Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 07/07/2011	Task #: 2011070726620801002	Request #: 20110707266208
Procedure: RNAV (RNP) Z RWY 2 L AMDT 1		Airport ID: KBNA	Airport: NASHVILLE INTL		Reimbursable #:
City: NASHVILLE	ST: TN	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID:	Fac. Type: Proc-P	Specialist: CHRISTOPHER COX			

P2

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/07/2012	08/13/2012	MARLON ROBINSON	
QA:	08/13/2012	08/17/2012	STEVEN SZUKALA	
Liaison:	08/17/2012		K. Spurlin	P2 - WAIVER

Procedure Comments: ENROUTE **Remark Type:** INFORMATION PKG 1 of 6

NASHVILLE, TN NASHVILLE INTL (KBNA) RNAV (RNP) Z RWY 2L, AMDT 1 ENROUTE-YES FC BY 9/18/12 PUB 11/15/12

ATTACHED FORMS: 8260-3, 8260-9, 8260-1
8260-2(S): CFVTD ORIG, CFVTF ORIG, CFVTG ORIG, CIROR ORIG, CIVMU ORIG, DUFDE ORIG, HEBVA ORIG, HIKRY INT REV4 (INFO), NEMJI ORIG, PUCOR ORIG, RONLE INT REV 2 (INFO), TUPIE ORIG, WAMAR ORIG, YEYDU ORIG, ZAVEG ORIG, ZODKA ORIG, ZODEB ORIG

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036/405.954.3636.

RNAV (RNP) Z RWY 2L

NASHVILLE INTL (BNA)

APP CRS	Rwy ldg	7702
021°	THRE	599
	Apt Elev	599

For uncompensated Baro-VNAV systems, procedure NA below -18°C (4°F) or above 54°C (130°F). Simultaneous approach authorized with ILS or LOC Rwy 2R, ILS Rwy 2L (Cat II), ILS Rwy 2R (Cat II). GPS Required. For loss ALSF, increase RNP 0.20 all Cats visibility to RVR 5000, RNP 0.30 all Cats visibility to 1¼ mile. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2

MISSED APPROACH: Climb to 4000 on track 021° to HIKBY and hold; continue climb-in-hold to 4000.

ATIS	NASHVILLE APP CON		NASHVILLE TOWER	GND CON	CLNC DEL
135.1	200°-018° 120.6	372.0	118.6 257.8	121.9 348.6	126.05
	019°-199° 127.175	360.7			

RDY 599	THRE 599
CYVTO: 3602.565'/08639.713'	
CYVTI: 3602.284'/08638.608'	
CYVTO: 3604.083'/08643.391'	
CIBOR: 3559.893'/08639.565'	
OVMU: 3601.919'/08644.041'	
DUFDE: 3600.462'/08643.773'	
HEBVA: 3601.510'/08635.664'	
HIKBY: 3618.480'/08636.700'	
NEMJ: 3601.162'/08642.268'	
PUCOR: 3554.057'/08636.362'	
BONLE: 3555.799'/08645.998'	
TUPE: 3559.226'/08649.731'	
WAMAR: 3607.852'/08647.334'	
YEYOU: 3600.184'/08640.667'	
ZAVEG: 3604.828'/08648.531'	
ZOOKA: 3608.302'/08633.753'	
ZODEB: 3603.325'/08643.652'	
BWI021: [illegible]	

