

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
AFOFY (IAF)	CARAK (FB)	236.59 / 5.82	2000	LNAV: RW30
BONIE (IAF)	CARAK (FB)	010.13 / 5.92	2000	
CARAK (IF)	BUPDE (FB)	302.11 / 4.93	1700	
BUPDE (FAF)	AKEXE/3.70 NM TO RW30 (FB)	302.03 / 1.20		CLIMB TO 2500 DIRECT OFFER AND HOLD.
AKEXE/3.70 NM TO RW30	RW30 (MAP) (FO)	302.02 / 3.70		
RW30 (MAP)	505 MSL	302.02		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 122.97 INBOUND. FAS OBST: 719 AAO 403658N/0743648W BUPDE TO RW30: 3.00/40.
505 MSL	OFFER (FO)		2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT CARAK
- FAC: 302.04 FAF: BUPDE DIST FAF TO MAP: 4.90 THLD: 4.90
- MIN. ALT: CARAK 2000, BUPDE 1700, AKEXE/3.70 NM TO RW30 1300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW30 2900

MAG VAR: 13W 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
LNAV MDA	980	1	879	980	1 1/4	879		NA			NA				
CIRCLING	980	1 1/4	875	980	1 1/4	875		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BONIE ON V213 SOUTHBOUND AND ON V433 WESTBOUND.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT AFOFY.
(SEE FORM 8260-10)



CITY AND STATE SOMERVILLE, NJ	ELEVATION: 105 THRE: 101 AIRPORT NAME: SOMERSET	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1	SUP: AMDT: ORIG DATED 05/15/2003
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ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE <div style="text-align: center;">ROUTINE</div>
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COORDINATED WITH:						
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input checked="" type="checkbox"/>	NBAA <input checked="" type="checkbox"/>	OTHER (specify) <u>ZNY, NEW YORK APP CON, AMGR</u>

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: DONALD E. SMITH (RODNEY TEMPLETON)	FIFO AJV-352	DATE: 09/09/2011

APPROVED BY		
NAME: DARRYEL ADAMS	FIFO AJV-352	DATE:

CHANGES:

1. DELETED FEEDER, METRO.
2. DELETED FEEDER, SHOTT.
3. CHANGED IAF LOCATION FROM HEKPO TO AFOPY SEGMENT ALTITUDE FROM 3000 TO 2000.
4. CHANGED IAF LOCATION FROM ZUVOR TO BONIE AND SEGMENT ALTITUDE FROM 3000 TO 2000.
5. INTERMEDIATE SEGMENT DISTANCE CHANGED FROM 5.00 TO 4.93.
6. ADDED STEPDOWN FIX.
7. LINE 3 DISTANCE FAF TO THLD CHANGED FROM 4.83 TO 4.90.
8. LNAV MDA/HAT CAT A AND B CHANGED FROM 940/839 TO 980/879.
9. CIRCLING MDA/HAA CAT A AND B CHANGED FROM 940/835 TO 980/875.
10. CIRCLING MINIMUM VISIBILITY CAT A CHANGED FROM 1 TO 1 1/4.
11. ADDED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
12. ADDED CHART NOTE: PROCEDURE NA AT NIGHT.
13. CHANGED CHARTING OF TDZE 101 TO THRE 101.
14. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MORRISTOWN ALTIMETER SETTING AND INCREASE ALL MDA 60 FT AND INCREASE LNAV CAT A SEE 8260-10

REASONS:

- 1., 2., 3., AND 4. ATC REQUEST.
5. RECALCULATION AND CORRECTION OF SEGMENT DISTANCE.
6. ADDED STEPDOWN TO OBTAIN LOWER MDA.
7. ADJUSTED FAF LOCATION, BUPDE, TO PFAF LOCATION.
- 8, 9., AND 10. NEW CONTROLLING OBSTRUCTION.
11. IAW 8260.19D PARA 854(3).
12. NO SURVEYS.
13. IAW 8260.19D PARA 858.
14. 8260.19D PARA 854
15. TURNS IN EXCESS OF 90 DEGREES.
16. NEW VALUES.
17. FIX NOT ON ENROUTE STRUCTURE.

PDF EDITS:
SEE 8260-10



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MORRISTOWN ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LNAV CAT A VISIBILITY 1/4 MILE.



