 445043.15N/0742021.76W (12.45)
822 TREE (KMALT0738) 445043.78N/0742021.98W (8.67)
816 TREE (KMALT0737) 445047.71N/0742028.78W (3.39)
810 TREE (KMALT0729) 445044.55N/0742020.79W (0.02)
817 POLE (KMALT0726) 445047.81N/0742026.60W (7.40)
811 BLDG (KMALT0723) 445043.17N/0742017.15W (2.36)
819 POLE (KMALT0720) 445047.87N/0742025.58W (10.84)
816 POLE (KMALT0717) 445048.73N/0742026.69W (8.48)
811 TREE (KMALT0714) 445046.36N/0742021.81W (4.04)
814 TREE (KMALT0712) 445046.18N/0742021.43W (7.09)
813 TREE (KMALT0710) 445046.42N/0742021.40W (6.70)
825 TREE (KMALT0706) 445046.90N/0742022.00W (19.08)
812 TREE (KMALT0701) 445046.45N/0742020.66W (6.71)
824 TREE (KMALT0698) 445045.26N/0742018.15W (19.07)
817 TREE (KMALT0696) 445047.47N/0742022.22W (12.16)
818 POLE (KMALT0688) 445047.93N/0742022.27W (14.19)
805 TREE (KMALT0686) 445046.40N/0742019.34W (1.27)
812 TREE (KMALT0685) 445046.86N/0742020.16W (8.32)
810 BLDG (KMALT0684) 445047.74N/0742021.78W (6.36)
806 BLDG (KMALT0678) 445047.90N/0742021.79W (2.73)
808 POLE (KMALT0677) 445046.55N/0742019.20W (4.81)
803 BLDG (KMALT0668) 445048.77N/0742022.91W (0.38)
821 POLE (KMALT0665) 445046.56N/0742018.46W (18.77)
804 BLDG (KMALT0664) 445049.00N/0742022.92W (1.91)
805 BLDG (KMALT0660) 445049.60N/0742023.89W (3.11)
803 BLDG (KMALT0659) 445049.14N/0742022.95W (1.21)
808 CTWR (KMALT0658) 445049.17N/0742022.96W (6.27)
813 BLDG (KMALT0644) 445046.79N/0742017.81W (12.14)
802 BLDG (KMALT0643) 445049.06N/0742022.05W (1.16)
801 BLDG (KMALT0639) 445046.93N/0742017.84W (0.44)
807 TANK (KMALT0631) 445050.47N/0742021.03W (7.00)
801 BLDG (KMALT0629) 445049.44N/0742022.08W (1.03)
800 BLDG (KMALT0624) 445047.29N/0742017.75W (0.41)
808 TREE (KMALT0623) 445049.20N/0742021.30W (8.45)
814 TREE (KMALT0619) 445046.43N/0742016.00W (14.59)
813 BLDG (KMALT0616) 445047.51N/0742017.77W (13.91)
801 BLDG (KMALT0606) 445047.72N/0742017.79W (2.38)
810 BLDG (KMALT0604) 445047.52N/0742017.34W (11.48)
812 TREE (KMALT0597) 445050.03N/0742021.70W (13.92)
799 BLDG (KMALT0592) 445047.76N/0742016.94W (1.56)
808 TREE (KMALT0588) 445050.45N/0742021.83W (10.75)
797 RD (KMALT0584) 445048.61N/0742018.15W (0.05)
797 RD (KMALT0583) 445049.01N/0742018.87W (0.08)
CONT.

QUALITY CHECKED 1

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.

3. MISSED APPROACH									
	MAP:								
	ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							

5. MINIMUM SAFE ALTITUDES PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MALONE, NY	**ELEVATION: 790** AIRPORT NAME: **MALONE-DUFORT**	**RNAV**	**RNAV (GPS) RWY 5, ORIG**	**AEA**

QUALITY CHECKED 4

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
	N W S	OTHER:	SOURCE:
	F A A		DISTANCE:
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION:
V H F / U H F / H F	LOCATION:		ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

CONTINUED.