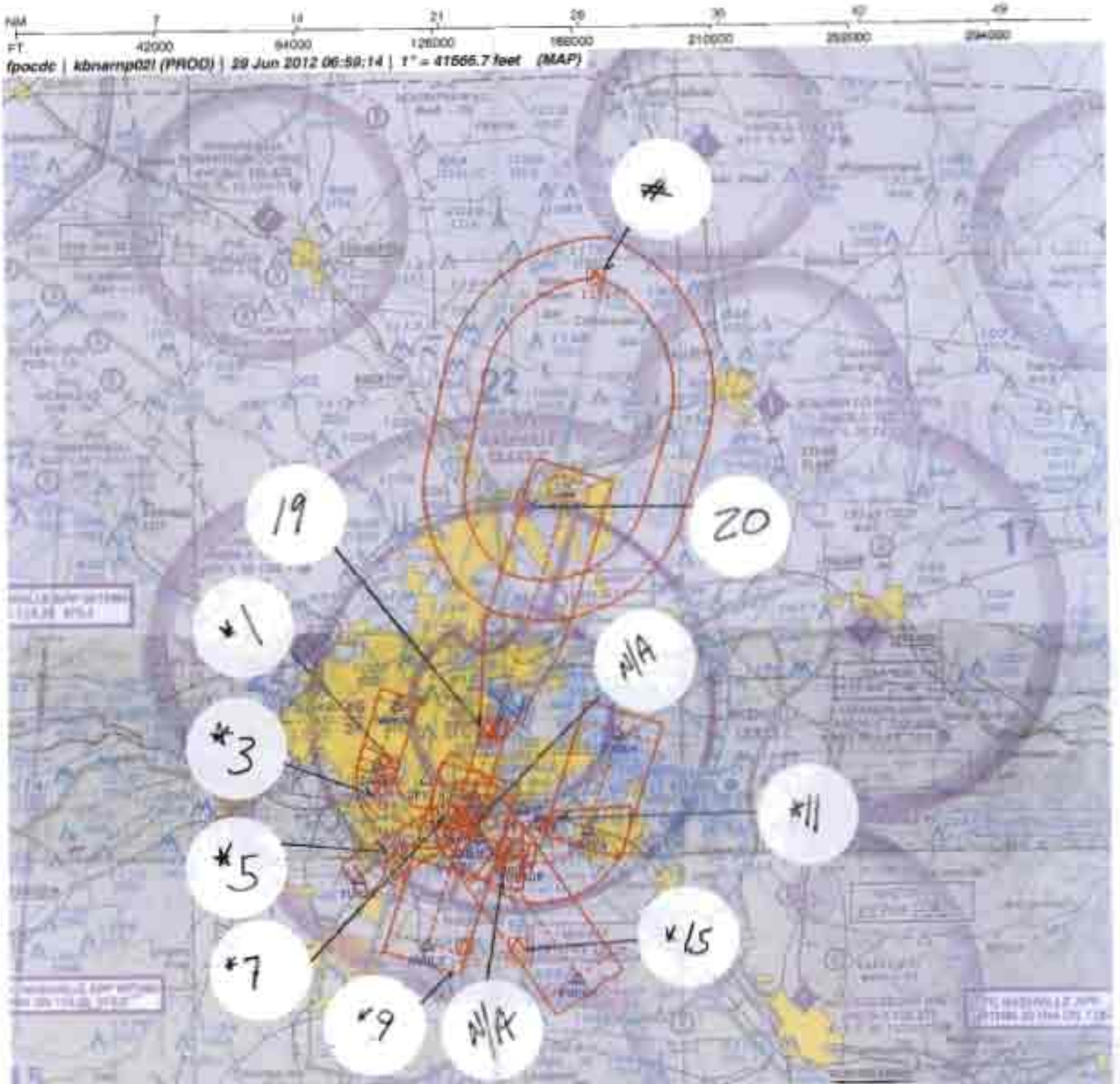
021° to BWI021

HIRL all Rwys
TDZ/CL Rwys 2L and 2R
REIL Rwys 13, 31 and 20C

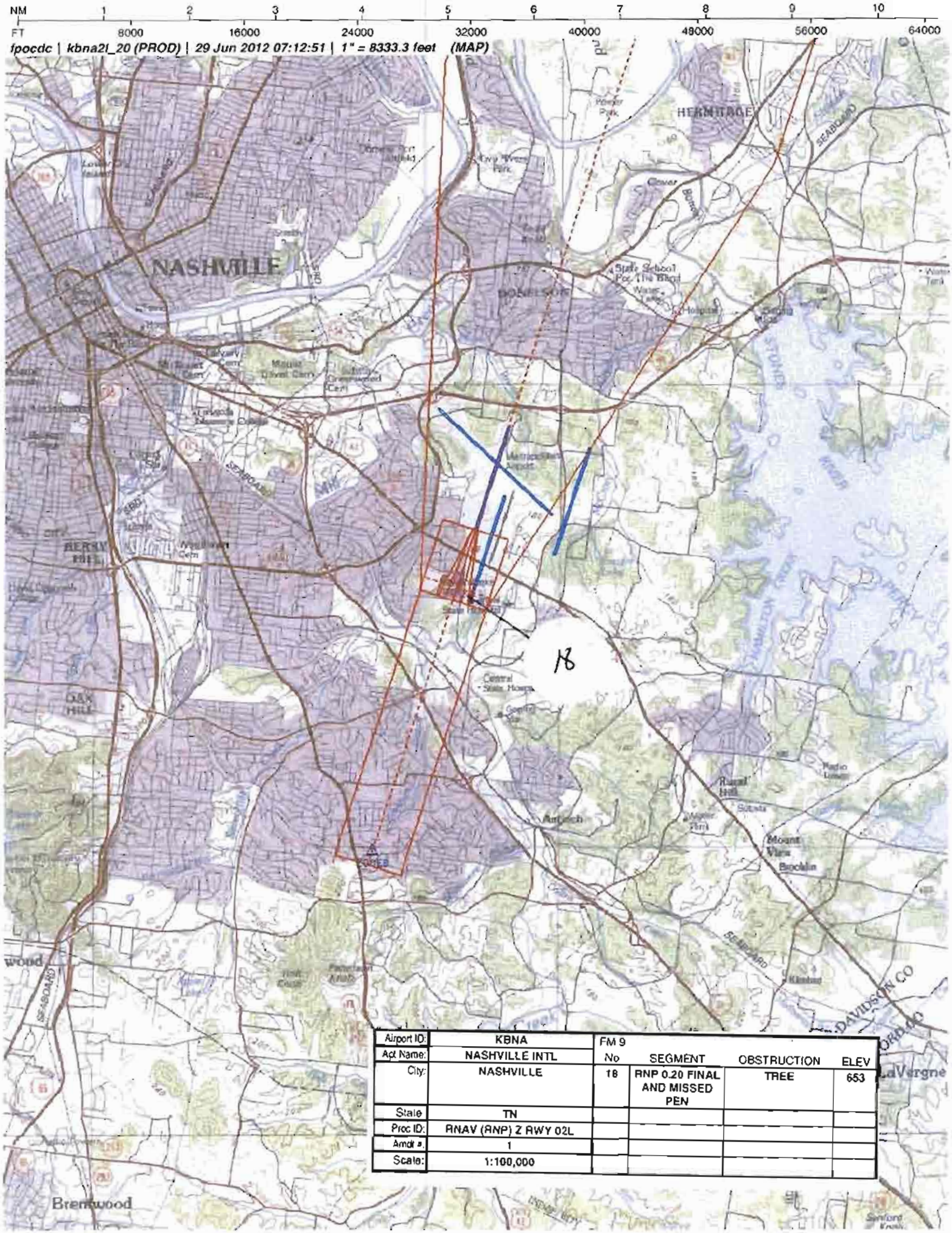
SEE PLANVIEW FOR MULTIPLE IF LOCATIONS

CATEGORY	A	B	C	D
RNP 0.20 DA	929/32	330 (400-½)		
RNP 0.30 DA	998/45	399 (400-¾)		

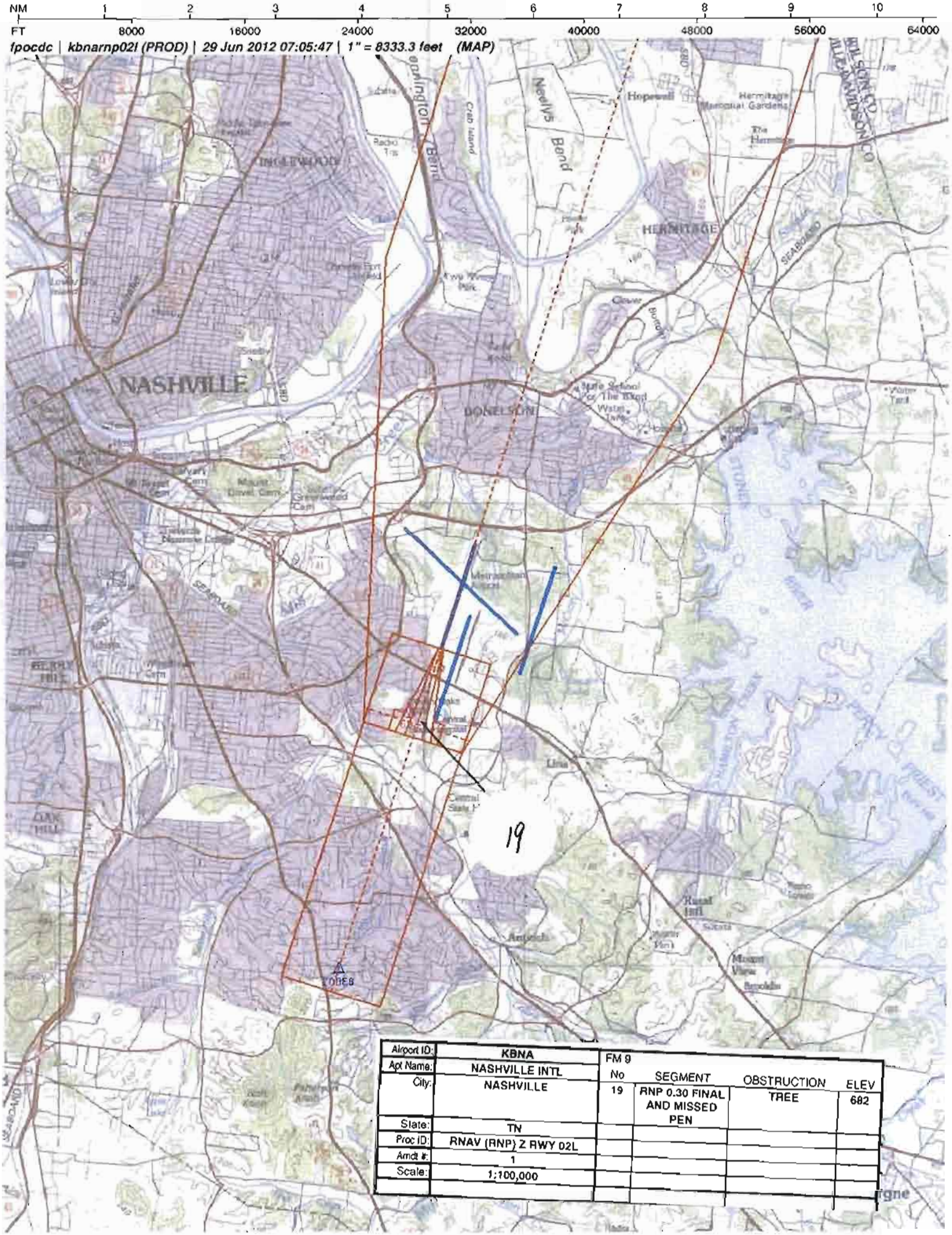
AUTHORIZATION REQUIRED



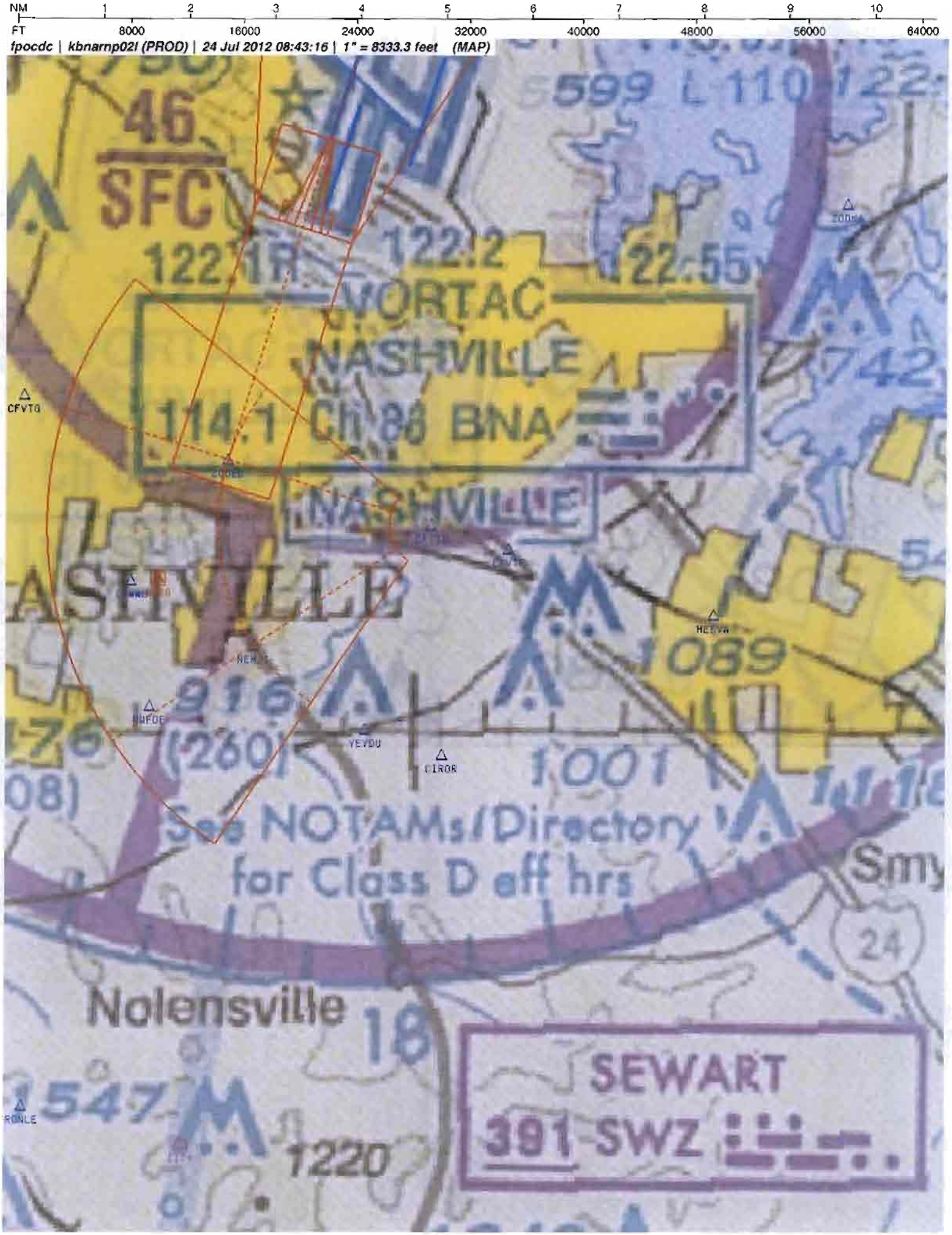
Airport ID	KBNA	PM 9			
Apt Name	NASHVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City	NASHVILLE	*1	WAMAR INT	AAO	1277
State	TN	*3	ZAVEG INT SD	AAO	1306
Proc ID	RNAV (RNP) Z RWY 02L	*5	TUPIE INT	TOWER	1479
Amdt #	1	*7	CIVNU INT SD, NEMJI INT SD, DUOFE INT SD, YEYDU INT SD	AAO	1188
Scale	1:500,000	*9	RONLE INT	AAO	1375
		*11	ZOOKA INT, HEBVA INT SD, CIROR INT SD	AAO	1073
	INT=INTERMEDIATE	*15	PUCOR INT	AAO	1411
	*ELEV DEPICTED WITH A/C	19	RNP 0.30 FINAL, RNP 0.30 MISSED PEN	TREE	682
	CIROR-YEYDU DEP AS 0.50 RNP, ACTUAL IS 1.00	20	MISSED LEVEL SFC	TOWER	908
	YEYDU-NEMJI DEPICTED AS 0.98, ACUTAL RNP IS 1.00	#	MISSED LVL HOLD	AAO	1142

