US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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
ROA VORTAC	VIT NDB/RADAR	136.68 / 12.31	5300
MONAT INT (IAF)	WOTUP INT (NOPT)	257.67 / 9.06 (LYH R-258)	3800
WOTUP INT (IF)	VINTON NDB/RADAR	335.93 / 6.61 (I-ROA)	3800

MISSED APPROACH

ILS: DA
LOC: 7.06 MILES AFTER VIT NDB OR AT (XOPYU)

CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 5000 ON HEADING 125 AND ODR VOR R-162 TO JEXOV INT/ROA 22.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 161.81 INBOUND.
CHART FAS OBST: 1292 BLDG 371622N/0795625W
CHART 1980 TOWER 371501N/0795558W.
CHART PSK R-099 AT JEXOV
CHART (XOPYU) AT MAP

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE VINTON NDB, RT, 335.93 INBOUND, 3800 FT. IN LIEU OF PT (IAF)
3. FAC: 335.93 FAF: VINTON NDB/RADAR DIST FAF TO MAP: 7.06 THLD: 7.92
4. MIN. ALT: VINTON NDB 3800, RO OM 2560*
5. DIST TO THLD FROM OM: 4.12 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 941
6. MIN GS INCPT: 3800 GS ALT AT: VINTON NDB 3780 OM: 2527 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.9
8. MSA FROM: ROA VORTAC 5700

MAG VAR: 8W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: # LOC: @

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
S-ILS 34	1793	1 3/4	650	1793	1 3/4	650	1793	1 3/4	650	1896	2 1/4	753			
S-LOC 34	1980	5/8	837	1980	3/4	837	1980	1 7/8	837	1980	1 7/8	837			
CIRCLING	1980	1	805	1980	1 1/4	805	1980	2 1/2	805	1980	2 1/2	805			

NOTES:
CHART NOTE: CIRCLING NA NW OF RWY 6-24.
CHART NOTE: ADF OR RADAR REQUIRED.
CHART NOTE: CIRCLING TO RWY 16 NA.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 34 ALL CATS VISIBILITY 1/2 MILE AND S-LOC 34 CAT (SEE FORM 8260-10)

CAT A, B 900-2, CAT C, D 900-2 1/2
@ CAT A, B 900-2, CAT C, D 900-2 1/2

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1175 THRE: 1143 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ROANOKE, VA	ROANOKE RGNL/WOODRUM FIELD	I-ROA	ILS OR LOC RWY 34, AMDT 14	AMDT: 13
				DATED 08/25/2011

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] **ZDC ARTCC, ROA APP CON, ROA ATCT, ARPT MGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
DONALD E. SMITH (CHRISTOPHER MCCARTHY)	**AJV-352**	**03/27/2012**

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

CHANGES:

1. ADDED CHART PSK R-099 AT JEXOV NOTE TO ADDITIONAL FLIGHT DATA.

REASONS:

1. REQUIRED FOR PROPER CHARTING.

PDF EDIT: TERMINAL ROUTE ROA VORTAC TO VIT NDB, ADDED "/RADAR" AFTER VIT NDB. TERMINAL ROUTE WOTUP INT (IF) TO VINTON NDB/INT/RADAR, DELETED "/INT" AFTER VINTON NDB. LINE 3 FAF: VINTON NDB/INT/RADAR" DELETED "/INT". LINE 6 ADDED "VINTON NDB 3780" TO "GS ALT AT:". MISSED APPROACH: ADDED "OR AT (XOPYU)" TO "LOC: 7.06 MILES AFTER VIT NDB". 8280-9 INTERMEDIATE SEGMENT WOTUP INT TO "VINTON NDB/INT/RADAR", DELETED "/INT" AFTER VINTON NDB.

QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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.

