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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOPTU	ZAMEK (FB)	324.13 / 6.04	2300
ZAMEK (IAF)	FEDED (FB)	317.36 / 7.00	2300
FEDED (IF)	CUSKA (FB)	227.27 / 6.83	1900
CUSKA (FAF)	WIVPA/1.60 NM TO RW23 (FB)	227.21 / 4.07	
WIVPA/1.60 NM TO RW23	RW23 (MAP) (FO)	227.18 / 1.60	
RW23 (MAP)	1600 MSL	227.18	1600
1600 MSL	FOSTY (FO)		2500

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 2500 DIRECT FOSTY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FEDED
3. FAC: 227.21 FAF: CUSKA DIST FAF TO MAP: 5.67 THLD: 5.67
4. MIN. ALT: FEDED 2300, CUSKA 1900, WIVPA/1.60 NM TO RW23 600*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: CUSKA 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.1 34:1 IS CLEAR
8. MSA FROM: RW23 2600

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 057.00 INBOUND.
CHART FAS OBST: 159 TREE 414417N/0712507W
CHART: 383 TANK 414811N/0712129W
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
CHART VDP AT 1.06 MILES TO RW23*
*LNAV ONLY.
WAAS CHANNEL # 93823
REFERENCE PATH ID: W23A
LTP HAE: -16.2 M

MAG VAR: 15W EPOCH YEAR: 1985

MINIMUMS

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

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
LPV DA	244	2400	200	244	2400	200	244	2400	200	244	2400	200			
LNAV/VNAV DA	340	2400	296	340	2400	296	340	2400	296	340	2400	296			
LNAV MDA	420	2400	376	420	2400	376	420	3500	376	420	3500	376			
CIRCLING	560	1	505	560	1	505	620	1 1/2	565	620	2	565			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CATS C AND D VISIBILITY TO RVR 5000.
(SEE FORM 8260-10)

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 55 THRE: 44 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 23
PROVIDENCE, RI	THEODORE FRANCIS GREEN STATE	RNAV	RNAV (GPS) Y RWY 23, AMDT 1A	AMDT: 1
				DATED 10/20/2011

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]	[X] **ZBW, PVD APP CON, PVD ATCT**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **RONALD SALPINO**	FIFO **AJV-352**	DATE: **04/23/2012**
APPROVED BY		
NAME: **DARRYEL ADAMS** **MANAGER**	FIFO **AJV-352**	DATE:

CHANGES:

1. CHANGED NAME FROM RNAV (GPS) RWY 23 TO RNAV (GPS) Y RWY 23 (FAS DATA CHANGED).
2. VDP CHANGED FROM 1.06 TO RWY 23 TO 1.04 NM TO RWY 23.
3. VGSI TCH RWY 23 CHANGED FROM 39 FEET TO 45.3 FEET.
4. FAS DATA THRESHOLD COORDINATES UPDATED FROM 414349.70N-0712515.54W TO 414349.696N-0712515.535W

REASONS:

1. ADDED THE RNAV (RNP) Z RWY 23.
2. VGSI TCH CHANGED FROM 39 TO 45.3.
3. AVNIS DATA.
4. CORDINATES ARE NOW CARRIED OUT TO THOUSANDS

QUALITY A CHECKED

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NOTES, (CONT.):
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT.
CHART NOTE: PROCEDURE NA FOR ARRIVALS AT HOPTU ON V139-151 EASTBOUND.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 55 THRE: 44	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 23
PROVIDENCE, RI	AIRPORT NAME: THEODORE FRANCIS GREEN STATE	RNAV	RNAV (GPS) Y RWY 23, AMDT 1A	AMDT: 1
				DATED: 10/20/2011

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:

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPVD
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	414349.6960N
LTP/FTP LONGITUDE	0712515.5350W
LTP/FTP ELLIPSOIDAL HEIGHT	-00162
FPAP LATITUDE	414234.2400N
FPAP LONGITUDE	0712618.8800W
THRESHOLD CROSSING HEIGHT (TCH)	00051.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0568
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D15366D7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00135
FPAP ORTHOMETRIC HEIGHT	+00135

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 55 THRE: 44	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 23
PROVIDENCE, RI	AIRPORT NAME: THEODORE FRANCIS GREEN STATE	RNAV	RNAV (GPS) Y RWY 23, AMDT 1A	AMDT: 1
				DATED: 10/20/2011

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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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUSKA K60    C     N41483757W071211346                      W0147     NAR           CUSKA
        SUSAEAENRT   FEDED K60    W     N41542450W071162074                      W0148     NAR           FEDED
        SUSAEAENRT   FOSTY K60    C   L N41503546W071383134                      W0146     NAR           FOSTY
        SUSAEAENRT   HOPTU K60    R   L N41465137W071020965                      W0148     NAR           HOPTU
        SUSAEAENRT   WIVPA K60    C     N41451099W071240725                      W0147     NAR           WIVPA
        SUSAEAENRT   ZAMEK K60    W     N41503989W071082560                      W0148     NAR           ZAMEK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPVDK6APVD     0     071YHN41432640W071254160W015000055         1800018000C    MNAR    THEODORE FRANCIS GREEN STATE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPVDK6FR23-Y AHOPTU 010HOPTUK6EA0E       IF                                          18000                A JS
        SUSAP KPVDK6FR23-Y AHOPTU 020ZAMEKK6EA0E  A 020TF                    32410060    + 02300                         A JS
        SUSAP KPVDK6FR23-Y AHOPTU 030FEDEDK6EA0EE B 010TF                    31740070    + 02300                         A JS
        SUSAP KPVDK6FR23-Y R      010FEDEDK6EA0E  I    IF                               + 02300     18000               A JS
        SUSAP KPVDK6FR23-Y R      020CUSKAK6EA1E  F 051TF                    22730068    + 01900                 RW23  K6PGA JS
        SUSAP KPVDK6FR23-Y R      020CUSKAK6EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KPVDK6FR23-Y R      021WIVPAK6EA0E S  031TF                    22720041    V 0060000605        -300          A JS
        SUSAP KPVDK6FR23-Y R      030RW23 K6PG0GY M 031TF                    22720016      00095             -300          A JS
        SUSAP KPVDK6FR23-Y R      040         0  M     CA                    2272        + 01600                         A JS
        SUSAP KPVDK6FR23-Y R      050FOSTYK6EA0EY  R   DF                               + 02500                         A JS
        SUSAP KPVDK6FR23-Y R      060FOSTYK6EA0EE  L   HM                    05700040    + 02500                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPVDK6GRW23    0071662272 N41434970W071251554+0100    -0016200044000051150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPVDK6PR23-Y RW23 001Y0000W23A0N4143496960W07125155350-001620300N4142342400W071261888001067505680005 11F400350D15366D7
        SUSAP KPVDK6PR23-Y RW23 002E      +00135+00135LPV       93823

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 55 THRE: 44	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 23
PROVIDENCE, RI	AIRPORT NAME: THEODORE FRANCIS GREEN STATE	RNAV	RNAV (GPS) Y RWY 23, AMDT 1A	AMDT: 1
				DATED: 10/20/2011

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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SUSAP KPVDK6SRW23 K6PG          0   18018002625                                    M
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 55 THRE: 44	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 23
PROVIDENCE, RI	AIRPORT NAME: THEODORE FRANCIS GREEN STATE	RNAV	RNAV (GPS) Y RWY 23, AMDT 1A	AMDT: 1
				DATED: 10/20/2011

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
	HOPTU	HOPTU	010		IF		FB					
	HOPTU	ZAMEK	020	IAF	TF		FB	2.0	324.1(309.1T)	006.0	AA 02300	
	HOPTU	FEDED	030		TF		FB	1.0	317.4(302.4T)	007.0	AA 02300	
		FEDED	010	FACF	IF		FB				AA 02300	
		CUSKA	020	FAF	TF		FB	0.5	227.3(212.3T)	006.8	AA 01900	
		WIVPA	021	SDF	TF		FB	0.3	227.2(212.2T)	004.1	AA 00600 GS 00605	
		RW23	030	MAP	TF		FO	0.3	227.2(212.2T)	001.6	AT 00095	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		227.2(212.2T)		AA 01600	
	FOSTY	050		DF	R	FO				AA 02500	
	FOSTY	060		HM	L	FO		057.0(042.0T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUSKA	N414837.57	W0712113.46	N4148.626	W07121.224
	FEDED	N415424.50	W0711620.74	N4154.408	W07116.346
	FOSTY	N415035.46	W0713831.34	N4150.591	W07138.522
	HOPTU	N414651.37	W0710209.65	N4146.856	W07102.161
	WIVPA	N414510.99	W0712407.25	N4145.183	W07124.121
	ZAMEK	N415039.89	W0710825.60	N4150.665	W07108.427
	RW23	N414349.70	W0712515.54	N4143.828	W07125.259

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	00044	51

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 55 THRE: 44	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 23
PROVIDENCE, RI	AIRPORT NAME: **THEODORE FRANCIS GREEN STATE**	**RNAV**	**RNAV (GPS) Y RWY 23, AMDT 1A**	AMDT: **1**
				DATED: **10/20/2011**

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	HOPTU	ZAMEK	1. TOWER (25-000610)	414952.78N/0710447.46W	494 (2C)	1000	AT806	2300
			2. TERRAIN	414612.00N/0710254.00W	260 (300)		AS1500	1800
INITIAL	ZAMEK	FEDED	3. TOWER (25-000190)	415236.00N/0711701.00W	1146 (4D)	1000	AT154	2300
			4. TERRAIN	415248.00N/0711303.00W	289 (300)		AS1500	1800
INTERMEDIATE	FEDED	CUSKA	5. TOWER (25-000325)	415213.00N/0711743.00W	1149 (4D)	500	AT251	1900
			6. TERRAIN	415133.00N/0711721.00W	286 (300)		AS1500	1800
FINAL: LPV	CUSKA	RW23				ASC		244/200
FINAL: LNAV/VNAV	CUSKA	RW23	7. TREE	414416.89N/0712507.13W	159 (2C)	PDA	AC20	340/296
FINAL: LNAV	CUSKA	WIVPA/1.60 NM TO RW23	8. AAO	414747.33N/0712157.75W	338 (2C)	250		600
FINAL: LNAV STEPDOWN	WIVPA/1.60 NM TO RW23	RW23	7. TREE	414416.89N/0712507.13W	159 (2C)	250		420
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW23	FOSTY				ASC		2500
			9. TOWER (44-000083)	415032.00N/0714011.00W	1070 (5D)	1000		2100
ELEV:	78/179/320		10. TERRAIN	415021.00N/0714024.00W	765 (800)		AS1500	2300

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	505	11. TOWER (44-000132)	414355.01N/0712651.32W	242 (1A)	300		560
CATEGORY B	1.5 NM	450	505	11. TOWER (44-000132)	414355.01N/0712651.32W	242 (1A)	300		560
CATEGORY C	1.7 NM	450	565	12. TOWER (44-000147)	414522.00N/0712640.00W	310 (2C)	300		620
CATEGORY D	2.3 NM	550	565	12. TOWER (44-000147)	414522.00N/0712640.00W	310 (2C)	300		620
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW23

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (25-000622)	333/ 26.3	1549 (5D)	2600					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PROVIDENCE, RI	ELEVATION: 55 AIRPORT NAME: THEODORE FRANCIS GREEN STATE	RNAV	RNAV (GPS) Y RWY 23, AMDT 1A	ANE

QUALITY CHECKED 4

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZBW ARTCC PVD APP CON PVD TOWER		N W S	OTHER: ASOS	SOURCE: KPVD
		F A A		DISTANCE:
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION: KPVD			ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 05 (PCL)
		(S) SALS
	X	MALSR 23 (PCL), 34 (PCL)
	X	HIRL 16 (PCL), 05 (PCL), 23 (PCL), 34 (PCL)
		MIRL
	X	REIL 16
	X	TDZ 05 (PCL)
	X	C/L 05 (PCL), 23 (PCL)
	X	OTHER (SPECIFY) VASI-2L 34 VASI-4L 16, 23
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 16, 05, 23, 34
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	05, 23, 34
	MIDFIELD	05
	ROLL OUT	05

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 44.3
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 51.1

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

10. WAIVERS: **NONE**

PART D - PREPARED BY: RONALD SALPINO	DATE: 04/23/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