CITY AND STATE SOMERVILLE, NJ	ELEVATION: 105 THRE: 101 AIRPORT NAME: SOMERSET	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1	SUP:
				AMDT: ORIG
				DATED: 05/15/2003

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE							
COORDINATED WITH: <table style="width:100%; border:none;"> <tr> <td style="text-align:center; padding: 2px;">ATA <input type="checkbox"/></td> <td style="text-align:center; padding: 2px;">AAT <input type="checkbox"/></td> <td style="text-align:center; padding: 2px;">ALPA <input type="checkbox"/></td> <td style="text-align:center; padding: 2px;">APA <input type="checkbox"/></td> <td style="text-align:center; padding: 2px;">AOPA <input type="checkbox"/></td> <td style="text-align:center; padding: 2px;">NBAA <input type="checkbox"/></td> <td style="text-align:center; padding: 2px;">OTHER (specify) <input type="checkbox"/> _____</td> </tr> </table>			ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/> _____
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/> _____			
FLIGHT CHECKED BY									
NAME:	FIFO	DATE:							
DEVELOPED BY									
NAME:	FIFO	DATE:							
APPROVED BY									
NAME:	FIFO	DATE:							
CHANGES: CHANGES CONT. VISIBILITY 1/4 MILE. 15. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BONIE ON V433 WESTBOUND AND ON V213 SOUTHBOUND. 16. CHANGES THE DESCENT ANGLE FROM 3.04/40 TO 3.00/40. 17. ADDED PLANVIEW NOTE: "RADAR REQUIRED FOR ARRIVALS AT AFOPY".									
REASONS: REASONS CONT. 1. ADDED (FAF) TO BUPDE IN FROM OF TERMINAL ROUTES. 2. EDITED MISSED APPROACH ALTITUDE IN TERMINAL ROUTES FROM 505 TO 2500 FEET. 3. ON 8260-10, ARINC PACKET-424-18-RNAV (GPS) UNDER "SEGMENT", DELETED 020 FROM LAST LINE. 4. ON 8260-10 ARINC FLIGHT INSPECTION SUMMARY, DELETED 2.0 FROM LAST INE OF MISSED APPROACH. 5. DELETED "1300" IN TERMINAL ROUTES UNDER ALTITUDE IN THE BUPDE TO AKEXE LINE.									

QUALITY
 6
 CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE				
COORDINATED WITH:						
<input type="checkbox"/> ATA	<input type="checkbox"/> AAT	<input type="checkbox"/> ALPA	<input type="checkbox"/> APA	<input type="checkbox"/> AOPA	<input type="checkbox"/> NBAA	<input type="checkbox"/> OTHER (specify) _____
FLIGHT CHECKED BY						
NAME:					FIFO	DATE:
DEVELOPED BY						
NAME:					FIFO	DATE:
APPROVED BY						
NAME:					FIFO	DATE:
CHANGES:						
REASONS:						

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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 STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AFOFY	AFOFY	010	IAF	IF						
	AFOFY	CARAK	020	IF	TF		FB	1.0	236.6 (223.6T)	005.8	02000
	BONIE	BONIE	010	IAF	IF						
	BONIE	CARAK	020	IF	TF		FB	1.0	010.1 (357.1T)	005.9	02000
		CARAK	010	FACF	IF						02000
		BUPDE	020	FAF	TF		FB	0.5	302.1 (289.1T)	004.9	01700
		AKEXE	021	SDF	TF		FB	0.3	302.0 (289.0T)	001.2	0130001319
		RW30	030	MAP	TF		FO	0.3	302.0 (289.0T)	003.7	00141

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA				302.0 (289.0T)		00505
	OFFER	050		DF		FO				02500
	OFFER	060		HM	R	FO		123.0 (110.0T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AFOFY	N403830.77	W0742237.05	N4038.513	W07422.618
	AKEXE	N403617.71	W0743529.09	N4036.295	W07435.485
	BONIE	N402822.45	W0742729.62	N4028.374	W07427.494
	BUPDE	N403554.31	W0743400.06	N4035.905	W07434.001
	CARAK	N403417.55	W0742752.99	N4034.293	W07427.883
	OFFER	N404012.33	W0745026.64	N4040.206	W07450.444
	RW30	N403730.02	W0744004.73	N4037.500	W07440.079

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	00101	40

QUALITY
CHECKED

CITY AND STATE SOMERVILLE, NJ	ELEVATION: 105	THRE: 101	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1	SUP:
	AIRPORT NAME: SOMERSET				AMDT: ORIG
					DATED: 05/15/2003

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE				
COORDINATED WITH:						
<input type="checkbox"/> ATA	<input type="checkbox"/> AAT	<input type="checkbox"/> ALPA	<input type="checkbox"/> APA	<input type="checkbox"/> AOPA	<input type="checkbox"/> NBAA	<input type="checkbox"/> OTHER (specify) _____
FLIGHT CHECKED BY						
NAME:					FIFO	DATE:
DEVELOPED BY						
NAME:					FIFO	DATE:
APPROVED BY						
NAME:					FIFO	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.			
INITIAL	AFOPY	CARAK	1. AAO	403900.00N/0742654.00W	807 (4E)	1000	AT193	2000			
			2. TERRAIN	403809.00N/0742824.00W	594 (600)		AS1000	1600			
INITIAL	BONIE	CARAK	3. TOWER (34-000251)	402832.00N/0742927.00W	628 (5D)	1000	AT372	2000			
			4. TERRAIN	403130.00N/0742606.00W	148 (148)		AS1000	1100			
INTERMEDIATE	CARAK	BUPDE	5. TOWER (34-000182)	403717.00N/0743014.00W	949 (5E)	500	AT126 AC125	1700			
			6. TERRAIN	403621.00N/0743336.00W	637 (600)		AS1000	1600			
INTERMEDIATE	CARAK	BUPDE	7. AAO	403618.00N/0743333.00W	837 (4E)	500	AC98 AT265	1700			
			8. TERRAIN	403618.00N/0743333.00W	637 (600)		AS1000	1600			
FINAL: LNAV	BUPDE	AKEXE/3.70 NM TO	9. TOWER (34-001003)	403641.00N/0743411.00W	920 (4D)	250	AC50 RA48 DG32	1300			
		RW30									
FINAL: LNAV STEPDOWN	AKEXE/3.70 NM TO	RW30	10. AAO	403658.00N/0743648.00W	719 (2C)	250		980			
									RW30		
2. PROCEDURE TURN		NA									
3. MISSED APPROACH	MAP:	RW30	OFFER			ASC			2500		
	ELEV:	880		11. AAO	404156.00N/0745057.00W	1199 (2C)	1000	AT301	2500		
			12. TERRAIN	404124.00N/0744809.00W	942 (900)	1000			1900		
4. CIRCLING AREA		DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	875	13. TREE	403652.00N/0744113.00W	339 (2C)	300	SI	980
CATEGORY B	1.5 NM		450		875	14. TREE	403809.00N/0743803.00W	399 (2C)	300	SI	980
CATEGORY C	1.7 NM		450								
CATEGORY D	2.3 NM		550								
CATEGORY E	4.5 NM		550								
5. MINIMUM SAFE ALTITUDES											
PRIMARY NAVID: RW30											
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
360-360	AAO	337/ 29.0	1815 (4E)	2900							
CITY AND STATE		ELEVATION: 105		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION			
SOMERVILLE, NJ		AIRPORT NAME: SOMERSET		RNAV		RNAV (GPS) RWY 30, AMDT 1		AEA			

PART B - SUPPLEMENTAL DATA										
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE				3. ALTIMETER SETTING			
ZNY ARTCC NEW YORK APP CON MIV FSS			N W S		OTHER: ASOS		SOURCE: KSMQ / KMMU			
			F A A				DISTANCE: 0 / 15.61			
			A / C				HOURS REMOTE OPERATION: BACKUP			
SATISFACTORY ON:			LOCATION: KSMQ				ADJUSTMENT: 0 / 48			
4. MONITOR STATUS	X V H F		X U H F		H F		PRIMARY NAVAID:			
							MONITOR POINT:			
	HRS OPTN:	CAT 1			CAT 3					
5. APPROACH & RUNWAY LIGHTING			ALS							
			(S) SALS							
			MALS							
			HIRL							
	X			MIRL 12, 30						
			REIL							
			TDZ							
			C/LINE							
		OTHER (SPECIFY)								
6. RUNWAY MARKINGS		BASIC		BSC-G 30						
				ALL WEATHER						
				INSTRUMENT		NPI-F 12				
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		X	RUNWAY THRESHOLD		FT. FROM THRESHOLD					
		X	ON CENTERLINE		FT. FROM CENTERLINE					
10. WAIVERS: NONE										
PART D - PREPARED BY: DONALD E. SMITH (RODNEY TEMPLETON)					DATE: 09/09/2011					
TITLE: AERONAUTICAL INFORMATION SPECIALIST					OFFICE: AJV-352					

PART C - REMARKS:
 THRESHOLD DISPLACED 600'.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 UNABLE TO VERIFY VISUAL SURFACES DUE TO LACK OF SURVEY.
 RASS PRESSURE PATTERNS SAME
 KSMQ 105.0, KMMU 186.5
 RA = 47.32.
 SEE ATTACHED AIRSPACE LETTER.
 LP NOT DEVELOPED DUE TO NO DECREASE IN LP MDA FROM LNAV
 MDA (MEMO: 20 AUG 11).
 LPV AND LNAV/VNAV NOT DEVELOPED DUE TO LACK OF SURVEY.
 TAA NOT DEVELOPED PER FPT.
 AVERAGE VEGETATION ASSUMED TO BE 100FT PER FPT.
 PROCEDURE NA AT NIGHT DUE TO LACK OF SURVEYS.
 RW30 DISPLACED 600FT.
 PROCEDURE IS CAT A, B ONLY DUE TO RUNWAY LENGTH.
 VGSi DATA: NONE.
 OBS #9 REQUESTED 4D AC FROM FLIGHT CHECK.

QUALITY
5
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AFOPY

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 403830.77N/0742237.05W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 30

FAC PAT

AIRPORT IDENT CITY
KSMQ SOMERVILLE

STATE
NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/05/2012

DEVELOPED BY:

DATE: 11/01/2011

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:



RADIO FIX AND HOLDING DATA RECORD

NAME: AKEXE

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 403617.71N/0743529.09W

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 30

KSMQ

SOMERVILLE

NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/09/2012

DEVELOPED BY:

DATE: 09/02/2011

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: ZNY

OTHER: NYC APP CON

QUALITY
6
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BONIE

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 402822.45N/0742729.62W

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	FAC FEET	MRA	MAA
1	KENNEDY	JFK	VOR/DME	H	265.24	253.24	32.84	32.84		1500	17500
2	SPARTA	SAX	VORTAC	H	185.13	174.13		35.84		1500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V213	1, 2				(US)
EN ROUTE	V433	1, 2				(US)
IAP	RNAV (GPS) RWY 30			KSMQ	SOMERVILLE	NJ (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/09/2012

REASON FOR REVISION:

ADDED DISTANCE TO FAC1 AND FAC2

UPDATED FIX USE.

DELETED REMARKS.

ADDED IAP TO CHARTING.

ADDED WP TO FIX TYPE.

DEVELOPED BY:

DATE: 09/02/2011

OFFICE: AJV-352

NAME: DONALD SMITH (RODNEY TEMPLETON)

APPROVED BY:

DATE:

OFFICE:

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZNY

ATC FACILITY: NYC APP CON

OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: BUPDE

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 403554.31N/0743400.06W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

8260.54A RNP FORMULA 2-16B APPLIED.

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 30

FAC PAT

AIRPORT IDENT
KSMQ

CITY
SOMERVILLE

STATE
NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

MOVED FIX SOUTHEAST 417.67FT.
DELETED FAC1.
UPDATED FIX USE.
DELETED REMARKS.
ADDED REMARK.

DEVELOPED BY:

DATE: 09/02/2011

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: NYC APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: CARAK

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 403417.55N/0742752.99W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 30

FAC PAT

AIRPORT IDENT
KSMQ

CITY
SOMERVILLE

STATE
NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

DELETED FAC1.
UPDATED FIX USE.
DELETED REMARKS.
MOVED FIX 2.17FT SOUTH AND UPDATED COORDINATES.

DEVELOPED BY:

DATE: 09/02/2011

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: NYC APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: HEKPO

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 403901.22N/0742544.01W

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	FAC FEET	MRA	MAA
1 CARAK					019.10	5.00				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SOMERSET - RNAV (GPS) RWY 30			KSMQ	SOMERVILLE	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/15/2003

DEVELOPED BY:

DATE: 10/02/2002

OFFICE: AVN-110

NAME: LARRY BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: OFFER

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 404012.33N/0745026.64W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	302.97	122.97	R	4	2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	404436.00N/0745218.00W	1273	4E

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	RNAV (GPS) RWY 30		1	KSMQ	SOMERVILLE	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

MOVED FIX SOUTHWEST 941.33'.
DELETED FAC1.
UPDATED HOLDING PATTERN OBS AC.
UPDATED REMARKS.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 09/02/2011

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: NYC APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: ZUVOR

STATE: NC

COUNTRY: US

LATITUDE/LONGITUDE: 402933.88N/0743001.65W

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 FEET	MRA	MAA
1	CARAK					199.10	5.00			17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SOMERSET - RNAV (GPS) RWY 30			KSMQ	SOMERVILLE	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/15/2003

DEVELOPED BY:

DATE: 10/02/2002

OFFICE: AVN-110

NAME: LARRY BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

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

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **SOMERVILLE**

STATE: **N**

AIRPORT NAME: **SOMERSET**

ID: **KSMQ**

PROCEDURE: **RNAV (GPS) RWY 30**

AMDT: **1**

DOCKET # :

(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 **4.57**
(Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.82**
(Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **289.04**
4. High Terrain in **FINAL** segment containing 1000' pc **640**
5. Distance from **FAF** to 1500' point **4.80**
(If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **2.83**
7. True Course of **INTERMEDIATE** segment containing 1500' point **289.11**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **636**
9. Threshold Coordinates (if straight-in) ... **403728.097N /0744004.73W**
10. ARP Coordinates **403733.57N / 0744412.88W**
11. Runway Approach End and distance furthest from ARP.....RWY **26**

Distance **0.25** NM
12. FAF Coordinates **403533.57N / 0744012.88W**
(Click to Select)

REMARKS: Approach/Drawing attached.

DISPLACED THLD=600 FEET.