797 RD (KMALT0582) 445048.62N/0742017.98W (0.29)
797 RD (KMALT0579) 445048.63N/0742017.80W (1.54)
798 RD (KMALT0575) 445048.64N/0742017.63W (1.78)
798 RD (KMALT0572) 445048.65N/0742017.45W (2.03)
796 RD (KMALT0570) 445049.46N/0742018.89W (0.13)
798 RD (KMALT0567) 445048.66N/0742017.27W (2.28)
796 RD (KMALT0565) 445049.59N/0742018.90W (0.43)
798 RD (KMALT0564) 445048.67N/0742017.08W (2.55)
796 RD (KMALT0561) 445049.73N/0742018.91W (0.75)
798 RD (KMALT0560) 445048.68N/0742016.89W (2.82)
796 RD (KMALT0558) 445049.88N/0742018.92W (1.09)
798 RD (KMALT0557) 445048.69N/0742016.69W (3.09)
798 RD (KMALT0556) 445048.71N/0742016.49W (3.40)
795 RD (KMALT0555) 445050.03N/0742018.93W (0.44)
798 RD (KMALT0553) 445048.72N/0742016.28W (3.69)
795 RD (KMALT0552) 445050.20N/0742018.94W (0.83)
798 RD (KMALT0551) 445048.74N/0742016.07W (4.00)
795 RD (KMALT0547) 445050.37N/0742018.96W (1.21)
795 RD (KMALT0545) 445050.54N/0742018.97W (1.60)
795 RD (KMALT0542) 445050.72N/0742018.98W (2.02)
794 BLDG (KMALT0541) 445051.20N/0742019.85W (1.06)
798 RD (KMALT0539) 445048.79N/0742015.23W (5.19)
795 RD (KMALT0536) 445050.90N/0742019.00W (2.42)
802 BLDG (KMALT0535) 445051.42N/0742019.87W (9.55)
802 BLDG (KMALT0529) 445051.55N/0742019.90W (9.83)
795 RD (KMALT0528) 445051.08N/0742019.01W (2.84)
801 BLDG (KMALT0526) 445051.57N/0742019.88W (8.90)
795 RD (KMALT0520) 445051.26N/0742019.03W (3.24)
795 RD (KMALT0515) 445051.43N/0742019.05W (3.62)
797 BLDG (KMALT0514) 445053.05N/0742021.98W (5.75)
794 RD (KMALT0512) 445051.61N/0742019.06W (3.04)
794 BLDG (KMALT0511) 445052.50N/0742020.71W (3.06)
799 RD (KMALT0510) 445048.89N/0742013.83W (8.20)
794 RD (KMALT0509) 445051.78N/0742019.08W (3.42)
802 BLDG (KMALT0508) 445052.51N/0742020.35W (11.54)
794 RD (KMALT0507) 445051.95N/0742019.10W (3.80)
792 BLDG (KMALT0505) 445052.53N/0742019.99W (2.05)
793 RD (KMALT0504) 445052.12N/0742019.12W (3.17)
793 RD (KMALT0502) 445052.29N/0742019.14W (3.55)
793 RD (KMALT0501) 445052.47N/0742019.15W (3.97)
801 RD (KMALT0500) 445048.99N/0742012.35W (12.32)
792 RD (KMALT0499) 445052.65N/0742019.17W (3.37)
792 RD (KMALT0496) 445052.83N/0742019.19W (3.78)
791 RD (KMALT0492) 445053.02N/0742019.21W (3.20)
791 RD (KMALT0489) 445053.21N/0742019.23W (3.63)
791 RD (KMALT0488) 445053.41N/0742019.25W (4.08)
790 RD (KMALT0487) 445053.61N/0742019.27W (3.53)
793 BLDG (KMALT0486) 445054.11N/0742020.16W (6.59)
790 RD (KMALT0485) 445053.83N/0742019.29W (4.03)

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LIKME **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 444332.12N/0743844.60W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 5			KMAL	MALONE	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/13/2012 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MITAH **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 444120.82N/0743017.38W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW		WP	231.76	051.76	L		4	3500	4500	4	4

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	443654.00N/0743045.00W	2244	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST LEFT TURNS