NOTES, (CONT.):
A 3/8 MILE, CATS C/D 5/8 MILE.
***LOC ONLY**

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
ROANOKE, VA	**ELEVATION: 1175** **THRE: 1143** AIRPORT NAME: **ROANOKE RGNL/WOODRUM FIELD**	**I-ROA**	**ILS OR LOC RWY 34, AMDT 14**	SUP: AMDT: **13** DATED: **08/25/2011**

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

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        LYH   K6010920VTLA N37151648W079141097    N37151648W079141097W0050008711     NARLYNCHBURG
        SUSAD        ODR   K6011490V TW N37192712W079584435                  W0080     0          NARWOODRUM
        SUSAD        ROA   K6010940VTL  N37203647W080041343    N37203647W080041343W0040030721     NARROANOKE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JEXOV K60    C   L N37023505W079482370                  W0086     NAR          JEXOV
        SUSAEAENRT   MONAT K60    C   L N37092061W079374721                  W0087     NAR          MONAT
        SUSAEAENRT   WOTUP K60    R     N37063585W079483545                  W0086     NAR          WOTUP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6AROA     0     068YHN37193170W079583150W008001175        1800018000C    MNAR    ROANOKE RGNL/WOODRUM FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6CFFR34 K60    N     N37121247W079525819                  W0085     NAR          VINTON NDB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6FI34   AMONAT 010MONATK6EA0E  A    FC LYH K6      2577019825770071D   + 03800     18000                0 NS
        SUSAP KROAK6FI34   AMONAT 020WOTUPK6EA0EE B    CF IROAK6      1559015625770020PI  + 03800                          0 NS
        SUSAP KROAK6FI34   AROA   010ROA  K6D 0V      IF                                          18000                0 NS
        SUSAP KROAK6FI34   AROA   020VIT  K6PN0NY     TF                                  + 05300                          0 NS
        SUSAP KROAK6FI34   AROA   030VIT  K6PN0NE AR  HF IROAK6      155500903359T010PI  + 03800                          0 NS
        SUSAP KROAK6FI34   I      010WOTUPK6EA0E  I    IF IROAK6      15590156         PI  J 038000380018000                0 NS
        SUSAP KROAK6FI34   I      020FFR34K6PC0E  F    CF IROAK6      1559009033600066PI  H 0380003780        -300ROA   K6D 0 NS
        SUSAP KROAK6FI34   I      030RW34 K6PG0GY M    CF IROAK6      1559001133600079PI    01199             -300           0 NS
        SUSAP KROAK6FI34   I      040          0  M    CA                      3359       + 02100                          0 NS
        SUSAP KROAK6FI34   I      050          0    L  VIY                     1250                                        0 NS
        SUSAP KROAK6FI34   I      060JEXOVK6EA0EY      CF ODR K6      1618018816180180D   + 05000                          0 NS
        SUSAP KROAK6FI34   I      070JEXOVK6EA0EE  R   HM                      1618T010    + 05000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6GRW34    0058103359 N37185557W079581386+0400    +0316001143000056150IIROA1
```

CITY AND STATE	ELEVATION: 1175 THRE: 1143	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ROANOKE, VA	AIRPORT NAME: **ROANOKE RGNL/WOODRUM FIELD**	**I-ROA**	**ILS OR LOC RWY 34, AMDT 14**	AMDT: **13**
				DATED: **08/25/2011**

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

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
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6IIROA1    010970RW34 N37194952W0795856193359N37190131W0795824350630 09410600300W00805601144

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6SROA  K6D               0   18018005725                                                                   M

                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAPNKROAK6 VIT   K6002770H MW N37121462W079525389                    W0080          NARVINTON
```

CITY AND STATE	ELEVATION: **1175** **THRE: 1143**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ROANOKE, VA	AIRPORT NAME: **ROANOKE RGNL/WOODRUM FIELD**	**I-ROA**	**ILS OR LOC RWY 34, AMDT 14**	AMDT: **13**
				DATED: **08/25/2011**

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

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MONAT	MONAT	010	IAF	FC		FB		257.7()	007.1	AA 03800	
	MONAT	WOTUP	020		CF		FB		257.7()	002.0	AA 03800	
	ROA	ROA	010		IF		FB					
	ROA	VIT	020		TF		FO				AA 05300	
	ROA	VIT	030	IAF	HF	R	FO		335.9()	T01.0	AA 03800	
		WOTUP	010	FACF	IF		FB				AA 03800 GI 03800	
		FFR34	020	FAF	CF		FB		336.0()	006.6	GI 03800 GS 03780	
		RW34	030	MAP	CF		FO		336.0()	007.9	AT 01199	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		335.9()		AA 02100	
		050		VI	L	FB		125.0()			
	JEXOV	060		CF		FO		161.8()	018.0	AA 05000	
	JEXOV	070		HM	R	FO		161.8()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LYH	N371516.48	W0791410.97	N3715.275	W07914.183
	ODR	N371927.12	W0795844.35	N3719.452	W07958.739
	ROA	N372036.47	W0800413.43	N3720.608	W08004.224
	JEXOV	N370235.05	W0794823.70	N3702.584	W07948.395
	MONAT	N370920.61	W0793747.21	N3709.344	W07937.787
	WOTUP	N370635.85	W0794835.45	N3706.598	W07948.591
	FFR34	N371212.47	W0795258.19	N3712.208	W07952.970
	RW34	N371855.57	W0795813.86	N3718.926	W07958.231
	IROA (LOC)	N371949.52	W0795856.19	N3719.825	W07958.937
	VIT	N371214.62	W0795253.89	N3712.244	W07952.898

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	01143	56

CITY AND STATE	ELEVATION: **1175** **THRE: 1143**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ROANOKE, VA	AIRPORT NAME: **ROANOKE RGNL/WOODRUM FIELD**	**I-ROA**	**ILS OR LOC RWY 34, AMDT 14**	AMDT: **13**
				DATED: **08/25/2011**

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

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC PACKET - 424-18 - LOC

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        LYH   K6010920VTLA N37151648W079141097    N37151648W079141097W0050008711     NARLYNCHBURG
        SUSAD        ODR   K6011490V TW N37192712W079584435                  W0080     0          NARWOODRUM
        SUSAD        ROA   K6010940VTL  N37203647W080041343    N37203647W080041343W0040030721     NARROANOKE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JEXOV K60    C   L N37023505W079482370                  W0086     NAR          JEXOV
        SUSAEAENRT   KNOLL K60    W     N37152581W079552946                  W0085     NAR          KNOLL OM
        SUSAEAENRT   MONAT K60    C   L N37092061W079374721                  W0087     NAR          MONAT
        SUSAEAENRT   WOTUP K60    R     N37063585W079483545                  W0086     NAR          WOTUP
        SUSAEAENRT   XOPYU K60    W     N37181198W079573967                  W0085     NAR          CNF(XOPYU)

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6AROA     0     068YHN37193170W079583150W008001175        1800018000C    MNAR    ROANOKE RGNL/WOODRUM FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6CFFR34 K60    N     N37121247W079525819                  W0085     NAR          VINTON NDB

