

RADIO FIX AND HOLDING DATA RECORD

NAME: BADDA

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 405806.17N/0741501.76W

TYPE: WP, RADAR, INT

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 FEET	MRA	MAA
1	MORRISTOWN	I-MMU	LOC		049.10	036.10		13.07	3000	4600
2	SPARTA	SAX	VORTAC	H	125.37	114.37		14.36	3000	4600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MORRISTOWN (FAC 1) AND SPARTA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 23	1, 2		KMMU	MORRISTOWN	NJ (US)
IAP	ILS Z OR LOC Z RWY 23	1, 2		KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) X RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) Z RWY 23			KMMU	MORRISTOWN	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

ADDED INT TO FIX TYPE.

CHANGED FAC 1 I-MMU MAG/TRUE BRG FROM 049.11/036.11 TO 049.10/036.10 IN FIX MAKE-UP FACILITIES.

ADDED FAC 2 SAX VORTAC TO FIX MAKE-UP FACILITIES.

ADDED "MORRISTOWN (FAC 1) AND SPARTA (FAC 2) USED TO ESTABLISH FIX COORDINATES" TO REMARKS.

ADDED Z TO IAP ILS OR LOC RWY 23 FOR KMMU AND FAC 1 & 2 IN FIX USE.

ADDED IAP ILS Y OR LOC Y RWY 23 FOR KMMU TO FIX USE.

ADDED IAP RNAV (GPS) X RWY 23 FOR KMMU TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: BINGG

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 405251.36N/0742005.35W

TYPE: WP, RADAR, INT

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 FEET	MRA	MAA
1	MORRISTOWN	I-MMU	LOC		049.10	036.10		6.58 39970	2000	4600
2	SPARTA	SAX	VORTAC	H	151.36	140.36		14.52	2000	4600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MORRISTOWN (FAC 1) AND SPARTA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 23	1, 2		KMMU	MORRISTOWN	NJ (US)
IAP	ILS Z OR LOC Z RWY 23	1, 2		KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) X RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) Z RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (RNP) Y RWY 23			KMMU	MORRISTOWN	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

CHANGED FAC 1 I-MMU MAG/TRUE BRG FROM 049.11/036.11 TO 049.10/036.10 IN FIX MAKE-UP FACILITIES.
ADDED Z TO IAP ILS OR LOC RWY 23 FOR KMMU AND FAC 1 & 2 IN FIX USE.
ADDED IAP ILS Y OR LOC Y RWY 23 FOR KMMU TO FIX USE.
ADDED IAP RNAV (GPS) X RWY 23 FOR KMMU TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 10/23/2025

OFFICE: AVJ-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: EMRSN

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 410006.16N/0743312.89W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	S		WP	189.80	009.80	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (34-000233)	410035.58N/0743537.36W	1612	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 23		1	KMMU	MORRISTOWN	NJ (US)
IAP	ILS Z OR LOC Z RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) X RWY 23		1	KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) Z RWY 23			KMMU	MORRISTOWN	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

ADDED PAT 1 TO HOLDING AND ITS CONTROLLING OBSTACLE IN CONTROLLING OBSTRUCTIONS.
ADDED "HOLDING LIMITED TO ESTABLISHED PATTERN" TO HOLDING RESTRICTIONS.
ADDED "PRECIPITOUS TERRAIN EVALUATION COMPLETED" TO REMARKS.
ADDED Z TO IAP ILS OR LOC RWY 23 FOR KMMU IN FIX USE.
ADDED IAP ILS Y OR LOC Y RWY 23 FOR KMMU TO FIX USE.
ADDED IAP RNAV (GPS) X RWY 23 FOR KMMU TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: FALTY

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 410124.04N/0742608.66W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	ILS Z OR LOC Z RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) X RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) Z RWY 23			KMMU	MORRISTOWN	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

ADDED Z TO IAP ILS OR LOC RWY 23 FOR KMMU IN FIX USE.
ADDED IAP ILS Y OR LOC Y RWY 23 FOR KMMU TO FIX USE.
ADDED IAP RNAV (GPS) X RWY 23 FOR KMMU TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: GODLY