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 23		1	KMAL	MALONE	NY (US)
IAP	RNAV (GPS) RWY 5		1	KMAL	MALONE	NY (US)

REQUIRED CHARTING: IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
REMOVED FAC 1 RWY 5 THLD.
ESTABLISHED HOLDING.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/08/2012 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZBW
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NICVI **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 444614.05N/0742509.75W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 5			KMAL	MALONE	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
REMOVED FAC 1, RWY 5 THRESHOLD.
MOVED FIX 504.90 FEET NORTH TO 54A PFAF LOCATION.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/10/2012 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WUVES **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 443608.86N/0742504.74W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 5			KMAL	MALONE	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/13/2012 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZELUV **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 444843.71N/0742232.30W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 5			KMAL	MALONE	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 04/19/2012 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZBW
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MASSENA VORTAC **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 445452.00N/0744321.59W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

INFO ONLY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MASSENA	MSS	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	MSS	VORTAC	296.15	116.15	R	1	-	2000	14000	4	10
2	W	MSS	VORTAC	271.00	091.00	L	1-1 1/2	-	2000	45000	4	29
3	SE		WP	120.00	300.00	R		4	1900	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (36-000118)	445411.00N/0745301.00W	596	1A
2	200	TOWER (36-000118)	445411.00N/0745301.00W	596	1A
3	200	AAO	445045.00N/0743503.00W	594	4E

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000 FEET. PAT 2 ALSO EVALUATED FOR RNAV USE, 4 MILE LEGS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BURLINGTON			KBTV	BURLINGTON	VT (US)
EN ROUTE	J37					(US)
EN ROUTE	J566					(US)
EN ROUTE	J586					(US)
EN ROUTE	J594					(US)
EN ROUTE	V104					(US)
EN ROUTE	V141					(US)
EN ROUTE	V203					(US)
EN ROUTE	V29					(US)
EN ROUTE	V98					(US)
IAP	RNAV (GPS) RWY 5			KMAL	MALONE	NY (US)
IAP	RNAV (GPS) RWY 23			KMSS	MASSENA	NY (US)
IAP	RNAV (GPS) RWY 27		3	KMSS	MASSENA	NY (US)
IAP	RNAV (GPS) RWY 9		3	KMSS	MASSENA	NY (US)
IAP	RNAV (GPS) RWY 27			KOGS	OGDENSBURG	NY (US)
IAP	NDB RWY 24			KPTD	POTSDAM	NY (US)
IAP	ILS RWY 23			KSLK	SARANAC LAKE	NY (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:
UPDATED FIX USE. MOVED FIX USE FROM REMARKS TO FIX USE.
UPDATED PATTERN AND OBSTRUCTION NUMBERS; RE-EVALUATED HOLDING PATTERN OBSTRUCTIONS, UPDATED PAT 3 OBSTRUCTION FROM 589' MSL AAO TO 594' MSL AAO, LAT/LONG 445051.00N/0733142.00W TO 445045.00N/0743503.00W, ACCURACY CODE 2C TO 4E.
MOVED HOLDING LIMITED AND UNPLANNED HOLDING NOTES FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED NOTE TO REMARKS.

THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 07/22/2009.
HOLDING PATTERN 1 RADIAL CHANGED FROM 269.15 TO 296.15.

DEVELOPED BY: **DATE:** 01/07/2010 **OFFICE:** AVN-110 **NAME:** JILL OLSON

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

QUALITY 4 CHECKED

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY:
OTHER: BTV FSS

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MUNZA **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 443145.24N/0742041.32W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SARANAC LAKE	SLK	VOR/DME	L	339.26	325.26	10.57	10.57		10000	17500
2	ST. JEAN	YJN	VORTAC	H	241.40	225.40		61.70		10000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
YJN	VORTAC	R-241	62	10000	17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	SLK	VOR/DME	339.26	159.26	R	1-1 1/2		10000	17500	11	18
2	S		WP	159.26	339.26	L		5	6000	8000	6	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	442431.47N/0741946.46W	3074	2A
2	200	AAO	442431.47N/0741946.46W	3074	2A
2	310	AAO	442009.00N/0740203.00W	3911	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	100
2	200	100
2	310	100