TERPS PARAGRAPH 289 APPLIED TO 383 TANK 414811N/0712129W

BLOCK 3: ALTIMETER SETTING
SOURCE: KPVD
DISTANCE: ON AIRPORT
ASOS ON SERVICE A.
BACK-UP ALTIMETER SOURCE NOT REQUIRED DUE TO REDUNDANT LOCAL SOURCES.
VGSI DATA: 3.00/39 TCH

LPV SURFACE: 34:1

LNAV/VNAV SURFACE: 23.4:1

34:1 PENETRATION, 7.19 FT (KPVD0023) TREE 414403.00N/0712512.00W ZEROED OUT IN IAPA BUILD PER RHODE ISLAND AIRPORT CORPORATION LETTER DATED 18 MARCH 2004; VEGETATION REMOVED.

34:1 PENETRATION, 1.85 FT (KPVD0028) TREE 414409.35N/0712447.54W ZEROED OUT IN IAPA BUILD PER RHODE ISLAND AIRPORT CORPORATION LETTER DATED 18 MAR 2004; VEGETATION REMOVED.

OBSTACLE # 12, 2C AC APPLIED BASED ON 2004-ANE-472-OE, ORS VERIFIED 5/27/2011.

MISSED APPROACH DEVELOPED IN IPDS, 25 DEGREES BANK ANGLE USED.

TERPS, VOLUME 1 VISUAL PORTION OF FINAL PENETRATIONS:

20:1 (VAAR PENETRATION, FPT NOTIFIED)
RWY 34: 35 BUSH (KPVD0053)
414305.01N/0712503.73W (2.56)

TERPS PARAGRAPH 289 APPLIED TO 383 TANK 414811N/0712129W.

100' TREE HEIGHT PER EASTERN FPT.

QUALITY A CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CUSKA **STATE:** RI **COUNTRY:** US

LATITUDE/LONGITUDE: 414837.57N/0712113.46W **TYPE:** WP, RADAR, DME

INFO ONLY

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	PROVIDENCE	I-ARJ	LOC/DME			032.17	5.55	7.02	42644	1900	4500

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

REMARKS:
DME ANTENNA 414357.29N/0712513.38W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 23	1		KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) Y RWY 23			KPVD	PROVIDENCE	RI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
FIX MOVED 0.09 NM NORTHEAST.
UPDATED FIX LAT/LONG.
ADDED NM AND DISTANCE IN FEET FOR FAC 1 (I-ARJ).
DELETED FAC 2 (KPVE R23) INFORMATION.
UPDATED FIX USE INFORMATION.

DEVELOPED BY: **DATE:** 03/01/2011 **OFFICE:** AJV-352 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** 08/23/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: PVD ATCT
OTHER: PVD APP CON

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: FEDED **STATE:** MA **COUNTRY:** US

LATITUDE/LONGITUDE: 415424.50N/0711620.74W **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) Y RWY 23			KPVD	PROVIDENCE	RI (US)
IAP	RNAV (RNP) Z RWY 23			KPVD	PROVIDENCE	RI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
FIX MOVED 1.91 NM NORTHEAST.
UPDATED FIX LAT/LONG.
DELETED FAC 1 (KPVD R23) INFORMATION.
UPDATED FIX USE INFORMATION.

DEVELOPED BY: **DATE:** 03/01/2011 **OFFICE:** AJV-352 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** 08/23/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: PVD APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: FOSTY **STATE:** RI **COUNTRY:** US

LATITUDE/LONGITUDE: 415035.46N/0713831.34W **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	NORTH KINGSTOWN	I-OQU	LOC/DME		340.00	325.00	18.59	18.58		2500	4500
2	NORWICH	ORW	VOR/DME	L	056.92	042.92	23.53	23.53		2500	17500
3	PUTNAM	PUT	VOR/DME	H	140.57	126.57	11.28	11.28		3000	17500
4	PROVIDENCE	PVD	VORTAC	H	320.85	306.85	11.90	11.90		2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-OQU	LOC/DME	R-325	19	2200	4500

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	SW	ORW	VOR/DME	236.92	056.92	L	1-1 1/2		2500	17500	5	17
2	SW		WP	237.00	057.00	L		4	2500	17500	5	17
3	NW	PUT	VOR/DME	320.57	140.57	L	1		2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (44-000083)	415032.00N/0714011.00W	1070	5D
2	200	TOWER (44-000083)	415032.00N/0714011.00W	1070	5D
3	200	TOWER (44-000083)	415032.00N/0714011.00W	1070	5D

REASON FOR NONSTANDARD HOLDING:
PAT 2 AIRWAY SEPARATION
PAT 1 AIRWAY SEPARATION
PAT 3 AIRWAY SEPARATION

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
NORWICH (FAC 2) AND PUTNAM (FAC 3) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
I-OQU DME: 413520.15N-0712419.93W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V146	3, 4				(US)
EN ROUTE	V151	3, 4				(US)
EN ROUTE	V16	2, 3	1			(US)
EN ROUTE	V3	2, 3	1			(US)
IAP	ILS OR LOC RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	RNAV (GPS) RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	RNAV (GPS) RWY 34		2	KOQU	NORTH KINGSTOWN	RI (US)
IAP	LOC RWY 5	2, 3	1	KSFZ	PAWTUCKET	RI (US)
IAP	LOC RWY 5 (ALT MISSED)	3	3	KSFZ	PAWTUCKET	RI (US)
IAP	RNAV (GPS) RWY 5		2	KSFZ	PAWTUCKET	RI (US)
IAP	VOR-A	2, 3	1	KSFZ	PAWTUCKET	RI (US)
IAP	VOR-B	2, 3	1	KSFZ	PAWTUCKET	RI (US)
IAP	ILS OR LOC RWY 23	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 5	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC/DME RWY 34	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT II)	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT III)	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 16			KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 34		2	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 5		2	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) Y RWY 23		2	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (RNP) Z RWY 23		2	KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 34	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 5	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 16	2, 3, 4	1	KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 23	2, 3, 4	1	KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 34	2, 3, 4	1	KPVD	PROVIDENCE	RI (US)
STAR	OOSHN (RNAV)			KBOS	BOSTON	MA (US)
STAR	WOONS	2, 3, 4		KBOS	BOSTON	MA (US)
STAR	SCOGS (RNAV)			KPWM	PORTLAND	ME (US)

QUALITY CHECKED 4

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
ADDED NM DISTANCES FOR FAC'S 1/2/3/4.
CHANGED PATTERN 2 DME LEG LENGTH FROM 5 TO 4.
DELETED FAC 5 (EJUDO) INFORMATION.
UPDATED FIX USE INFORMATION.
ADDED "PRECIPITOUS TERRAIN EVALUATION COMPLETED" TO REMARKS.

DEVELOPED BY:	**DATE:** 03/01/2011	**OFFICE:** AJV-352	**NAME:** GEORGETTE BARNETT
APPROVED BY:	**DATE:** 08/23/2011	**OFFICE:** AJV-352	**NAME:** DONALD SMITH
	SIGNATURE:		

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

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: HOPTU **STATE:** MA **COUNTRY:** US

LATITUDE/LONGITUDE: 414651.37N/0710209.65W **TYPE:** 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	PROVIDENCE	PVD	VORTAC	H	093.00	079.00	18.00	18.00		3000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V151	1				(US)
IAP	RNAV (GPS) RWY 6			KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) Y RWY 23			KPVD	PROVIDENCE	RI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
REMOVED WP FROM FIX TYPE.
ADDED NM DISTANCE FOR PVD VORTAC (FAC 1).
DELETED FAC 2 (FEDED) INFORMATION.
UPDATED FIX USE INFORMATION.

DEVELOPED BY: **DATE:** 03/01/2011 **OFFICE:** AJV-352 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** 08/23/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: PVD APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: WIVPA **STATE:** RI **COUNTRY:** US

LATITUDE/LONGITUDE: 414510.99N/0712407.25W **TYPE:** WP, DME

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

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	PROVIDENCE	I-ARJ	LOC/DME		227.17	212.17	1.48	2.95		500	4500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 23	1		KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) Y RWY 23			KPVD	PROVIDENCE	RI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/11/2011 **OFFICE:** AJV-352 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** 08/23/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: ZAMEK **STATE:** MA **COUNTRY:** US

LATITUDE/LONGITUDE: 415039.89N/0710825.60W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 23			KPVD	PROVIDENCE	RI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/01/2011 **OFFICE:** AJV-352 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** 08/23/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: PVD APP CON
OTHER:

QUALITY CHECKED