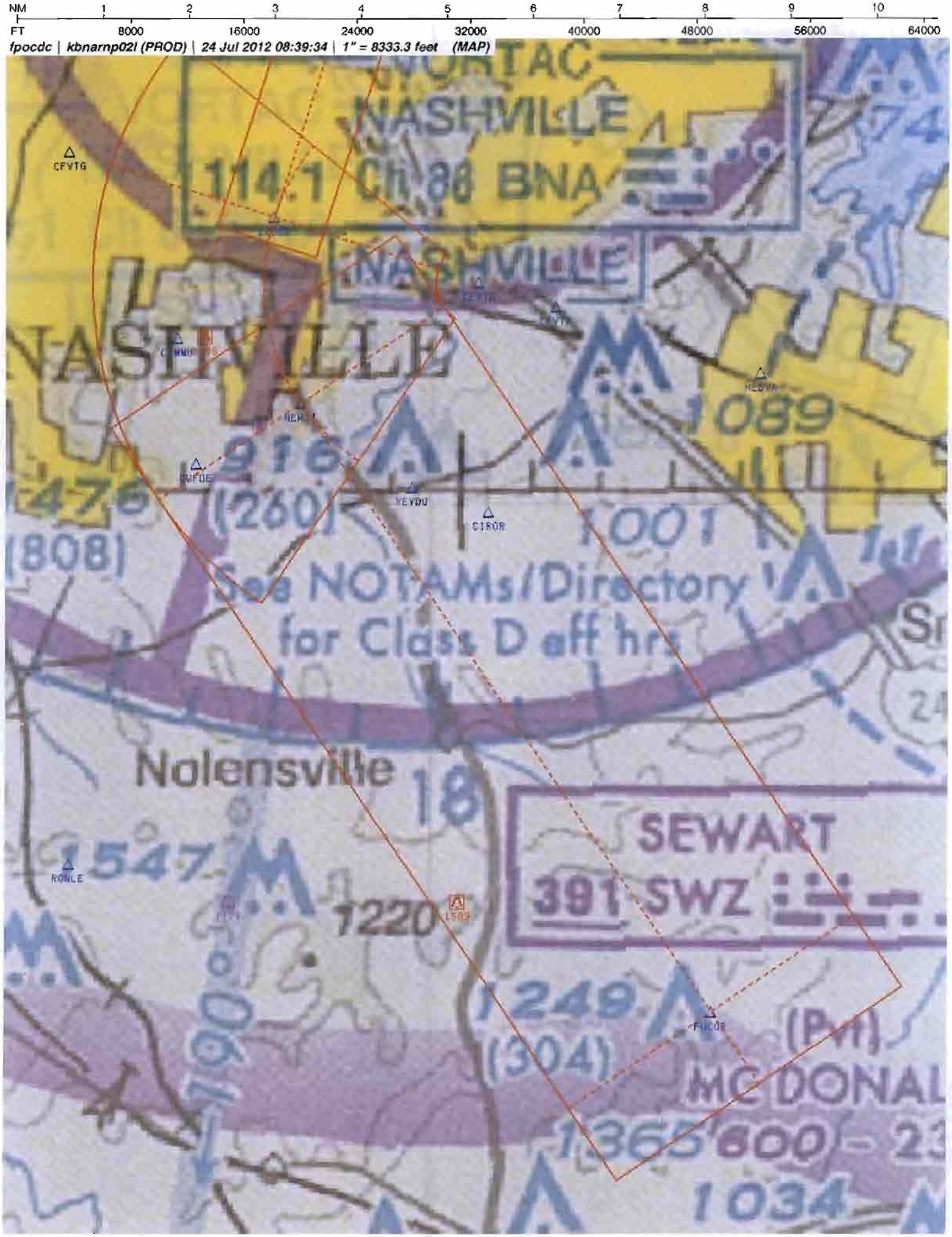


Airport ID:	KBNA	FM 9			
Apt Name:	NASHVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	NASHVILLE	18	RNP 0.20 FINAL AND MISSED PEN	TREE	653
State	TN				
Proc ID:	RNAV (RNP) Z RWY 02L				
Amdt #:	1				
Scale:	1:100,000				



Airport ID:	KBNA	FM 9			
Apt Name:	NASHVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	NASHVILLE	19	RNP 0.30 FINAL AND MISSED PEN	TREE	682
State:	TN				
Proc ID:	RNAV (RNP) Z RWY 02L				
Amdt #:	1				
Scale:	1:100,000				


NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpocdc | kbnarnp02l (PROD) | 24 Jul 2012 08:43:16 | 1" = 8333.3 feet (MAP)
46
SFC
599
110
122.1R
122.2
122.55
VORTAC
NASHVILLE
114.1 Ch 86 BNA
NASHVILLE
742
1089
916
(260)
1001
See NOTAMs/Directory
for Class D off hrs
Nolensville
18
1547
1220
SEWART
391 SWZ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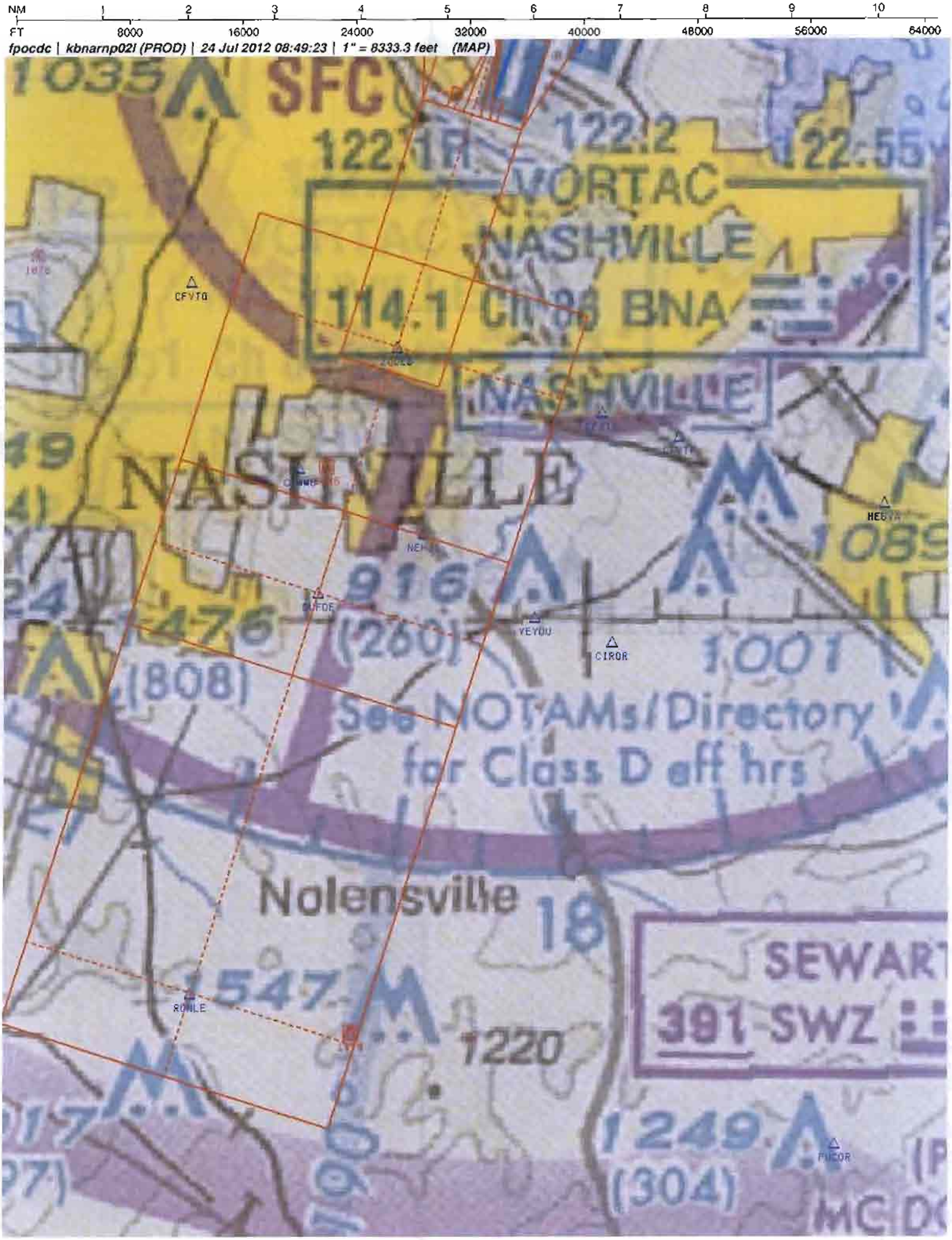
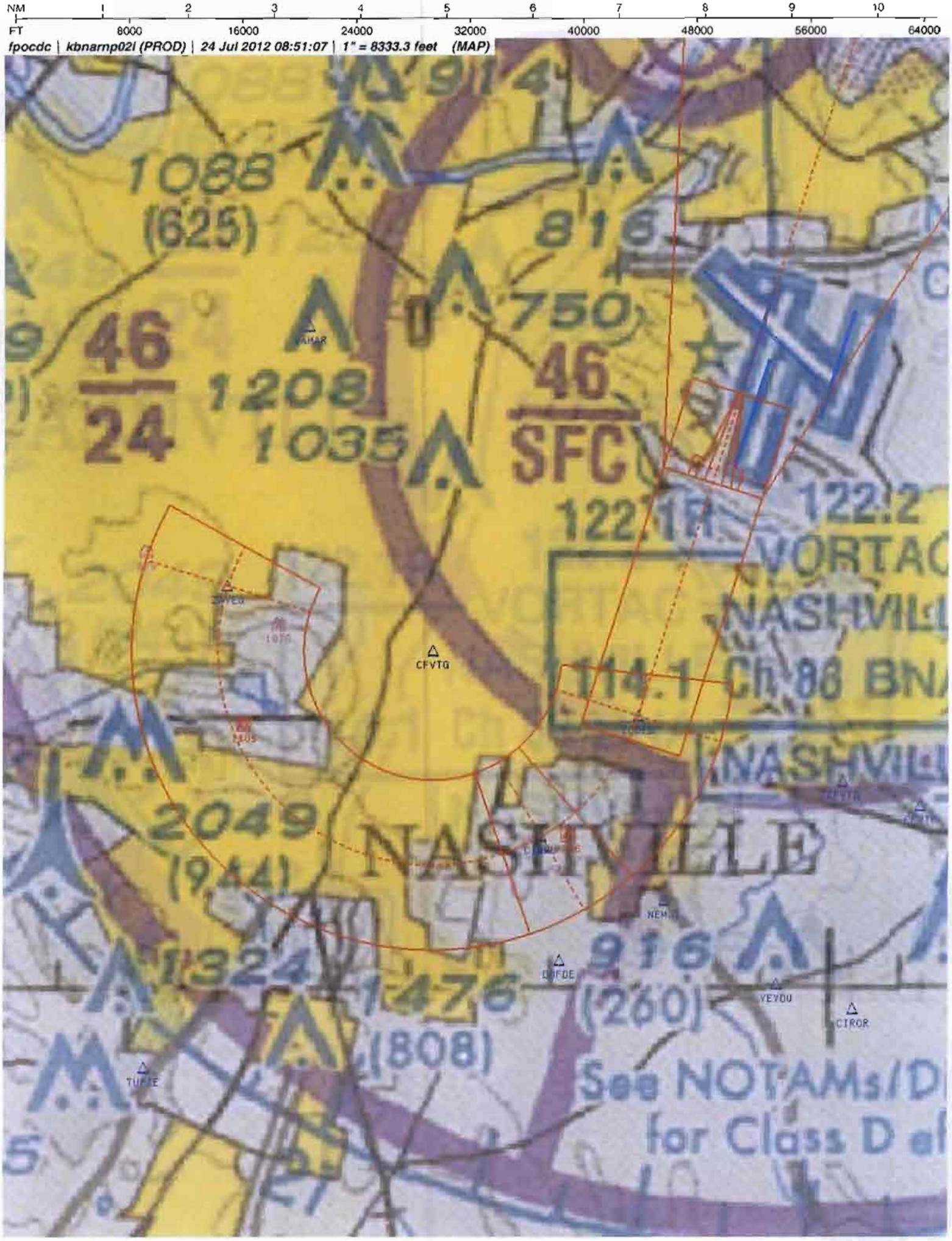
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpocdc | kbnarnp02l (PROD) | 24 Jul 2012 08:39:34 | 1" = 8333.3 feet (MAP)
NASHVILLE
114.1 Ch 86 BNA
NASHVILLE
NASHVILLE
1089
916
(260)
1001
(808)
See NOTAMs/Directory
for Class D off hrs
Nolensville
SEWART
391 SWZ
1547
1220
1249
(304)
(PVT)
MC DONAL
1365 600 - 23
1034


NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpocdc | kbnarnp02l (PROD) | 24 Jul 2012 08:49:23 | 1" = 8333.3 feet (MAP)
SFC
122.2
VORTAC
NASHVILLE
114.1 CH86 BNA
NASHVILLE
NASHVILLE
CFVTG
916
(280)
476
(808)
1001
CIROR
See NOTAMs/Directory
for Class D off hrs
Nolensville
18
1547
1220
SEWART
391 SWZ
1249
(304)
MC DO


NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpocdc | kbnarnp02l (PROD) | 24 Jul 2012 08:51:07 | 1" = 8333.3 feet (MAP)
1088
(625)
916
750
46
24
1208
1035
46
SFC
122.1R
122.2
VORTAC
NASHVILLE
114.1 Ch 86 BNA
CFVTG
2049
(944)
NASHVILLE
1324
1476
(808)
916
(260)
See NOTAMs/D
for Class D a

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - 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
WAMAR (IF)	ZAVEG (TF) (FB) (RNP 0.50)	200.60 / 3.16	4000
ZAVEG	CIVMU (RF) (FB) (RNP 0.50)	(2.50 NM RADIUS CCW (CFVTG))/6.01	2400
TUPIE (IF)	CIVMU (TF) (FB) (RNP 0.50)	062.75 / 5.34	2400
CIVMU	ZODEB (RF) (FB) (RNP 0.50)	(2.50 NM RADIUS CCW (CFVTG))/1.84	1900
RONLE (IF)	DUFDE (TF) (FB) (RNP 1.00)	020.61 / 4.90	2600
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 4000 ON TRACK 020.64 TO HIKRY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 200.69 INBOUND.
CHART FAS OBST: 682 TREE 360616N/0864138W
CHART FAS OBST: 653 TREE 360624N/0864126W
DISTANCE TO THLD FROM 330 HATH: 0.87 NM.
CHART AT OR ABOVE 3000 AT RONLE
CHART MANDATORY 5000 AT WAMAR
CHART MANDATORY 5000 AT ZODKA
CHART MANDATORY 4000 AT PUCOR
CHART MANDATORY 4000 AT TUPIE
#TCH 653.3 MSL (DO NOT CHART)
ROUTE TYPE: A,H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
CHART LOC RWY 2R.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZODEB
3. FAC: 020.64 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ZODEB 1900
5. DIST TO THLD FROM OM: 3.91 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: ZODEB 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.8# 34:1 IS CLEAR
8. MSA FROM: RW02L 3100

MAG VAR: 3W EPOCH YEAR: 2010

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
AUTHORIZATION REQUIRED															
RNP 0.20 DA	929	3200	330	929	3200	330	929	3200	330	929	3200	330			
RNP 0.30 DA	998	4500	399	998	4500	399	998	4500	399	998	4500	399			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 2R, ILS RWY 2R (CAT II), ILS RWY 2R (CAT III).
CHART NOTE: GPS REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 599 THRE: 599	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 2L, AMDT 1	AMDT: ORIG-B
				DATED 04/05/2012

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	X **ZME, BNA APP CON, BNA ATCT, APT MGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: **CHRISTOPHER COX**	FIFO **AJV-352**	DATE: **06/28/2012**

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

CHANGES:

1. REMOVED SYI VOR AND TUNGY TRANSITIONS TO RONLE AND ASSOCIATED NOTES.
2. ADDED RF INITIALS AND ASSOCIATED NOTES/RESTRICTIONS
3. FAF WAS DOBBS, IS ZODEB AND WAS 2500/5.7 NM, IS 1900/3.91 NM.
4. RNP 0.20 DA/VIS/HATH WAS 927/2400/328, IS 929/3200/330
5. RNP 0.30 DA/VIS/HATH WAS 1008/4000/410, IS 998/4500/399
6. RNP 0.30 ALSF-2 INOP NOTE VIS ADJUSTMENT WAS TO 1 1/2, IS 1 1/4
7. RONLE INTERMEDIATE SDF ADDED

REASONS:

1/2/3/7. DESIGN REQUEST
4/5. FOR DA/HATH CHANGES: OBSTACLES THAT WERE PREVIOUSLY CASE STUDIES WERE ADDED TO THE D.O.F. ALONG WITH DIFFERENT ACCURACIES AND FOR VIS CHANGES: FORMULA 1-8 IN THE 8260.52 CALCULATES VISIBILITY IN FT, THEN SUBTRACT 2400 ALS LENGTH, THEN CONVERT TO SM, THEN CONVERT TO EIGHTHS OF A MILE, THEN USING THE APPROACH PLATES TO CONVERT TO RVR.
6. CHANGES IN VISIBILITY RESULTING FROM REASON 4/5 CHANGED THE INOPERATIVE VALUES

QUALITY CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DUFDE	ZODEB (TF) (FB) (RNP 1.00)	020.63 / 3.00	1900
ZODKA (IF)	HEBVA (TF) (FB) (RNP 1.00)	200.94 / 5.03	4000
HEBVA	CIROR (RF) (FB) (RNP 1.00)	(2.51 NM RADIUS CW (CFVTF))/3.95	2900
CIROR	YEYDU (TF) (FB) (RNP 1.00)	291.01 / .94	2900
YEYDU	NEMJI (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFVTD))/1.66	2500
PUCOR (IF)	NEMJI (TF) (FB) (RNP 1.00)	328.98 / 8.56	2500
NEMJI	ZODEB (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFVTD))/2.26	1900
ZODEB (FAF)	RW02L (MAP) (TF) (FO)	020.64 / 3.91	
RW02L (MAP)	HIKRY (TF) (FO) (RNP 1.00)	020.64 / 11.97	4000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT PUCOR : MAX 210 KIAS.
CHART PLANVIEW NOTE AT WAMAR : MAX 210 KIAS.
CHART PLANVIEW NOTE AT TUPIE : MAX 210 KIAS.
CHART PLANVIEW NOTE AT ZODKA : MAX 210 KIAS.
CHART PLANVIEW NOTE ADJACENT TO WAMAR: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO TUPIE: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO ZODKA: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO PUCOR: RF REQUIRED.
CHART PLANVIEW NOTE AT WAMAR: (RNP 0.50).
CHART PLANVIEW NOTE AT TUPIE: (RNP 0.50).
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.20 ALL CATS VISIBILITY TO RVR 5000, RNP 0.30 ALL CATS VISIBILITY TO 1 1/4 MILES.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 599 THRE: 599	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 2L, AMDT 1	AMDT: ORIG-B
				DATED: 04/05/2012

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

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFVTD K70    W     N36023392W086394288                    W0034     NAR           CNF(CFVTD)
        SUSAEAENRT   CFVTF K70    W     N36021702W086383648                    W0035     NAR           CNF(CFVTF)
        SUSAEAENRT   CFVTG K70    W     N36040496W086453547                    W0034     NAR           CNF(CFVTG)
        SUSAEAENRT   CIROR K70    W     N35595359W086393390                    W0034     NAR           CIROR
        SUSAEAENRT   CIVMU K70    W     N36015511W086440247                    W0034     NAR           CIVMU
        SUSAEAENRT   DUFDE K70    W     N36002772W086434635                    W0034     NAR           DUFDE
        SUSAEAENRT   HEBVA K70    W     N36013057W086353983                    W0035     NAR           HEBVA
        SUSAEAENRT   HIKRY K70    C     N36182881W086364200                    W0035     NAR           HIKRY
        SUSAEAENRT   NEMJI K70    W     N36010974W086421605                    W0034     NAR           NEMJI
        SUSAEAENRT   PUCOR K70    W     N35540341W086362172                    W0035     NAR           PUCOR
        SUSAEAENRT   RONLE K70    W     N35554734W086453586                    W0034     NAR           RONLE
        SUSAEAENRT   TUPIE K70    W     N35591354W086494384                    W0033     NAR           TUPIE
        SUSAEAENRT   WAMAR K70    W     N36075112W086472123                    W0034     NAR           WAMAR
        SUSAEAENRT   YEYDU K70    W     N36001105W086404000                    W0034     NAR           YEYDU
        SUSAEAENRT   ZAVEG K70    W     N36045030W086483188                    W0033     NAR           ZAVEG
        SUSAEAENRT   ZODEB K70    W     N36031948W086423914                    W0034     NAR           ZODEB
        SUSAEAENRT   ZODKA K70    W     N36061810W086334527                    W0035     NAR           ZODKA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBNAK7ABNA     0     110YHN36072810W086404150W003000599         1800018000C    MNAR    NASHVILLE INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBNAK7FH02LZ APUCOR 010PUCORK7EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KBNAK7FH02LZ APUCOR 020NEMJIK7EA0E    010TF                               + 02500                           A FS
        SUSAP KBNAK7FH02LZ APUCOR 030ZODEBK7EA0EE  R010RF       0025003290    02060023  + 01900                CFVTD K7EAA FS
        SUSAP KBNAK7FH02LZ ARONLE 010RONLEK7EA0E  B    IF                               + 03000     18000                 A FS
        SUSAP KBNAK7FH02LZ ARONLE 020DUFDEK7EA0E    010TF                               + 02600                           A FS
        SUSAP KBNAK7FH02LZ ARONLE 030ZODEBK7EA0EE   010TF                               + 01900                           A FS
        SUSAP KBNAK7FH02LZ ATUPIE 010TUPIEK7EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KBNAK7FH02LZ ATUPIE 020CIVMUK7EA0E    051TF                               + 02400                           A FS
        SUSAP KBNAK7FH02LZ ATUPIE 030ZODEBK7EA0EE  L051RF       0025000628    02060018  + 01900                CFVTG K7EAA FS
        SUSAP KBNAK7FH02LZ AWAMAR 010WAMARK7EA0E  B    IF                                  05000     18000210              A-FS
        SUSAP KBNAK7FH02LZ AWAMAR 020ZAVEGK7EA0E    051TF                               + 04000                           A FS
        SUSAP KBNAK7FH02LZ AWAMAR 030CIVMUK7EA0E   L051RF       0025002006    06280060  + 02400                CFVTG K7EAA FS
        SUSAP KBNAK7FH02LZ AWAMAR 040ZODEBK7EA0EE  L051RF       0025000628    02060018  + 01900                CFVTG K7EAA FS
        SUSAP KBNAK7FH02LZ AZODKA 010ZODKAK7EA0E  B    IF                                  05000     18000210              A-FS
        SUSAP KBNAK7FH02LZ AZODKA 020HEBVAK7EA0E    010TF                               + 04000                           A FS
```

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 599 THRE: 599	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 2L, AMDT 1	AMDT: ORIG-B
				DATED: 04/05/2012

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:

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.

```
SUSAP KBNAK7FH02LZ AZODKA 030CIRORK7EA0E   R010RF       0025102009    29100040    + 02900                CFVTF K7EAA FS
SUSAP KBNAK7FH02LZ AZODKA 040YEYDUK7EA0E    010TF                                  + 02900                         A FS
SUSAP KBNAK7FH02LZ AZODKA 050NEMJIK7EA0E   R010RF       0025002910    32900017    + 02500                CFVTD K7EAA FS
SUSAP KBNAK7FH02LZ AZODKA 060ZODEBK7EA0EE  R010RF       0025003290    02060023    + 01900                CFVTD K7EAA FS
SUSAP KBNAK7FH02LZ H      020ZODEBK7EA1E  F    IF                                  + 01900     18000      RW02L K7PGA FS
SUSAP KBNAK7FH02LZ H      020ZODEBK7EA2W                                                A031A021                   FS
SUSAP KBNAK7FH02LZ H      030RW02LK7PG0GY M 031TF                                    00653            -300         A FS
SUSAP KBNAK7FH02LZ H      040HIKRYK7EA0EYM  010TF                                  + 04000                         A FS
SUSAP KBNAK7FH02LZ H      050HIKRYK7EA0EE  R   HM                    20070040    + 04000                         A FS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBNAK7GRW02L   0077030207 N36070364W086411131-0600    +01532005990000055150IIBNA3
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBNAK7SRW02LK7PG              0   18018003125                                                                          M
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CITY AND STATE	ELEVATION: 599 THRE: 599	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 2L, AMDT 1	AMDT: ORIG-B
				DATED: 04/05/2012

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:

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 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PUCOR	PUCOR	010		IF		FB				AT 04000	AB 210
	PUCOR	NEMJI	020		TF		FB	1.0			AA 02500	
	PUCOR	ZODEB	030		RF	R	FB	1.0		002.3	AA 01900	
	RONLE	RONLE	010		IF		FB				AA 03000	
	RONLE	DUFDE	020		TF		FB	1.0			AA 02600	
	RONLE	ZODEB	030		TF		FB	1.0			AA 01900	
	TUPIE	TUPIE	010		IF		FB				AT 04000	AB 210
	TUPIE	CIVMU	020		TF		FB	0.5			AA 02400	
	TUPIE	ZODEB	030		RF	L	FB	0.5		001.8	AA 01900	
	WAMAR	WAMAR	010		IF		FB				AT 05000	AB 210
	WAMAR	ZAVEG	020		TF		FB	0.5			AA 04000	
	WAMAR	CIVMU	030		RF	L	FB	0.5		006.0	AA 02400	
	WAMAR	ZODEB	040		RF	L	FB	0.5		001.8	AA 01900	
	ZODKA	ZODKA	010		IF		FB				AT 05000	AB 210
	ZODKA	HEBVA	020		TF		FB	1.0			AA 04000	
	ZODKA	CIROR	030		RF	R	FB	1.0		004.0	AA 02900	
	ZODKA	YEYDU	040		TF		FB	1.0			AA 02900	
	ZODKA	NEMJI	050		RF	R	FB	1.0		001.7	AA 02500	
	ZODKA	ZODEB	060		RF	R	FB	1.0		002.3	AA 01900	
		ZODEB	020	FAF	IF		FB				AA 01900	
		RW02L	030	MAP	TF		FO	0.3			AT 00653	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HIKRY	040		TF		FO	1.0			AA 04000	
	HIKRY	050		HM	R	FO		200.7(197.7T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CFVTD	N360233.92	W0863942.88	N3602.565	W08639.715
	CFVTF	N360217.02	W0863836.48	N3602.284	W08638.608
	CFVTG	N360404.96	W0864535.47	N3604.083	W08645.591
	CIROR	N355953.59	W0863933.90	N3559.893	W08639.565
	CIVMU	N360155.11	W0864402.47	N3601.919	W08644.041
	DUFDE	N360027.72	W0864346.35	N3600.462	W08643.773
	HEBVA	N360130.57	W0863539.83	N3601.510	W08635.664
	HIKRY	N361828.81	W0863642.00	N3618.480	W08636.700
	NEMJI	N360109.74	W0864216.05	N3601.162	W08642.268
	PUCOR	N355403.41	W0863621.72	N3554.057	W08636.362
	RONLE	N355547.34	W0864535.86	N3555.789	W08645.598
	TUPIE	N355913.54	W0864943.84	N3559.226	W08649.731
	WAMAR	N360751.12	W0864721.23	N3607.852	W08647.354

CITY AND STATE	ELEVATION: 599 THRE: 599	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 2L, AMDT 1	AMDT: ORIG-B
				DATED: 04/05/2012

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:

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.

YEYDU	N360011.05	W0864040.00	N3600.184	W08640.667
ZAVEG	N360450.30	W0864831.88	N3604.838	W08648.531
ZODEB	N360319.48	W0864239.14	N3603.325	W08642.652
ZODKA	N360618.10	W0863345.27	N3606.302	W08633.755
RW02L	N360703.64	W0864111.31	N3607.061	W08641.189

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW02L	00599	55

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.
INTERMEDIATE: (RNP 0.50)	WAMAR	ZAVEG	1. AAO	360418.00N/0864748.00W	1277 (4E)	500	AC98 AT2125	4000
			2. TERRAIN	360509.00N/0864942.00W	880 (900)		AS1500	2400
INTERMEDIATE: (RNP 0.50)	ZAVEG	CIVMU	3. AAO	360309.00N/0864818.00W	1306 (4E)	500	AC98 AT496	2400
STEPDOWN			4. TERRAIN	360309.00N/0864818.00W	1106 (1100)		AS1000	2100
INTERMEDIATE: (RNP 0.50)	TUPIE	CIVMU	5. TOWER (47-000013)	355953.00N/0864727.00W	1476 (2D)	500	AC50 AT374	2400
			6. TERRAIN	355939.00N/0864918.00W	1106 (1100)		AS1000	2100
INTERMEDIATE: (RNP 0.50)	CIVMU	ZODEB	7. AAO	360151.00N/0864339.00W	1188 (4E)	500	AC98 AT114	1900
STEPDOWN			8. TERRAIN	360151.00N/0864339.00W	988 (1000)		AS700	1700
INTERMEDIATE: (RNP 1.00)	RONLE	DUFDE	9. AAO	355515.00N/0864318.00W	1375 (4E)	500	AC98 AT627	2600
			10. TERRAIN	355515.00N/0864318.00W	1175 (1200)		AS1000	2200
INTERMEDIATE: (RNP 1.00)	DUFDE	ZODEB	7. AAO	360151.00N/0864339.00W	1188 (4E)	500	AC98 AT114	1900
STEPDOWN			8. TERRAIN	360151.00N/0864339.00W	988 (1000)		AS700	1700
INTERMEDIATE: (RNP 1.00)	ZODKA	HEBVA	11. AAO	360118.00N/0863806.00W	1073 (4E)	500	AC98 AT2329	4000
			12. TERRAIN	360233.00N/0863657.00W	771 (800)		AS1500	2300
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW02L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (47-000119)	242/ 08.2	2049 (4D)	3100					

CITY AND STATE	ELEVATION: 599 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
NASHVILLE, TN	NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 2L, AMDT 1	ASO

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 02L, 02R
		(S) SALS
	X	MALSR 02C, 20L MALSF 20R
	X	HIRL 20C, 31, 02C, 20R, 13, 20L, 02L, 02R
		MIRL
	X	REIL 20C, 31, 13
	X	TDZ 02L, 02R
	X	C/L 20R, 20L, 02L, 02R
	X	OTHER (SPECIFY) PAPI-4R 20R, 02R VASI-6L 13 PAPI-4L 20C
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 20C, 31, 02C, 20R, 13, 20L, 02L, 02R
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	02C, 20R, 20L, 02L, 02R
	MIDFIELD	20L, 02R
	ROLL OUT	20R, 20L, 02L, 02R
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 598.5
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 54.8
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: 1

ORDER 8260.52, PARAGRAPH 2.3; MEMO DATED 02/06/12 ESTABLISHES THE MINIMUM SEGMENT LENGTH FOR PBN PROCEDURES AS 2 TIMES RNP VALUE OR 1 NM, WHICHEVER IS LESS. THE SEGMENT LENGTH FROM CIROR TO YEYDU IS 0.94 NM AND THE MINIMUM CALCULATED LENGTH FOR THIS TF SEGMENT IS 1 NM, MAKING THIS SEGMENT LENGTH LESS THAN REQUIRED BY THE MEMO.

PART D - PREPARED BY: CHRISTOPHER COX	DATE: 06/28/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

MAX SPEED CIVMU TO ZODEB - 210 KIAS.

MAX SPEED NEMJI TO ZODEB - 210 KIAS.

MAX SPEED ZAVEG TO CIVMU - 210 KIAS.

MAX SPEED HEBVA TO CIROR - 210 KIAS.

ISA DEVIATION USED: -30C (3.2F)

VDP NOT ESTABLISHED - PROCEDURE IS RNP.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RFSEGMENT ALT KIAS KTAS HAA VKTW TR BA
CIVMU-ZODEB 2400 210.00 220.08 1801 30.00 2.50 20.05
ZAVEG-CIVMU 4000 210.00 226.80 3401 54.00 2.50 24.71

NEMJI-ZODEB 2500 210.00 220.50 1901 30.00 2.50 20.11
YEYDU-NEMJI 2900 210.00 222.18 2301 53.00 2.50 23.84
HEBVA-CIROR 4100 210.00 227.22 3501 54.00 2.51 24.69

WAIVER: FAAO 8260.52 PARA 2.3 MEMO DATED 02/06/12 ESTABLISHES THE MINIMUM SEGMENT LENGTH FOR PBN PROCEDURES AS 2 TIMES RNP VALUE OR 1 NM, WHICHEVER IS LESS. THE SEGMENT LENGTH FROM CIROR TO YEYDU IS 0.94 NM AND THE MINIMUM CALCULATED LENGTH FOR THIS TF SEGMENT IS 1 NM, MAKING THIS SEGMENT LENGTH LESS THAN REQUIRED BY THE MEMO.

SEE ATTACHED AIRSPACE LETTER.

BLOCK 3: ALTIMETER SETTING
2. ASOS IS ON SERVICE-A
3. BACKUP ALTIMETER SOURCE NOT REQUIRED, REDUNDANT

APPLIED MEMO DATED OCT 03, 2011: REVISED PERFORMANCE BASED ON NAVIGATION (PBN) FLY-BY (FB)/RADIUS-TO-FIX (RF) TURN MAXIMUM BANK ANGLE LIMITS: OMNI-DIRECTIONAL TAILWIND REQUIREMENTS: AND MINIMUM INITIAL DEPARTURE LEG SEGMENT LENGTH DESIGN CRITERIA.

ACT: -16
AVERAGE COLD TEMPERATURE SOURCE UNAVAILABLE AT THE TIME OF DEVELOPMENT. BASED ON STANDARD (-30.0 C) DEVIATION

TAIL WIND DATA DERIVED USING 8260.54A FORMULA 2-3B OR 30 KT TW PER 8260.54A PAR 2.4 STEP 2 EXCEPTION

AUTHORIZATION REQUIRED (AR) PER AJV-3 MEMO DATED 05/17/2011.

MANDATORY ALTITUDES REQUIRED BY ATC

NO VGSI INSTALLED

MEMO DATED 02/06/12 ESTABLISHING THE MINIMUM SEGMENT LENGTH FOR PBN PROCEDURES AS 2 TIMES THE RNP VALUE OR 1 NM, WHICHEVER IS LESS WAS APPLIED TO SEGMENTS BETWEEN CIROR AND YEYDU/YEYDU AND NEMJI. WAIVER CONT.

QUALITY 4 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE: (RNP 1.00)	HEBVA	CIROR	11. AAO	360118.00N/0863806.00W	1073 (4E)	500	AT1229 AC98	2900
STEPDOWN			13. TERRAIN	360121.00N/0863806.00W	873 (900)		AS1500	2400
INTERMEDIATE: (RNP 1.00)	CIROR	YEYDU	11. AAO	360118.00N/0863806.00W	1073 (4E)	500	AC98 AT1229	2900
STEPDOWN			14. TERRAIN	355951.00N/0864036.00W	768 (800)		AS1500	2300
INTERMEDIATE: (RNP 1.00)	YEYDU	NEMJI	7. AAO	360151.00N/0864339.00W	1188 (4E)	500	AC98 AT714	2500
STEPDOWN			15. TERRAIN	355957.00N/0864415.00W	778 (800)		AS1500	2300
INTERMEDIATE: (RNP 1.00)	PUCOR	NEMJI	16. AAO	355515.00N/0864000.00W	1411 (4E)	500	AC98 AT491	2500
			17. TERRAIN	355515.00N/0864000.00W	1211 (1200)		AS1000	2200
INTERMEDIATE: (RNP 1.00)	NEMJI	ZODEB	7. AAO	360151.00N/0864339.00W	1188 (4E)	500	AC98 AT114	1900
STEPDOWN			8. TERRAIN	360151.00N/0864339.00W	988 (1000)		AS700	1700
FINAL: RNP 0.20	ZODEB	RW02L	18. TREE (KBNA0030)	360623.95N/0864125.52W	653 (1A)	21.71:1	AC3 MA51	929/330
FINAL: RNP 0.30	ZODEB	RW02L	19. TREE (KBNA0033)	360615.75N/0864138.46W	682 (1A)	21.70:1	AC3 MA45	998/399
MISSED APPROACH	DA	RW02L(40:1)	18. TREE (KBNA0030)	360623.95N/0864125.52W	653 (1A)	ASC	AC3	
(RNP 0.20-1.00)								
MISSED APPROACH	DA	RW02L (40:1)	19. TREE (KBNA0033)	360615.75N/0864138.46W	682 (1A)	ASC	AC3	
(RNP 0.30-1.00)								
3. MISSED APPROACH — MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE	ELEVATION: 599 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
NASHVILLE, TN	NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 2L, AMDT 1	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:			2. WEATHER SERVICE		3. ALTIMETER SETTING
SATISFACTORY ON:			N W S	OTHER:	SOURCE:
			F A A		DISTANCE:
			A / C		HOURS REMOTE OPERATION:
V H F	U H F	H F	LOCATION:		ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
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	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

CONTINUED.
REQUIRED FOR CIROR TO YEYDU.

STANDARD INSTRUMENT APPROACH PROCEDURE RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
MISSED APPROACH	RW02L	HIKRY (40:1)				ASC		
(RNP 0.20-1.00)								
MISSED APPROACH	RW02L	HIKRY (40:1)				ASC		
(RNP 0.30-1.00)								
2. PROCEDURE TURN						ASC		4000
MAP:	DA / DA	HIKRY				1000	AC20	2000
3. MISSED			20. TOWER (47-000200)	371743.00N/0863932.00W	906 (3C)	1000	AC20	2000
APPROACH ELEV:	656/681		21. TERRAIN	361033.00N/0864012.00W	722 (700)		AS1500	2000

4. CIRCLING	DISTANCE	H.T. ABV. ARPT. Required	H.T. ABV. ARPT. Actual
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	MSA	SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	MSA

QUALITY CHECKED

CITY AND STATE	AIRPORT & ELEVATION	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION

FAA FORM 8260 - 9 / December 2002 (Computer Generated)

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH :	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON: ☐ VHF ☐ UHF ☐ HF	☐ NWS ☐ FAA ☐ A/C OTHER:	SOURCE:
		DISTANCE:
	LOCATION:	HOURS REMOTE OPERATION:
	HRS OPTN:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY		SECONDARY	
	NAVAID:		NAVAID:	
	MONITOR POINT:		MONITOR POINT:	
	HRS OPTN:	CAT 1	HRS OPTN:	CAT 1
		CAT 3		CAT 3

5. AIRSPACE	FLOOR OF CONTROLLED AIRSPACE UNDER FAC		CONTROL AREA
	CONTROL ZONE:	HOURS OPTN	TRANSITION AREA

6. APPROACH & RUNWAY LIGHTING				
		ALS		REIL
		(S) SALS		TDZ
		MALS		C/LINE
		HIRL		OTHER (Specify)
		MIRL		

7. RUNWAY MARKINGS	8. RUNWAY VISUAL RANGE
ALL WEATHER	APPROACH
INSTRUMENT	ROLL OUT

9. GLIDE SLOPE	G S ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GS ANTENNA:
		THRESHOLD CROSSING HEIGHT:

10. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD	F T. FROM THRESHOLD
		ON CENTERLINE	F T. FROM CENTERLINE

11. WAIVERS OF STANDARDS	NUMBER OF WAIVERS ON FILE	DATES OF APPROVAL

PART C - REMARKS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CFVTD **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360233.92N/0863942.88W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFVTF **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360217.02N/0863836.48W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFVTG **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360404.96N/0864535.47W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIROR **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 355953.59N/0863933.90W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIVMU **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360155.11N/0864402.47W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DUFDE **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360027.72N/0864346.35W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HEBVA **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360130.57N/0863539.83W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HIKRY **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361828.81N/0863642.00W **TYPE:** WP, RADAR, 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	NASHVILLE	I-VIY	LOC		020.65	017.65		12.21		4000	5000
2	NASHVILLE	BNA	VORTAC	H			10.85	10.85		4000	5000

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	N		WP	020.69	200.69	R		4	4000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	362842.00N/0863454.00W	1142	4E
1	230	TOWER (47-000967)	363136.00N/0864114.00W	2049	5D
1	310	TOWER (47-002272)	361604.95N/0864744.70W	2049	2B

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) Y RWY 2L	KBNA	NASHVILLE	TN (US)
1	RNAV (RNP) Z RWY 2L	KBNA	NASHVILLE	TN (US)
1	RNAV (GPS) Y RWY 2C	KBNA	NASHVILLE	TN (US)
1	RNAV (RNP) Z RWY 2C	KBNA	NASHVILLE	TN (US)

REMARKS:
NASHVILLE (FAC 2) AND NASHVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 20R	1, 2		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 20R		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2C		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2L		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20R			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2C		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2L		1	KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED FIX USE,
UPDATED 230 KT OBSTACLE ID
RAISED FACS 1/2 MRA FROM 2000 TO 4000
ADDED FACS USED TO ESTABLISH FIX COORDINATES

DEVELOPED BY: **DATE:** 08/09/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APCH / ATCT
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: NEMJI **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360109.74N/0864216.05W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: PUCOR **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 355403.41N/0863621.72W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2C			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2R			KBNA	NASHVILLE	TN (US)
STAR	SWFFT (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RONLE **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 355547.34N/0864535.86W **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	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	200.61	020.61	L		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (47-002306)	355520.00N/0864246.00W	1547	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 AVOID CONFLICT WITH HOLDING PATTERNS RWY 02C/02R

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) Y RWY 20R		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2L		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20R		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2L		-	KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
REMOVED FAC 1 THLD REFERENCE
UPDATED FIX USE
ADDED PRECIP TERRAIN NOTE

DEVELOPED BY: **DATE:** 07/24/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TUPIE **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 355913.54N/0864943.84W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2C			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2R			KBNA	NASHVILLE	TN (US)
STAR	CHSNE (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WAMAR **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360751.12N/0864721.23W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2C			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2R			KBNA	NASHVILLE	TN (US)
STAR	RYYMN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YEYDU **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360011.05N/0864040.00W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZAVEG **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360450.30N/0864831.88W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZODKA **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360618.10N/0863345.27W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2C			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2R			KBNA	NASHVILLE	TN (US)
STAR	PASLY (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZODEB **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360319.48N/0864239.14W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 2L			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APP CON, BNA ATCT
OTHER:

QUALITY CHECKED

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:
NASHVILLE, TN
NASHVILLE INTL (KBNA)
RNAV (RNP) Z RWY 2L

2. Waiver Required and Applicable Standard:

Memo dated 02/06/12 establishes the minimum segment length for PBN procedures as 2 times RNP value or 1 NM, whichever is less. The segment length from CIROR to YEYDU is 0.94 NM and the minimum calculated length for this TF segment is 1 NM, making this segment length less than required by the memo.

3. Reason for Waiver *(Justification for nonstandard treatment)*:

Procedure design requires the use of shared fix ZODKA which limits the movement of CIROR.

4. Equivalent Level of Safety Provided:

1. Authorization required for this procedure.
2. Procedure has been flight checked satisfactorily.
3. Segment joins two tangent arcs. No DTA.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

N/A-RNAV procedure

6. Coordination With User Organizations *(Specify)*:
AJV-352

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-35	**MANAGER, TERMINAL PRODUCTS GROUP**	**GREGORY YAMAMOTO**

FAA FORM 8260 - 1 / July 2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:		
Date:	Routing Symbol:	Signature:

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **NASHVILLE** STATE: **TN**

AIRPORT NAME: **NASHVILLE INTL** ID: **KBNA**

PROCEDURE: **RNAV (RNP) Z RWY 02L** 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 **4.46**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **4.00**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point *****
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **988**
5. Distance from **THLD** to 1500' point **6.13**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point *****
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **988**
9. Threshold Coordinates (if straight-in) ... **360703.64N / 0864111.31W**
10. ARP Coordinates ..... **360728.10N / 0864041.50W**
11. Runway Approach End and distance furthest from ARP ..... RWY **20C**
    Distance **1.35** NM
12. FAF Coordinates ..... **360319.48N / 0864239.14W**

REMARKS: Approach/Drawing attached.

***1000' AND 1500' POINT ARE IN RF SEGMENT BETWEEN NEMJI AND ZODEB (PFAF)**

RF (1000' AND 1500'): CFVTD 360233.92N/0863942.88W

THIS AIRSPACE IS FOR INTERMEDIATE SEGMENT BEGINNING AT ZODKA (IF)

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **NASHVILLE** STATE: **TN**

AIRPORT NAME: **NASHVILLE INTL** ID: **KBNA**

PROCEDURE: **RNAV (RNP) Z RWY 02L** 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 **5.62**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **4.00**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point *****
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **988**
5. Distance from **THLD** to 1500' point **12.15**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point ******
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1211**
9. Threshold Coordinates (if straight-in) ... **360703.64N / 0864111.31W**
10. ARP Coordinates ..... **360728.10N / 0864041.50W**
11. Runway Approach End and distance furthest from ARP ..... RWY **20C**

    Distance **1.35** NM
12. FAF Coordinates ..... **360319.48N / 0864239.14W**

REMARKS: Approach/Drawing attached.

***1000' POINT IS IN RF SEGMENT BETWEEN NEMJI AND ZODEB (PFAF), **1500' POINT IS IN TF SEGMENT BETWEEN PUCOR AND NEMJI**

RF (1000'): CFVTD 360233.92N/0863942.88W

THIS AIRSPACE IS FOR INTERMEDIATE SEGMENT BEGINNING AT PUCOR (IF)

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **NASHVILLE** STATE: **TN**

AIRPORT NAME: **NASHVILLE INTL** ID: **KBNA**

PROCEDURE: **RNAV (RNP) Z RWY 02L** 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 **4.87**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **4.00**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point **017.63**
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **988**
5. Distance from **THLD** to 1500' point **9.16**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **017.63**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1175**
9. Threshold Coordinates (if straight-in) ... **360703.64N** / **0864111.31W**
10. ARP Coordinates ..... **360728.10N** / **0864041.50W**
11. Runway Approach End and distance furthest from ARP ..... RWY **20C**
    Distance **1.35** NM
12. FAF Coordinates ..... **360319.48N** / **0864239.14W**

REMARKS: Approach/Drawing attached.

THIS AIRSPACE IS FOR INTERMEDIATE SEGMENT BEGINNING AT RONLE (IF)

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **NASHVILLE** STATE: **TN**

AIRPORT NAME: **NASHVILLE INTL** ID: **KBNA**

PROCEDURE: **RNAV (RNP) Z RWY 02L** 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 **4.38**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **2.00**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point *****
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **988**
5. Distance from **THLD** to 1500' point **8.77**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **2.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point ******
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1106**
9. Threshold Coordinates (if straight-in) ... **360703.64N / 0864111.31W**
10. ARP Coordinates ..... **360728.10N / 0864041.50W**
11. Runway Approach End and distance furthest from ARP ..... RWY **20C**
    Distance **1.35** NM
12. FAF Coordinates ..... **360319.48N / 0864239.14W**

REMARKS: Approach/Drawing attached.

***1000' POINT IS IN RF SEGMENT BETWEEN CIMVU AND ZODEB (PFAF) , **1500' POINT IS IN RF SEGMENT BETWEEN ZAVEG AND CIMVU**

RF (1000' AND 1500'): CFVTG 360404.96N/0864535.47W

THIS AIRSPACE IS FOR INTERMEDIATE SEGMENT BEGINNING AT WAMAR (IF)

KBNA
RNAV (RNP) Z RWY 02L
CIMVU TO PFAF
(OBS # 7 W/250' A/C APPLIED)

PFAF
Initial Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	**0.00**
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	**000° 00' 00.00"**
PFAF Longitude:	**000° 00' 00.00"**

Latitude/Longitude valid for straight segment only

VEB
OCS Origin & Slope

Intermediate Segment Altitude:	1900
LTP Elevation:	598.5
Glidepath Angle:	3
TCH:	54.8
RNP Value:	0.30
Δ ISA:	-30

Straight In Segment

(*Wingspan =<262*) LTP to Origin:	**3,844.35'**
(*Wingspan =<136*) LTP to Origin:	**3,627.38'**
OCS Slope Ratio:	**21.70 : 1**

RF Turn Segment | Bank angle:	**19.46°**
(*Wingspan =<262*) LTP to Origin:	**4,248.82'**
(*Wingspan =<136*) LTP to Origin:	**3,793.45'**
OCS Slope Ratio:	**21.70 : 1**

Version 3.0

VEB
Temperature Limits

Glidepath Angle:	3.00°	
Max Glidepath Angle:	3.50°	
PFAF Elevation:	2500	
LTP Elevation:	9.5	
ACT:	-16.00°C	
Min Glidepath Angle	**2.75°**	
NA Below	**-15.23°C**	**4.59°F**
NA Above	**49.31°C**	**120.77°F**

Intermediate Segment
VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	598.50
TCH (ft)	54.80
OCS Slope	21.70
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,844.35
Obstacle Distance (ft) *(measured along-track from LTP)*	33,880.31
VEB ROC *(at obstacle)*	**452**
Glidepath MSL altitude at Obstacle	2,456.40
OCS MSL altitude at Obstacle	2,004.26

KBNA
RNAV (RNP) Z RWY 02L
NEMJI TO PFAF
(OBS # 7 W/250' A/C APPLIED)

PFAF
Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	**0.00**
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	**000° 00' 00.00"**
PFAF Longitude:	**000° 00' 00.00"**

Latitude/Longitude valid for straight segment only

VEB
Data Entry

Intermediate Segment Altitude:	1900
LTP Elevation:	598.5
Glidepath Angle:	3
TCH:	54.8
RNP Value:	0.30
Δ ISA:	-30

Straight In Segment

(*Wingspan =<262*) LTP to Origin:	**3,844.35'**
(*Wingspan =<136*) LTP to Origin:	**3,627.38'**
OCS Slope Ratio:	**21.70 : 1**
RF Turn Segment | Bank angle:	**19.46°**
(*Wingspan =<262*) LTP to Origin:	**4,248.82'**
(*Wingspan =<136*) LTP to Origin:	**3,793.45'**
OCS Slope Ratio:	**21.70 : 1**

Version 2.0

VEB
Temperature Limits

Glidepath Angle:	3.00°	
Max Glidepath Angle:	3.50°	
PFAF Elevation:	2500	
LTP Elevation:	9.5	
ACT:	-16.00°C	
Min Glidepath Angle	**2.75°**	
NA Below	**-15.23°C**	**4.59°F**
NA Above	**49.31°C**	**120.77°F**

Intermediate Segment
VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	598.50
TCH (ft)	54.80
OCS Slope	21.70
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,844.35
Obstacle Distance (ft) *(measured along-track from LTP)*	32,062.21
VEB ROC *(at obstacle)*	**440**
Glidepath MSL altitude at Obstacle	2,358.24
OCS MSL altitude at Obstacle	1,917.94

KBNA
RNAV (RNP) Z RWY 2L
DUFDE TO PFAF
(OBS # 4 W/250' A/C APPLIED)

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	**0.00**
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	**000° 00' 00.00"**
PFAF Longitude:	**000° 00' 00.00"**

Lalitude/Longitude valid for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	1900
LTP Elevation:	598.5
Glidepath Angle:	3
TCH:	54.8
RNP Value:	0.30
Δ ISA:	-30

Straight In Segment

(*Wingspan =<262*) LTP to Origin:	**3,844.35'**
(*Wingspan =<136*) LTP to Origin:	**3,627.38'**
OCS Slope Ratio:	**21.70 : 1**
RF Turn Segment | Bank angle:	**19.46°**
(*Wingspan =<262*) LTP to Origin:	**4,248.82'**
(*Wingspan =<136*) LTP to Origin:	**3,793.45'**
OCS Slope Ratio:	**21.70 : 1**

Version 2.0

VEB Temperature Limits

Glidepath Angle:	3.00°	
Max Glidepath Angle:	3.50°	
PFAF Elevation:	2500	
LTP Elevation:	9.5	
ACT:	-16.00°C	
Min Glidepath Angle	**2.75°**	
NA Below	**-15.23°C**	**4.59°F**
NA Above	**49.31°C**	**120.77°F**

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	598.50
TCH (ft)	58.40
OCS Slope	21.70
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,844.35
Obstacle Distance (ft) *(measured along-track from LTP)*	33,802.59
VEB ROC *(at obstacle)*	**455**
Glidepath MSL altitude at Obstacle	2,455.80
OCS MSL altitude at Obstacle	2,000.57