INFO ONLY

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) RWY 9	KSLK	SARANAC LAKE	NY (US)
2	RNAV (GPS) RWY 5	KSLK	SARANAC LAKE	NY (US)
2	RNAV (GPS) RWY 23	KSLK	SARANAC LAKE	NY (US)

REMARKS:
ST. JEAN (FAC 2) AND SARANAC LAKE (FAC 1) USED TO ESTABLISH FIX COORDINATES
HOLDING PAT 1 UNCHARTED
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V203	1, 2				(US)
IAP	RNAV (GPS) RWY 14			KLKP	LAKE PLACID	NY (US)
IAP	RNAV (GPS) RWY 5			KMAL	MALONE	NY (US)
IAP	RNAV (GPS) RWY 23		2	KSLK	SARANAC LAKE	NY (US)
IAP	RNAV (GPS) RWY 5		2	KSLK	SARANAC LAKE	NY (US)
IAP	RNAV (GPS) RWY 9		2	KSLK	SARANAC LAKE	NY (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
AMENDED LAT/LONG, MOVED FIX 8 FEET NORTHEAST
AMENDED FAC 1/2 MRA FROM 5000 TO 10000
AMENDED ESV MRA FROM 5000 TO 10000
AMENDED HOLDING PAT 1 MIN ALT FROM 5000 TO 10000 AND MIN TEMPLATE FROM 9 TO 11
AMENDED HOLDING PAT 2 MIN ALT FROM 5000 TO 6000
ADDED SLK RNAV (GPS) RWY 23 TO "PROCEDURES REQUIRING CLIMB-IN-HOLD"
UPDATED FIX USE
GNSS MEA 6000 ON V203
ADDED "PRECIPITOUS TERRAIN ADDITIONS" FOR ALL 3 CONTROLLING OBSTRUCTIONS

QUALITY CHECKED

DEVELOPED BY:	**DATE:** 07/14/2011	**OFFICE:** AJV-352	**NAME:** JAMES DUBOIS
APPROVED BY:	**DATE:**	**OFFICE:** AJV-352	**NAME:** DARRYEL ADAMS
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY:
OTHER:

QUALITY CHECKED 4

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **MALONE** STATE: **NY**

AIRPORT NAME: **MALONE-DUFORT** ID: **KMAL**

PROCEDURE: **RNAV (GPS) RWY 5** AMDT: **ORIG**

DOCKET#: **REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **4.12**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **036.82**
4. High Terrain in **FINAL** segment containing 1000' point **1175**
5. Distance from **FAF** to 1500' point **6.04**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **036.76**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1743**
9. Threshold Coordinates (if straight-in) ... **445058.11N** / **0742010.67W**
10. ARP Coordinates ..... **445113.20N** / **0741944.20W**
11. Runway Approach End and distance furthest from ARP ..... RWY **5**
    Distance **0.40** NM
12. FAF Coordinates ..... **444614.05N** / **0742509.75W**

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

NAME: SIRDY **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 443828.13N/0742433.68W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MITAH					126.77	5.00				17500

REMARKS:
NAME CHANGED FROM WEIPY TO SIRDY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	MALONE-DUFORT - GPS RWY 5			KMAL	MALONE	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/20/1998

REASON FOR REVISION:
EFFECTIVE CONCURRENT WITH MALONE-DUFORT GPS RWY 5, ORIG

DEVELOPED BY: **DATE:** 08/14/1998 **OFFICE:** AVN-110 **NAME:** ROBERT ABBOTT

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** BRAD RUSH

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: NYC
ARTCC: ZBW
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TEWES **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 444427.27N/0743547.42W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MITAH					306.77	5.68				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	MALONE-DUFORT - GPS RWY 5			KMAL	MALONE	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/20/1998

REASON FOR REVISION:
EFFECTIVE CONCURRENT WITH MALONE-DUFORT GPS RWY 5, ORIG

DEVELOPED BY: **DATE:** 08/14/1998 **OFFICE:** AVN-110 **NAME:** ROBERT ABBOTT

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** BRAD RUSH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZBW
ATC FACILITY:
OTHER:

QUALITY CHECKED