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 410241.49N/0741904.15W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	ILS Z OR LOC Z RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) X RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) Z RWY 23			KMMU	MORRISTOWN	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

ADDED Z TO IAP ILS OR LOC RWY 23 FOR KMMU IN FIX USE.
ADDED IAP ILS Y OR LOC Y RWY 23 FOR KMMU TO FIX USE.
ADDED IAP RNAV (GPS) X RWY 23 FOR KMMU TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SOLBERG VOR/DME

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 403458.96N/0744430.45W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	SOLBERG	SBJ	VOR/DME	VL						45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	S	SBJ	VOR/DME	195.88	015.88	R	1	2100 6000	4 5
2	SW	SBJ	VOR/DME	241.01	061.01	R	1	2000 6000	4 5
3	N	SBJ	VOR/DME	351.00	171.00	R	1	2300 6000	4 5
4	S		WP	198.88	018.88	R		2500 6000	5 6
5	E	SBJ	VOR/DME	070.00	250.00	L	1	2000 6000	4 5
6	E		WP	070.00	250.00	L		2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	403712.46N/0744808.20W	920	2C
1	310	TOWER (34-000168)	401658.00N/0744110.00W	1048	5E
2	200	AAO	403554.00N/0744527.00W	1109	4E
3	200	AAO	404154.00N/0745100.00W	1214	4E
4	200	AAO	403545.00N/0744921.00W	1017	4B
4	310	AAO	404124.00N/0744809.00W	1119	4B
5	200	AAO	403545.03N/0744911.01W	980	2C
6	200	AAO	403545.00N/0744909.00W	981	4B

REASON FOR NONSTANDARD HOLDING:

PAT 5 TERRAIN

PAT 6 TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 4	N51	READINGTON	NJ (US)
4	RNAV (GPS) RWY 12	KSMQ	SOMERVILLE	NJ (US)

REMARKS:

ASSIGNED FACILITY MAGVAR: 10W/1965.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

USED AT 45000 PER ESV.

CHART SUBDUED ON EN ROUTE HIGH.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	CENTRAL			47N	MANVILLE	NJ (US)
DP	MORRISTOWN			KMMU	MORRISTOWN	NJ (US)
DP	DEVIL			KEWR	NEWARK	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	PRINCETON			39N	PRINCETON/ROCKY HILL	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	LONG ISLAND			KISP	NEW YORK	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	TNNIS (RNAV)			KLGA	NEW YORK	NY (US)
DP	STEWART			KSWF	NEW YORK	NY (US)
DP	DUTCHESS			KPOU	POUGHKEEPSIE	NY (US)
DP	PROP			KHPN	WHITE PLAINS	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	Q75					(US)
EN ROUTE	T430					(US)
EN ROUTE	T434					(US)
EN ROUTE	V232					(US)
EN ROUTE	V249					(US)
EN ROUTE	V3					(US)
EN ROUTE	V30					(US)
EN ROUTE	V403					(US)

EN ROUTE	V405			(US)
EN ROUTE	V419			(US)
EN ROUTE	V6			(US)
IAP	LOC RWY 22		KCDW	CALDWELL NJ (US)
IAP	RNAV (GPS) RWY 10		KCDW	CALDWELL NJ (US)
IAP	RNAV (GPS) RWY 4		KCDW	CALDWELL NJ (US)
IAP	RNAV (GPS) RWY 25		47N	MANVILLE NJ (US)
IAP	ILS Z OR LOC Z RWY 23	5	KMMU	MORRISTOWN NJ (US)
IAP	RNAV (GPS) RWY 5		KMMU	MORRISTOWN NJ (US)
IAP	RNAV (GPS) Z RWY 23	6	KMMU	MORRISTOWN NJ (US)
IAP	RNAV (RNP) Y RWY 23	6	KMMU	MORRISTOWN NJ (US)
IAP	ROUTE 80 VISUAL RWY 23		KMMU	MORRISTOWN NJ (US)
IAP	ILS OR LOC RWY 22L		KEWR	NEWARK NJ (US)
IAP	ILS OR LOC RWY 22R		KEWR	NEWARK NJ (US)
IAP	ILS RWY 22L (CAT II-III)		KEWR	NEWARK NJ (US)
IAP	ILS RWY 22L (SA CAT I)		KEWR	NEWARK NJ (US)
IAP	VOR RWY 7		N40	PITTSTOWN NJ (US)
IAP	RNAV (GPS)-A		N85	PITTSTOWN NJ (US)
IAP	RNAV (GPS)-B		N85	PITTSTOWN NJ (US)
IAP	VOR/DME RWY 8		N85	PITTSTOWN NJ (US)
IAP	RNAV (GPS) RWY 10		39N	PRINCETON/ROCKY HILL NJ (US)
IAP	VOR-A	3	39N	PRINCETON/ROCKY HILL NJ (US)
IAP	VOR RWY 4	1	N51	READINGTON NJ (US)
IAP	RNAV (GPS) RWY 12	4	KSMQ	SOMERVILLE NJ (US)
IAP	VOR RWY 8	2	KSMQ	SOMERVILLE NJ (US)
IAP	ILS Z OR LOC Z RWY 6		KTEB	TETERBORO NJ (US)
IAP	RNAV (GPS) X RWY 6		KTEB	TETERBORO NJ (US)
IAP	RNAV (GPS) Y RWY 6		KTEB	TETERBORO NJ (US)
IAP	RNAV (RNP) Z RWY 19		KTEB	TETERBORO NJ (US)
IAP	RNAV (RNP) Z RWY 6		KTEB	TETERBORO NJ (US)
IAP	RNAV (GPS) RWY 16		KTTN	TRENTON NJ (US)
IAP	VOR OR GPS RWY 13L/R		KJFK	NEW YORK NY (US)
IAP	ILS OR LOC RWY 13		KABE	ALLENTOWN PA (US)
IAP	ILS OR LOC RWY 6		KABE	ALLENTOWN PA (US)
IAP	ILS OR LOC/DME RWY 24		KABE	ALLENTOWN PA (US)
IAP	ILS RWY 6 (SA CAT I-II)		KABE	ALLENTOWN PA (US)
IAP	RNAV (GPS) RWY 24		KABE	ALLENTOWN PA (US)
IAP	RNAV (GPS)-A		N43	EASTON PA (US)
STAR	JAIKE (RNAV)		KCDW	CALDWELL NJ (US)
STAR	MAZIE (RNAV)		KCDW	CALDWELL NJ (US)
STAR	MAZIE (RNAV)		N07	LINCOLN PARK NJ (US)
STAR	JAIKE (RNAV)		KLDJ	LINDEN NJ (US)
STAR	MAZIE (RNAV)		KLDJ	LINDEN NJ (US)
STAR	JAIKE (RNAV)		47N	MANVILLE NJ (US)
STAR	MAZIE (RNAV)		47N	MANVILLE NJ (US)
STAR	JAIKE (RNAV)		KMMU	MORRISTOWN NJ (US)
STAR	MAZIE (RNAV)		KMMU	MORRISTOWN NJ (US)
STAR	JAIKE (RNAV)		KSMQ	SOMERVILLE NJ (US)
STAR	MAZIE (RNAV)		KSMQ	SOMERVILLE NJ (US)
STAR	JAIKE (RNAV)		KTEB	TETERBORO NJ (US)
STAR	MAZIE		KTEB	TETERBORO NJ (US)
STAR	MILTON		KLGA	NEW YORK NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 36

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

IN HOLDING CONTROLLING OBSTRUCTIONS: CHANGED PAT 6 200 AAO FROM "403545.03N/0744911.01W" TO "403545.00N/0744909.00W", CHANGED ELEVATION FROM "980" TO "981" & CHANGED AC CODE FROM "2C" TO "4B".

IN FIX USE: REMOVED KDYL VOR-A .

IN FIX USE: ADDED IAP RNAV (RNP) Y RWY 23 FOR KMMU AIRPORT.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A33 **NAME:** TEVAR MALONE

APPROVED BY: **DATE:** 10/23/2025 **OFFICE:** AJV-A33 **NAME:** KYLE THOMPSON

SIGNATURE: