TRANSMITTAL OF AIRWAYS / ROUTE DATA

AIRWAY NO. OR ROUTE	FROM / TO	ROUTINE OR DOCKET NO.	CONTROLLING @ TERRAIN/OBSTRUCTION AND COORDINATES	MRA / MOCA	MAA / MEA	GNSS MEA	CHANGE OVER POINT	FIX MRA/MCA	REMARKS	FLIGHT INSPECTION DATES
V405	POTTSTOWN, PA VORTAC		TOWER 1598 403352.00N-0752623.00W TERRAIN 1014 @ 403357.50N-0752608.70W	5000	17500		DL LANNA		MAINTAIN PREVIOUS MEA DUE TO FLT CHK RESTRICTIONS	ON FILE
	LANNA, NJ			--2600--	5000					
	LANNA, NJ		AAO 1122 403703.00N-0750042.00W TERRAIN 922 @ 403703.00N-0750042.00W	2700	17500				INCREASE MEA TO MATCH V30. DO NOT CHART MOCA SINCE HIGHER MOCA ON V30.	ON FILE
	SOLBERG, NJ VOR/DME			--2200--	2700					
									CLEAR FDC NOTAM	

DATE	OFFICE	TITLE	SIGNATURE
	AJV-311	MANAGER	RAY NUSSEAR

04 8 APPROVED

FAA FORM 8260-16 / October 2002 (computer generated)

Info Only

RADIO FIX AND HOLDING DATA RECORD

NAME: LANNA **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 403335.07N/0750139.81W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 10-AEA-11 **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	POTTSTOWN	PTW	VORTAC	L	059.18	050.18		31.71		5000	45000
2	SOLBERG	SBJ	VOR/DME	L	273.99	263.99	13.15	13.15		2000	41000
3	YARDLEY	ARD	VOR/DME	L	353.36	343.36		19.18		2000	26000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PTW	VORTAC	R-059	32	5000	45000
SBJ	VOR/DME	R-274	14	18000	41000
ARD	VOR/DME	R-353	20	18000	26000

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	MORRISTOWN	2		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	2		KTEB	TETERBORO	NJ (US)
DP	FARMINGDALE			KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND			KISP	ISLIP	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	TNNIS (RNAV)			KLGA	NEW YORK	NY (US)
DP	STEWART	2		KSWF	NEWBURGH	NY (US)
DP	DUTCHESS	2		KPOU	POUGHKEEPSIE	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	Q448					(US)
EN ROUTE	J48	1, 2, 3				NJ (US)
EN ROUTE	V30	1, 2, 3				NJ (US)
EN ROUTE	V405	1, 2, 3				NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
Q448 ADDED.

DEVELOPED BY: **DATE:** 05/09/2011 **OFFICE:** AJV-311 **NAME:** TOBY HUFF (ABRAHAM BRODY)

APPROVED BY: **DATE:** 08/26/2011 **OFFICE:** AJV-311 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: NYC APP CON
OTHER:

INFO ONLY

Info Only

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: SOLBERG VOR/DME **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 403458 96N/0744430.46W **TYPE:**

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	SOLBERG	SBJ	VOR/DME	L							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	SE	SBJ	VOR/DME	130.00	310.00	R	1		2300	6000	4	5
2	S	SBJ	VOR/DME	195.85	015.85	R	1		2200	6000	4	5
3	SW	SBJ	VOR/DME	241.01	061.01	R	1		2100	6000	4	5
4	NW	SBJ	VOR/DME	308.12	128.12	L	1		2500	6000	4	5
5	N	SBJ	VOR/DME	351.00	171.00	R	1		2200	6000	4	5
6	S		WP	198.88	018.88	R		4	2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	403554.00N/0744927.00W	1109	4E
1	310	AAO	404154.73N/0745058.85W	1187	2A
2	200	AAO	403648.00N/0744751.00W	1057	4E
2	310	AAO	404124.96N/0744808.96W	1159	2C
3	200	AAO	403646.00N/0744750.00W	1039	2C
4	200	AAO	404154.73N/0745058.85W	1187	2A
5	200	AAO	404154.73N/0745058.85W	1187	2A
6	200	AAO	403646.84N/0744751.42W	1039	2C
6	310	AAO	404124.96N/0744808.96W	1159	2C

REASON FOR NONSTANDARD HOLDING:
PAT 4 PHL APP CON AIRSPACE BOUNDARY

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR-A	KN51	READINGTON	NJ (US)
2	VOR RWY 04	KN51	READINGTON	NJ (US)
6	RNAV (GPS) RWY 12	KSMQ	SOMERVILLE	NJ (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

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	MORRISTOWN			KMMU	MORRISTOWN	NJ (US)
DP	TAKE-OFF MINIMUMS			KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	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	SEAVIEW			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	STEWART			KSWF	NEWBURGH	NY (US)
DP	DUTCHESS			KPOU	POUGHKEEPSIE	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J75					(US)
EN ROUTE	V232					(US)
EN ROUTE	V249					(US)
EN ROUTE	V3-V405					(US)
EN ROUTE	V3-V405-V419					(US)
EN ROUTE	V3-V419					(US)
EN ROUTE	V30-V405					(US)
EN ROUTE	V403					(US)
EN ROUTE	V6					(US)
IAP	RNAV (GPS) RWY 04			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 10			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 25			K47N	MANVILLE	NJ (US)

IAP	VOR-A	4	K47N	MANVILLE	NJ (US)
IAP	RNAV (GPS) RWY 05		KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (RNP) Y RWY 23		KMMU	MORRISTOWN	NJ (US)
IAP	VOR RWY 07		KN40	PITTSTOWN	NJ (US)
IAP	VOR OR GPS RWY 08		KN85	PITTSTOWN	NJ (US)
IAP	RNAV (GPS) RWY 10		K39N	PRINCETON/ROCKY HILL	NJ (US)
IAP	VOR-A	5	K39N	PRINCETON/ROCKY HILL	NJ (US)
IAP	VOR RWY 04	2	KN51	READINGTON	NJ (US)
IAP	VOR-A	1	KN51	READINGTON	NJ (US)
IAP	RNAV (GPS) RWY 12	6	KSMQ	SOMERVILLE	NJ (US)
IAP	VOR RWY 08	3	KSMQ	SOMERVILLE	NJ (US)
IAP	ILS RWY 06		KTEB	TETERBORO	NJ (US)
IAP	ILS RWY 19		KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) X RWY 6		KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) Y RWY 06		KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS)-C		KTEB	TETERBORO	NJ (US)
IAP	RNAV (RNP) RWY 19		KTEB	TETERBORO	NJ (US)
IAP	RNAV (RNP) Z RWY 06		KTEB	TETERBORO	NJ (US)
IAP	VOR/DME RWY 06		KTEB	TETERBORO	NJ (US)
IAP	VOR OR GPS RWY 24		KTEB	TETERBORO	NJ (US)
IAP	ILS OR LOC RWY 06		KTTN	TRENTON	NJ (US)
IAP	ILS OR LOC/DME RWY 24		KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) RWY 24		KABE	ALLENTOWN	PA (US)
IAP	VOR-A		KABE	ALLENTOWN	PA (US)
IAP	VOR RWY 23		KABE	ALLENTOWN	PA (US)
IAP	GPS RWY 36		KDYL	DOYLESTOWN	PA (US)
OTHER	ROUTE 80 VISUAL RWY 23 APPROACH		KN43	EASTON	PA (US)
			KMMU	MORRISTOWN	NJ (US)
STAR	DYLIN		KEWR	NEWARK	NJ (US)
STAR	JAIKE (RNAV)		KTEB	TETERBORO	NJ (US)
STAR	LENDY		KJFK	NEW YORK	NY (US)
STAR	GATBY		KLGA	NEW YORK	NY (US)
STAR	KORRY		KLGA	NEW YORK	NY (US)
STAR	MILTON		KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED HOLDING PATTERN 3, CHANGED RAD/CRS/BRG FROM 237.00 TO 237.25 AND CHANGED CRS INBOUND FROM 057.00 TO 057.25.
REMOVED "200'" FROM CONTOLLING OBSTRUCTIONS/OBSTRUCTION DESCRIPTION.
DELETED CONTROLLING OBSTRUCTION PATTERN FROM PATTERN 3.
DELETED PROCEDURES REQUIRING CLIMB-IN-HOLD PATTERN 3.
UPDATED HOLDING INB COURSE FROM 057.25 TO 061.01, TO MATCH PT COURSE INB.

DEVELOPED BY: **DATE:** 09/28/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (RODNEY TEMPLETON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: NY TRACON
OTHER:

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