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6FL34   AMONAT 010MONATK6EA0E  A    FC LYH K6      2577019825770071D   + 03800     18000                0 NS
        SUSAP KROAK6FL34   AMONAT 020WOTUPK6EA0EE B    CF IROAK6      1559015625770020PI  + 03800                          0 NS
        SUSAP KROAK6FL34   AROA   010ROA  K6D 0V      IF                                             18000                0 NS
        SUSAP KROAK6FL34   AROA   020VIT  K6PN0NY     TF                                  + 05300                         0 NS
        SUSAP KROAK6FL34   AROA   030VIT  K6PN0NE AR  HF IROAK6      155500903359T010PI  + 03800                          0 NS
        SUSAP KROAK6FL34   L      010WOTUPK6EA0E  I    IF IROAK6      15590156         PI  + 03800     18000                0 NS
        SUSAP KROAK6FL34   L      020FFR34K6PC0E  F    CF IROAK6      1559009033600066PI  + 03800                ROA   K6D 0 NS
        SUSAP KROAK6FL34   L      021KNOLLK6EA0E S     CF IROAK6      1559005233600038PI  + 02560          -312               0 NS
        SUSAP KROAK6FL34   L      030XOPYUK6EA0EY M    CF IROAK6      1559001933600033PI    01484      -312               0 NS
        SUSAP KROAK6FL34   L      040          0  M    CA                    3359         + 02100                         0 NS
        SUSAP KROAK6FL34   L      050          0    L  VIY                   1250                                         0 NS
        SUSAP KROAK6FL34   L      060JEXOVK6EA0EY      CF ODR K6      1618018816180180D   + 05000                          0 NS
        SUSAP KROAK6FL34   L      070JEXOVK6EA0EE  R   HM                    1618T010    + 05000                          0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
```

CITY AND STATE	ELEVATION: 1175 THRE: 1143	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ROANOKE, VA	AIRPORT NAME: **ROANOKE RGNL/WOODRUM FIELD**	**I-ROA**	**ILS OR LOC RWY 34, AMDT 14**	AMDT: **13**
				DATED: **08/25/2011**

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

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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```
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6GRW34    0058103359 N37185557W079581386+0400    +0316001143000056150IIROA1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6IIROA1   010970RW34 N37194952W0795856193359N37190131W0795824350630 09410600300W00805601144

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KROAK6SROA  K6D               0   18018005725                                                                  M

                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAPNKROAK6 VIT   K6002770H MW N37121462W079525389                    W0080          NARVINTON
```

CITY AND STATE	ELEVATION: 1175 THRE: 1143	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ROANOKE, VA	AIRPORT NAME: **ROANOKE RGNL/WOODRUM FIELD**	**I-ROA**	**ILS OR LOC RWY 34, AMDT 14**	AMDT: **13**
				DATED: **08/25/2011**

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

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MONAT	MONAT	010	IAF	FC		FB		257.7()	007.1	AA 03800	
	MONAT	WOTUP	020		CF		FB		257.7()	002.0	AA 03800	
	ROA	ROA	010		IF		FB					
	ROA	VIT	020		TF		FO				AA 05300	
	ROA	VIT	030	IAF	HF	R	FO		335.9()	T01.0	AA 03800	
		WOTUP	010	FACF	IF		FB				AA 03800	
		FFR34	020	FAF	CF		FB		336.0()	006.6	AA 03800	
		KNOLL	021	SDF	CF		FB		336.0()	003.8	AA 02560	
		XOPYU	030	MAP	CF		FO		336.0()	003.3	AT 01484	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		335.9()		AA 02100	
		050		VI	L	FB		125.0()			
	JEXOV	060		CF		FO		161.8()	018.0	AA 05000	
	JEXOV	070		HM	R	FO		161.8()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LYH	N371516.48	W0791410.97	N3715.275	W07914.183
	ODR	N371927.12	W0795844.35	N3719.452	W07958.739
	ROA	N372036.47	W0800413.43	N3720.608	W08004.224
	JEXOV	N370235.05	W0794823.70	N3702.584	W07948.395
	KNOLL	N371525.81	W0795529.46	N3715.430	W07955.491
	MONAT	N370920.61	W0793747.21	N3709.344	W07937.787
	WOTUP	N370635.85	W0794835.45	N3706.598	W07948.591
	XOPYU	N371811.98	W0795739.67	N3718.200	W07957.661
	FFR34	N371212.47	W0795258.19	N3712.208	W07952.970
	RW34	N371855.57	W0795813.86	N3718.926	W07958.231
	IROA (LOC)	N371949.52	W0795856.19	N3719.825	W07958.937
	VIT	N371214.62	W0795253.89	N3712.244	W07952.898

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	01143	56

CITY AND STATE	ELEVATION: 1175 THRE: 1143	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ROANOKE, VA	AIRPORT NAME: **ROANOKE RGNL/WOODRUM FIELD**	**I-ROA**	**ILS OR LOC RWY 34, AMDT 14**	AMDT: **13**
				DATED: **08/25/2011**

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

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	ROA VORTAC	VIT NDB	1. AAO	372037.03N/0800409.44W	3299 (2C)	2000		5300
			2. TERRAIN	372037.03N/0800409.44W	3099 (3100)		AS1500	4600
INITIAL	MONAT INT	WOTUP INT	3. AAO	370403.00N/0795224.00W	1434 (4E)	1000	AT1366	3800
			4. TERRAIN	370403.00N/0795224.00W	1234 (1200)		AS1500	2700
INTERMEDIATE	WOTUP INT	VINTON NDB/RADAR	5. AAO	371138.25N/0795118.48W	2439 (2C)	500	AT861	3800
			6. TERRAIN	371138.25N/0795118.48W	2239 (2200)		AS1500	3700
FINAL: ILS	GS INTCP	RW34				ASC	MA450	1793/650
						ASC	MA450	1793/650
						ASC	MA450	1793/650
						ASC	MA553	1896/753
FINAL: LOC	VIT NDB	RO OM	7. TOWER (51-000383)	371501.00N/0795558.00W	1980 (2A)	250	AT270 XL53	2560
FINAL: LOC STEPDOWN	RO OM	7.06 MILES AFTER VIT NDB	8. BLDG (KROAT1555)	371621.90N/0795624.64W	1292 (1A)	250	MA410	1980
2. HOLD-IN-LIEU-OF-PT	VINTON NDB	P-4	5. AAO	371138.25N/0795118.48W	2439 (2C)	1000	AT361	3800
			6. TERRAIN	371138.25N/0795118.48W	2239 (2200)		AS1500	3700
3. MISSED APPROACH MAP:	DA / 7.06 MILES AFTER VIT NDB	JEXOV INT/ROA 22.00 DME	9. AAO	372330.03N/0800211.99W	3397 (2C)	ASC		5000
			10. AAO	370826.00N/0795702.80W	2486 (2C)	1000		3500
ELEV:	1428/1730		11. TERRAIN	370826.00N/0795702.80W	2286 (2300)		AS1500	3800

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	805	13. CTL TR (51-002430)	371935.16N/0795817.93W	1365 (1A)	300	SI	1980
CATEGORY B	1.5 NM	450	805	13. CTL TR (51-002430)	371935.16N/0795817.93W	1365 (1A)	300	SI	1980
CATEGORY C	1.7 NM	450	805	13. CTL TR (51-002430)	371935.16N/0795817.93W	1365 (1A)	300	SI	1980
CATEGORY D	2.3 NM	550	805	14. TOWER (51-001197)	371701.00N/0795913.00W	1412 (4D)	300	SI	1980
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: ROA VORTAC

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	277/ 21.7	4620 (2C)	5700					

CHECKED

CITY AND STATE	ELEVATION: 1175 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ROANOKE, VA	ROANOKE RGNL/WOODRUM FIELD	I-ROA	ILS OR LOC RWY 34, AMDT 14	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ROA APP CON ZDC ARTCC ROA TOWER	NWS	OTHER: ASOS	SOURCE: KROA
	FAA		DISTANCE:
SATISFACTORY ON:	A/C		HOURS REMOTE OPERATION:
X VHF X UHF HF	LOCATION: KROA		ADJUSTMENT: 0

4. MONITOR STATUS		
PRIMARY NAVAID: I-ROA		
MONITOR POINT: ATCT		
HRS OPTN:	CAT 1	24
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 34 (PCL), 06 (PCL)
X	HIRL 16 (PCL), 24 (PCL), 34 (PCL), 06 (PCL)
	MIRL
X	REIL 24, 06
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-4L 34 VASI-4L 06

6. RUNWAY MARKINGS	
BASIC	BSC-G 24
ALL WEATHER	PIR-G 16, 34
INSTRUMENT	NPI-G 06

7. RUNWAY VISUAL RANGE	
APPROACH	
MIDFIELD	
ROLL OUT	

8. GLIDE PATH		
GP ANGLE: 3.00	ELEV RWY THRESHOLD: 1142.9	
DISTANCE FROM RWY: 941	ELEV GP ANTENNA: 1149.5	
	THRESHOLD CROSSING HEIGHT: 55.9	

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

10. WAIVERS: NONE

PART D - PREPARED BY:	DATE:
DONALD E. SMITH (CHRISTOPHER MCCARTHY)	03/27/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

FEEDER SEGMENT ROA VORTAC TO VINTON NDB TERRAIN IDENTIFIED AS PRECIPITOUS; ROC REDUCTIONS NOT AUTHORIZED/2000 FT ROC REQUIRED.

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KROA ASOS IS ON SERVICE A.

VGSI DATA: 3.00/56.4

SEE ATTACHED AIRSPACE LETTER.

TERPS PARAGRAPH 289 APPLIED TO 1980 TOWER 371501N/0795558W

100FT VEGETATION HEIGHT USED PER PREVIOUS PROCEDURES AND FPO.

HOLDING OBSTACLE IS 8470.78 FT INTO SECONDARY.

REQUEST FLIGHT CHECK 4D AC ON OBS #14 (51-001197) 1412 MSL TOWER 371701.00N/0795913.00W.

NO BACKUP ALTIMETER SOURCE DUE TO REDUNDANCY AT FACILITY.

ILS AND LOC INTERMEDIATES HAVE SAME CONTROLLING OBSTACLES AND AIRSPACE.

MISSED APPROACH OBSTACLES CONT.
12. S-ILS 33 CAT A/B/C MISSED APPROACH PENETRATION: 2339 AAO 371953.82N-0800340.92W AC 2C.

ROA ATCT UNDERSTANDS NO FEASIBLE ALTERNATE MISSED APPROACH FOR THE ILS OR LOC RWY 34 IS AVAILABLE AND IS NOT INCLUDED.

QUALITY 6 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JEXOV **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 370235.05N/0794823.70W **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	ROANOKE	ROA	VORTAC	L	148.83	144.83	22.00	22.00		5000	17500
2	PULASKI	PSK	VORTAC	H	099.24	093.24		43.60		5000	17500
3	WOODRUM	ODR	VOR	T	161.81	153.81		18.77		5000	13100

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PSK	VORTAC	R-099	44	5000	16700

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

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	ODR	VOR	161.81	161.81	R	1		5000	6000	7	7
2	N		WP	339.81	159.81	R		5	5000	6000	6	6
3	SE	ROA	VORTAC	148.83	328.83	R	1		5000	6000	7	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	370709.50N/0800054.60W	3771	6A
2	200	AAO	370709.50N/0800054.60W	3771	6A
3	200	AAO	370148.00N/0795320.40W	2134	6A
3	310	AA0	371134.70N/0795133.20W	2430	6A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:
PATTERN 2 REQUESTED BY ATC FOR FLOW INTO KBCB.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
DO NOT CHART FAC 2 ON ENROUTE LOW OR CONTROLLER

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V258	1				(US)
IAP	RNAV (GPS) RWY 30			KBCB	BLACKSBURG	VA (US)
IAP	ILS OR LOC RWY 34	2, 3	1	KROA	ROANOKE	VA (US)
IAP	LDA RWY 6	1, 2	3	KROA	ROANOKE	VA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED FIX TYPE WP.
UPDATED ESV.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/25/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRIS MCCARTHY)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ROA APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: KNOLL OM **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 371525.81N/0795529.46W **TYPE:** WP

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	KNOLL	RO	OM								

REMARKS:
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE KNOLL OM.
ACTUAL FACILITY LOCATION IS 371525.16N/0795530.76W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34			KROA	ROANOKE	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/24/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRIS MCCARTHY)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ROA APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MONAT **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 370920.61N/0793747.21W **TYPE:** WP, INT, DME

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	DIST FROM FAC FEET	MRA	MAA
1	LYNCHBURG	LYH	VORTAC	L	257.67	252.67	19.77	19.77		4000	17500
2	WOODRUM	ODR	VOR	T	129.00	121.00		19.54		4000	13100

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	W	LYH	VORTAC	257.67	077.67	R	1		4000	12000	5	10
2	W		WP	258.00	078.00	R		4	4000	12000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	370936.00N/0794745.00W	1418	4E
2	200	AAO	370936.00N/0794745.00W	1418	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MONAT (RNAV)			KROA	ROANOKE	VA (US)
EN ROUTE	V470	1, 2				VA (US)
IAP	ILS OR LOC RWY 34			KROA	ROANOKE	VA (US)
IAP	RNAV (GPS) RWY 24		2	KROA	ROANOKE	VA (US)
IAP	VOR/DME-A	1, 2	1	KROA	ROANOKE	VA (US)
IAP	VOR/NDB RWY 34	1, 2	1	KROA	ROANOKE	VA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FAC 1 MAG/TRUE BRG FROM 257.68/252.68 TO 257.67/252.67.
UPDATED PAT 1 INBOUND CRS FROM 077.68 TO 077.67.

DEVELOPED BY: **DATE:** 04/25/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRIS MCCARTHY)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY: ROA APP CON
OTHER:

QUALITY 6 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VINTON NDB **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 371212.47N/0795258.19W **TYPE:** RADAR

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	VINTON	VIT	NDB	MH							5600
2	ROANOKE	I-ROA	LOC		155.93	147.93		8.98	54539	3800	5600

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

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	VIT	NDB	155.93	335.93	R	1		3800	6000	4	5
2	SE	VIT	NDB	155.04	335.04	R	1		3800	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	371138.25N/0795118.48W	2439	2C
2	200	AAO	371138.25N/0795118.48W	2439	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE VINTON NDB.
ACTUAL FACILITY LOCATION IS 371214.62N/0795253.89W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34	1, 2	1	KROA	ROANOKE	VA (US)
IAP	VOR/NDB RWY 34	1	2	KROA	ROANOKE	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
AMENDED FIX TYPE, DELETED WP.
AMENDED FAC 1 MAA FROM 6000 TO 5600
ADDED FAC 2.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/14/2012 **OFFICE:** AJV-352 **NAME:** JAMES DUBOIS

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ROA APP CON, ROA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WOTUP **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 370635.85N/0794835.45W **TYPE:** 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	ROANOKE	I-ROA	LOC		155.93	147.93		15.58		3800	5600
2	LYNCHBURG	LYH	VORTAC	L	257.67	252.67	28.83	28.83		3800	5600
3	WOODRUM	ODR	VOR	T	155.68	147.68		15.18		3800	5600

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34	1, 2, 3		KROA	ROANOKE	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED FIX TYPE DME.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/29/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRIS MCCARTHY)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ROA APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: ROANOKE VORTAC **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 372036.47N/0800413.43W **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	ROANOKE	ROA	VORTAC	L							45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ROA	VORTAC	R-180	15	24000	45000

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

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	S	ROA	VORTAC	180.00	360.00	L		15	24000	45000	18	29

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
NAVAID IS CHARTED ON HIGH ENROUTE FOR REFERENCE ONLY.
HOLD PAT 1 USED FOR HIGH ALTITUDE FLOW CONTROL/ATC REQUEST.
HOLDING 15 NM LEGS PER ATC REQUEST. MIN HOLDING TEMPLATE AMENDED FROM 16 TO 18 TO ENSURE CONTAINMENT OF 15 NM LEGS.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	QUAKER			KGSO	GREENSBORO	NC (US)
DP	HIKORY			KHKY	HICKORY	NC (US)
DP	PACKK			KRDU	RALEIGH/DURHAM	NC (US)
DP	WLFFF (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
DP	QUAKER			KINT	WINSTON-SALEM	NC (US)
DP	WINSTON			KINT	WINSTON-SALEM	NC (US)
DP	BEMAR (RNAV)			KBCB	BLACKSBURG	VA (US)
DP	SETHY (RNAV)			KBCB	BLACKSBURG	VA (US)
EN ROUTE	V103					(US)
EN ROUTE	V16					(US)
EN ROUTE	V258					(US)
EN ROUTE	V260					(US)
EN ROUTE	V375					(US)
EN ROUTE	V473					(US)
IAP	LOC/DME RWY 12			KBCB	BLACKSBURG	VA (US)
IAP	NDB-A			KBCB	BLACKSBURG	VA (US)
IAP	RNAV (GPS) RWY 24			KPSK	DUBLIN	VA (US)
IAP	ILS OR LOC RWY 25			KHSP	HOT SPRINGS	VA (US)
IAP	ILS OR LOC RWY 34			KROA	ROANOKE	VA (US)
IAP	LDA RWY 6			KROA	ROANOKE	VA (US)
IAP	VOR/NDB RWY 34			KROA	ROANOKE	VA (US)
IAP	ILS OR LOC RWY 4			KLWB	LEWISBURG	WV (US)
IAP	VOR RWY 22			KLWB	LEWISBURG	WV (US)
IAP	VOR RWY 4			KLWB	LEWISBURG	WV (US)
STAR	MAJIC			KCLT	CHARLOTTE	NC (US)
STAR	SUDSY			KCLT	CHARLOTTE	NC (US)
STAR	NASCR			KJQF	CONCORD	NC (US)
STAR	HENBY			KGSO	GREENSBORO	NC (US)
STAR	FRAZI (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
STAR	SOUTH BOSTON			KRDU	RALEIGH/DURHAM	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
1. UPDATED LAT/LONG AVNIS DATA.
2. UPDATED FIX USE.

QUALITY CHECKED

DEVELOPED BY:	**DATE:** 11/19/2010	**OFFICE:** AJV-352	**NAME:** DONALD SMITH (ROBERT DAVIS)
APPROVED BY:	**DATE:** 09/07/2011	**OFFICE:** AJV-352	**NAME:** DONALD SMITH
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ROA APP CON, ROA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: XOPYU **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 371811.98N/0795739.67W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34			KROA	ROANOKE	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 08/25/2011

DEVELOPED BY: **DATE:** 04/07/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (ROBERT DAVIS)

APPROVED BY: **DATE:** 09/07/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ROA ATCT, ROA APP CON
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **ROANOKE** STATE: **VA**

AIRPORT NAME: **ROANOKE RGNL/WOODRUM FIELD** ID: **KROA**

PROCEDURE: **ILS OR LOC RWY 34** AMDT: **14**

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 **5.03**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.30**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **327.93**
4. High Terrain in **FINAL** segment containing 1000' point **1759**
5. Distance from **THLD** to 1500' point **6.92**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.71**
7. True Course of **FINAL** segment containing 1500' point **327.93**
8. High Terrain in **FINAL** segment containing 1500' point **1759**
9. Threshold Coordinates (if straight-in) ... **371855.57N** / **0795813.86W**
10. ARP Coordinates ..... **371931.70N** / **0795831.50W**
11. Runway Approach End and distance furthest from ARP.....RWY **24**
    Distance **0.69** NM
12. FAF Coordinates ..... **371214.62N** / **0795253.89W**
    (Click to Select)

REMARKS: