Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 07/07/2011	Task #: 2011070726620801005	Request #: 20110707266208
Procedure: RNAV (RNP) Z RWY 20 R 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

Procedure Comments: ENROUTE **Remark Type:** INFORMATION PCG 3 of 6

NASHVILLE, TN NASHVILLE INTL (KBNA) RNAV (RNP) Z RWY 20R, AMDT 1 ENROUTE-YES FC BY 9/18/12 PUB 11/15/12

ATTACHED FORMS: 8260-3, 8260-9, 8260-10
8260-2(S): CFFJD ORIG; CFFJF ORIG; CFFJG ORIG; CULAR ORIG; HIKRY INT REV 5; IDADE ORIG; JOGLO ORIG; MESOE ORIG; RONLE INT REV 3; SIPPO ORIG; SUDRE ORIG; WEGMA ORIG; WEVUT ORIG; WOKAP ORIG; ZEPET ORIG; ZINUM ORIG; ZUGLI ORIG

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

APP CRS	Rwy ldg	7702
201°	THRE	555
	Apt Elev	599

RNAV (RNP) Z RWY 20R
NASHVILLE INTL (BNA)

For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 54°C (130°F). GPS Required. Use of FD or AP providing RNAV track guidance required during simultaneous operations. Simultaneous approach authorized with ILS or LOC Rwy 20L. For inoperative MALSR, increase RNP 0.18 all Cats visibility to RVR 6000 and RNP 0.30 all Cats visibility to 1½ miles.

MALSF

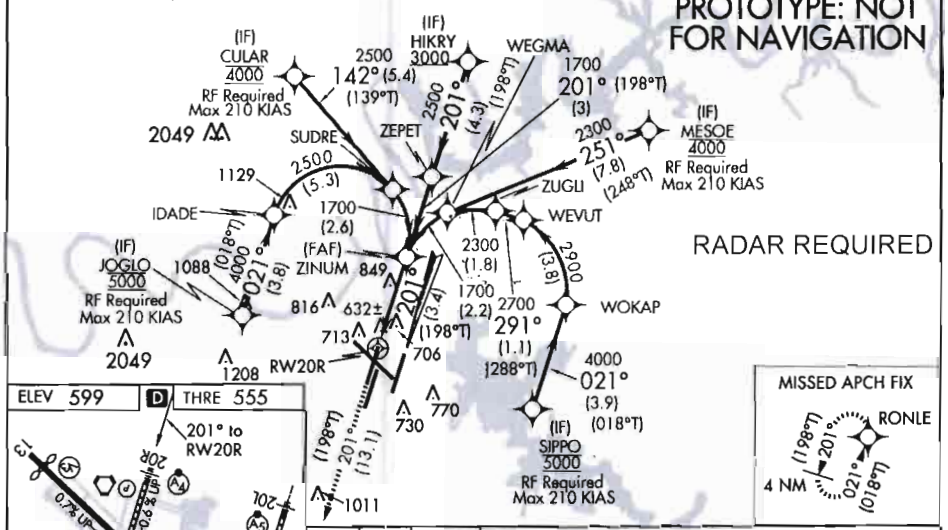
MISSED APPROACH: Climb to 3000 on track 201° to RONLE and hold.

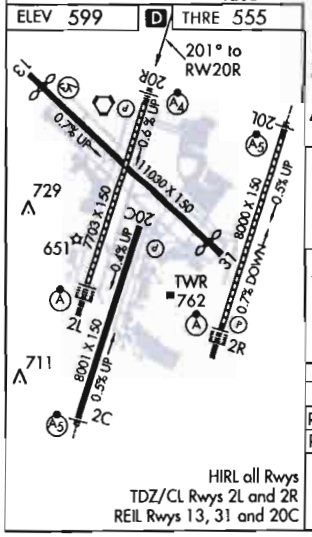
ATIS	NASHVILLE APP CON	NASHVILLE TOWER	GND CON	CLNC DEL
135.1	200°-018° 120.6 372.0 019°-199° 127.175 360.7	118.6 257.8	121.9 348.6	126.05

CFFJD: 36 12.283 N / 086 42.381 W
CFFJF: 36 10.542 N / 086 35.168 W
CFFJG: 36 10.755 N / 086 36.462 W
CULAR: 36 17.959 N / 086 44.430 W
HIKRY: 36 18.480 N / 086 36.700 W
IDADE: 36 13.040 N / 086 45.325 W
JOGLO: 36 09.446 N / 086 46.731 W
MESOE: 36 16.013 N / 086 28.655 W
RONLE: 35 55.789 N / 086 45.598 W
SIPPO: 36 06.080 N / 086 33.844 W
SUDRE: 36 13.935 N / 086 40.059 W
WEGMA: 36 13.104 N / 086 37.625 W
WEVUT: 36 12.823 N / 086 34.233 W
WOKAP: 36 09.796 N / 086 32.350 W
ZEPET: 36 14.386 N / 086 38.312 W
ZINUM: 36 11.524 N / 086 39.437 W
ZUGLI: 36 13.158 N / 086 35.477 W
RW20R: 36 08.271 N / 086 40.714 W

PROTOTYPE: NOT FOR NAVIGATION

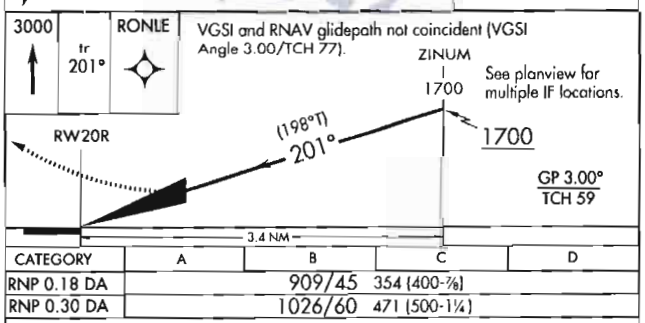
RADAR REQUIRED





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

MISSED APCH FIX



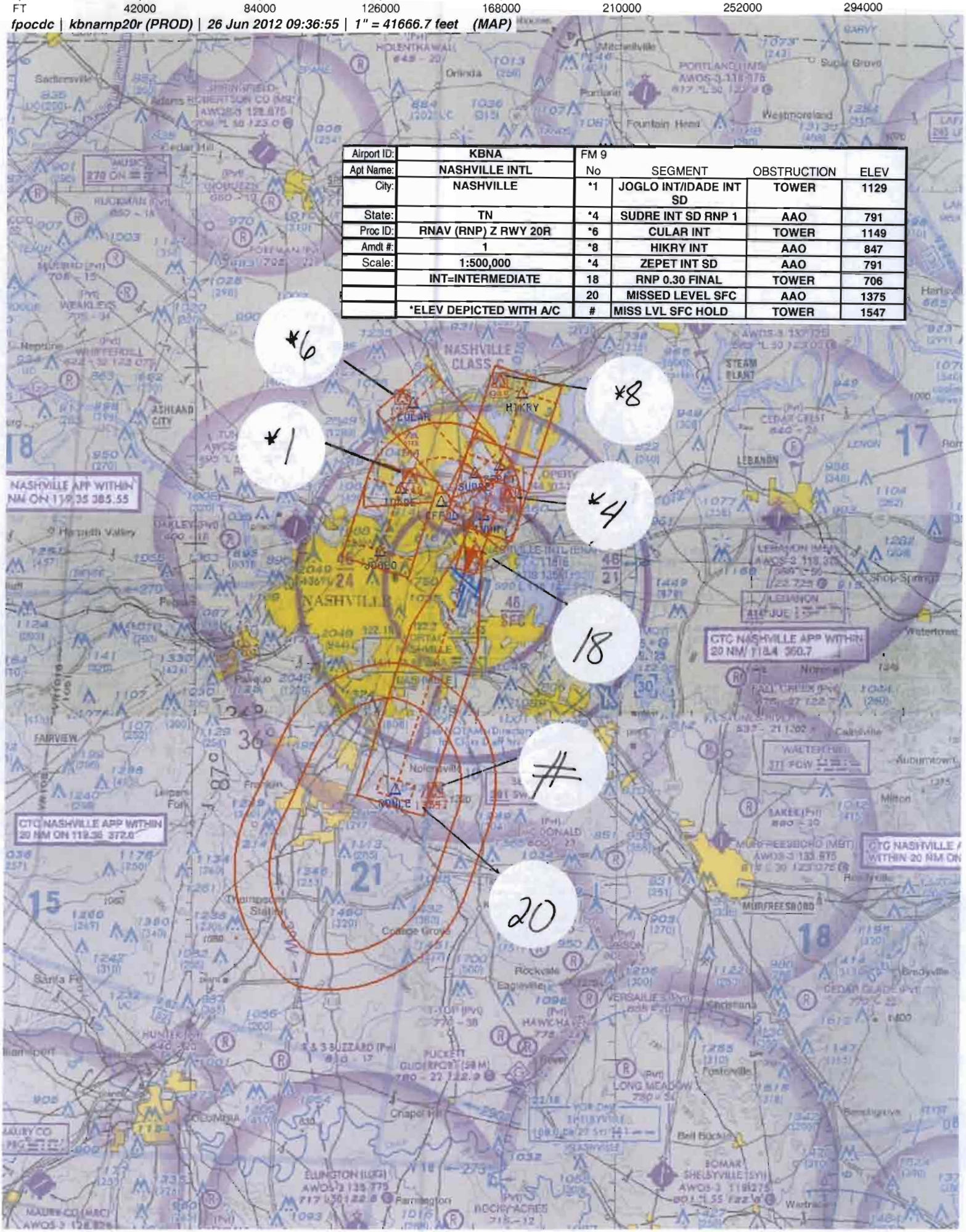
CATEGORY	A	B	C	D
RNP 0.18 DA	909/45 354 (400-⅞)			
RNP 0.30 DA	1026/60 471 (500-1¼)			

AUTHORIZATION REQUIRED

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpocdc | kbnarnp20r (PROD) | 26 Jun 2012 09:36:55 | 1" = 41666.7 feet (MAP)

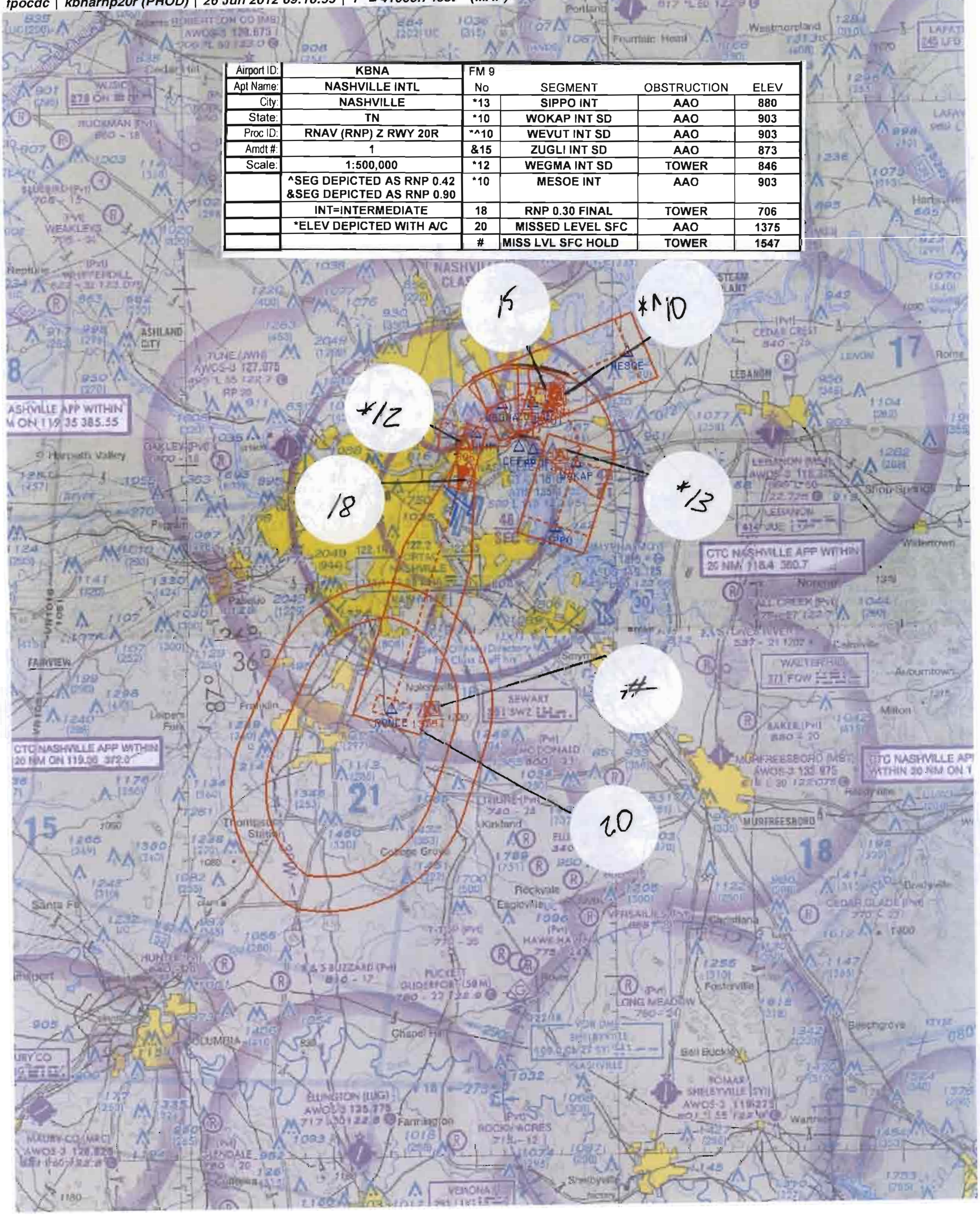


Airport ID:	KBNA	FM 9			
Apt Name:	NASHVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	NASHVILLE	*1	JOGLO INT/IDADE INT SD	TOWER	1129
State:	TN	*4	SUDRE INT SD RNP 1	AAO	791
Proc ID:	RNAV (RNP) Z RWY 20R	*6	CULAR INT	TOWER	1149
Amdt #:	1	*8	HIKRY INT	AAO	847
Scale:	1:500,000	*4	ZEPET INT SD	AAO	791
	INT=INTERMEDIATE	18	RNP 0.30 FINAL	TOWER	706
		20	MISSED LEVEL SFC	AAO	1375
	*ELEV DEPICTED WITH A/C	#	MISS LVL SFC HOLD	TOWER	1547

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000

fpocdc | kbnarnp20r (PROD) | 26 Jun 2012 09:10:55 | 1" = 41666.7 feet (MAP)

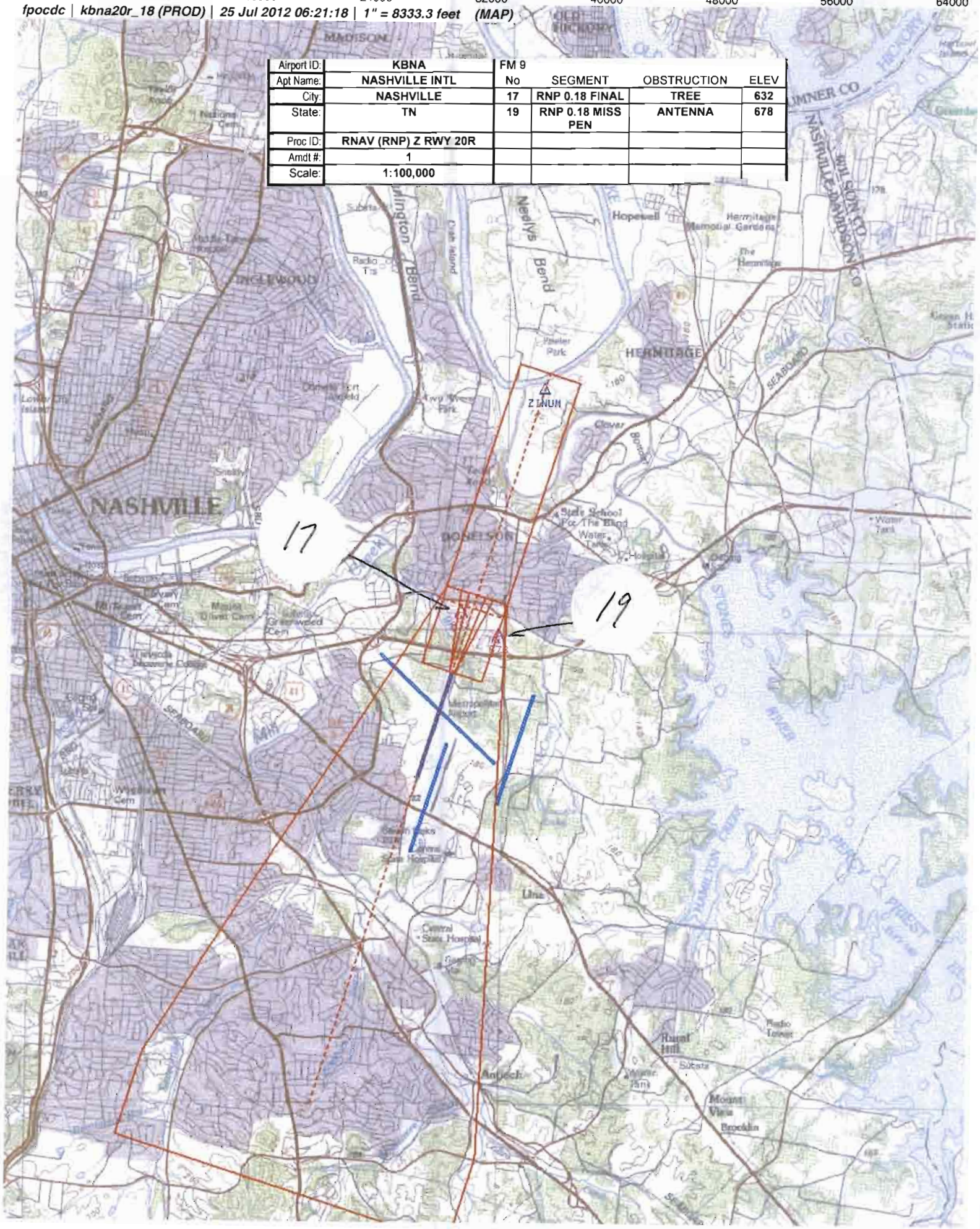
Airport ID:	KBNA	FM 9			
Apt Name:	NASHVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	NASHVILLE	*13	SIPPO INT	AAO	880
State:	TN	*10	WOKAP INT SD	AAO	903
Proc ID:	RNAV (RNP) Z RWY 20R	*^10	WEVUT INT SD	AAO	903
Amdt #:	1	&15	ZUGLI INT SD	AAO	873
Scale:	1:500,000	*12	WEGMA INT SD	TOWER	846
	^SEG DEPICTED AS RNP 0.42 &SEG DEPICTED AS RNP 0.90	*10	MESOE INT	AAO	903
	INT=INTERMEDIATE	18	RNP 0.30 FINAL	TOWER	706
	*ELEV DEPICTED WITH A/C	20	MISSED LEVEL SFC	AAO	1375
		#	MISS LVL SFC HOLD	TOWER	1547



NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpocdc | kbna20r_18 (PROD) | 25 Jul 2012 06:21:18 | 1" = 8333.3 feet (MAP)

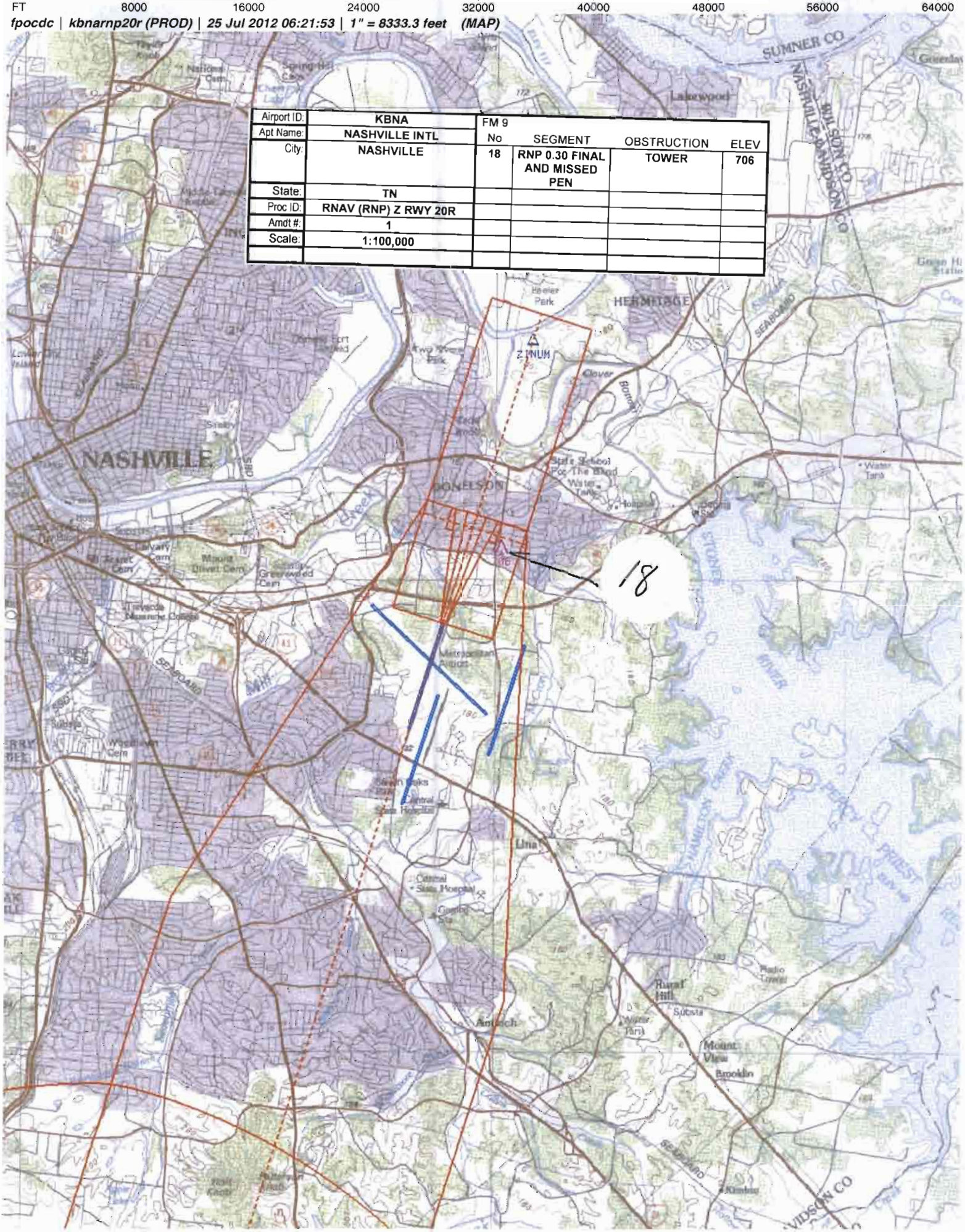


Airport ID:	KBNA	FM 9			
Apt Name:	NASHVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	NASHVILLE	17	RNP 0.18 FINAL	TREE	632
State:	TN	19	RNP 0.18 MISS PEN	ANTENNA	678
Proc ID:	RNAV (RNP) Z RWY 20R				
Amdt #:	1				
Scale:	1:100,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

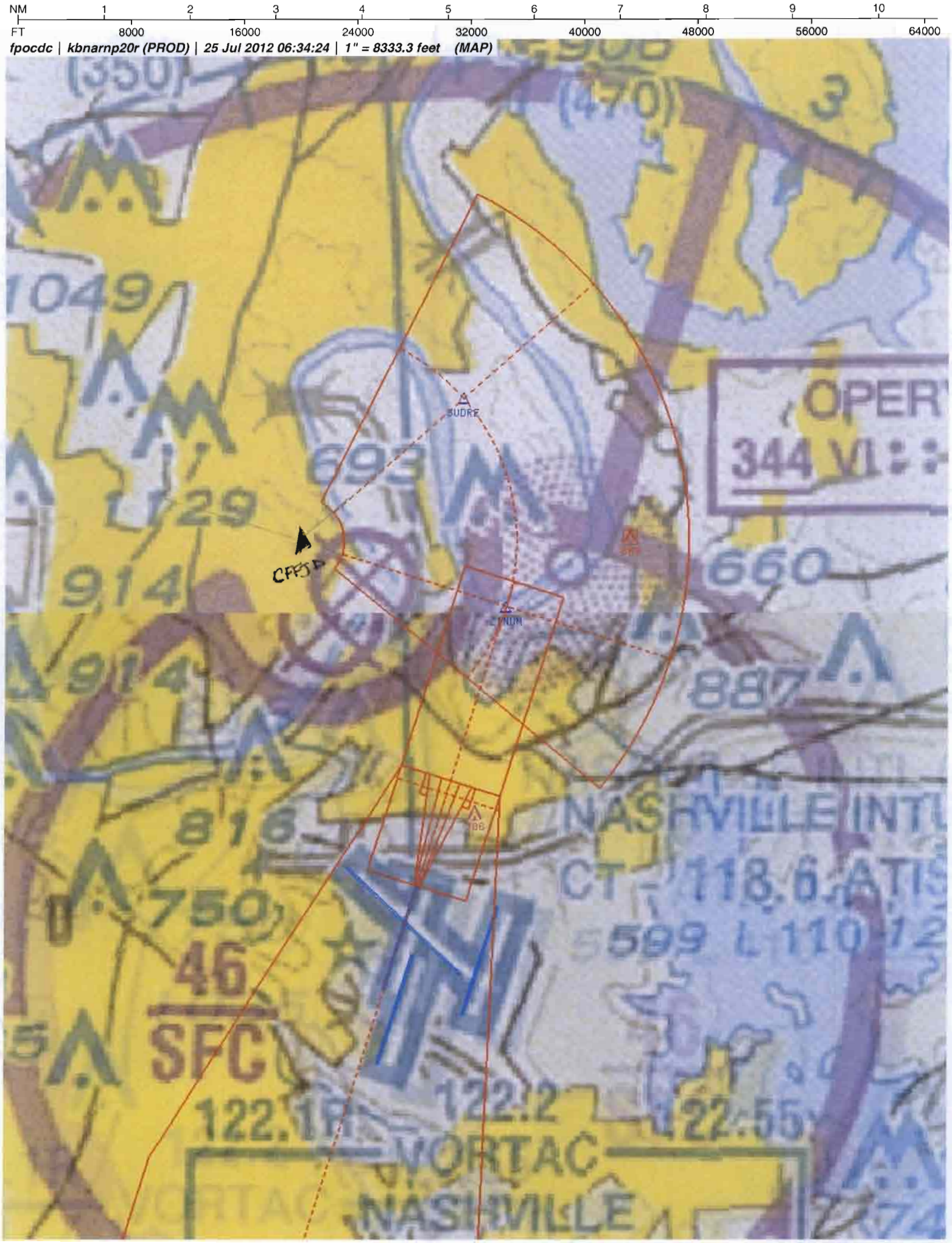
fpocdc | kbnarnp20r (PROD) | 25 Jul 2012 06:21:53 | 1" = 8333.3 feet (MAP)



Airport ID:	KBNA	FM 9			
Apt Name:	NASHVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	NASHVILLE	18	RNP 0.30 FINAL AND MISSED PEN	TOWER	706
State:	TN				
Proc ID:	RNAV (RNP) Z RWY 20R				
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 | kbnarnp20r (PROD) | 25 Jul 2012 06:38:45 | 1" = 8333.3 feet (MAP)
(350)
(470)
3
1049
ZEPET
OPER
344 VI
693
129
914
660
914
887
816
NASHVILLE INTL
CT 118.6 ATIS
750
599 L 110 12
46
SFC
122.1R
122.2
122.55
VORTAC
NASHVILLE

NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpocdc | kbnarnp20r (PROD) | 25 Jul 2012 06:37:10 | 1" = 8333.3 feet (MAP)
(350)
(470)
3
1049
693
129
914
914
816
750
46
SFC
122.1R
122.2
122.55
VORTAC
NASHVILLE
OPER
344 VI
660
887
CFFJD
NASHVILLE INTL
CT - 118.6 ATIS
599 L 110 12


NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpocdc | kbnarnp20r (PROD) | 25 Jul 2012 06:34:24 | 1" = 8333.3 feet (MAP)
(350)
(470)
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750
46
SFC
122.1R
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122.55
VORTAC
NASHVILLE
NASHVILLE INTL
CT 118.6 ATIS
599 L 110.12
OPER
344 VI

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
JOGLO (IF)	IDADE (TF) (FB) (RNP 1.00)	020.59 / 3.76	4000
IDADE	SUDRE (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFFJD))/5.28	2500
SUDRE	ZINUM (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFFJD))/2.57	1700
CULAR (IF)	SUDRE (TF) (FB) (RNP 1.00)	141.64 / 5.35	2500
HIKRY (IF)	ZEPET (TF) (FB) (RNP 1.00)	200.69 / 4.29	2500
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 3000 ON TRACK 200.65 TO RONLE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZINUM
3. FAC: 200.66 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ZINUM 1700
5. DIST TO THLD FROM OM: 3.41 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: ZINUM 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.9# 34:1 IS CLEAR
8. MSA FROM: RW20R 3100

ADDITIONAL FLIGHT DATA:
HOLD S, LT, 020.61 INBOUND.
CHART FAS OBST: 632 TREE 360854N/0864035W
CHART FAS OBST: 706 TOWER 360903N/0863953W
DISTANCE TO THLD FROM 354 HATH: 0.93 NM.
ROUTE TYPE QUALIFIER 2: S
#TCH 614.3 MSL (DO NOT CHART)
ROUTE TYPE QUALIFIER 1: F
CHART MANDATORY 5000 AT JOGLO.
CHART MANDATORY 5000 AT SIPPO.
CHART MANDATORY 4000 AT MESOE.
CHART MANDATORY 4000 AT CULAR.
ROUTE TYPE: A,H
CHART LOC RWY 20L
CHART MINIMUM 3000 AT HIKRY

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 0.18 DA	909	4500	354	909	4500	354	909	4500	354	909	4500	354			
RNP 0.30 DA	1026	6000	471	1026	6000	471	1026	6000	471	1026	6000	471			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT SIPPO : MAX 210 KIAS.
CHART PLANVIEW NOTE AT CULAR : MAX 210 KIAS.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 599 THRE: 555	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20R, 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: 06/25/2012

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

CHANGES:

1. REMOVED TANDS AND LENON TRANSITIONS AND ADDED NEW TRANSITIONS FROM JOGLO, SIPPO, MESOE, AND CULAR.
2. REMOVED RNP .18 CLIMB GRADIENT
3. RNP 0.18 DA/RVR/HATH WAS 918/5000/340, IS 909/4500/354
4. RNP 0.30 DA/HATH WAS 1022/444, IS 1026/471
5. CRITICAL TEMPS WERE -12C (11F) / 47C (118F), ARE -16(4F) / 54C (130F)

REASONS:

1. DESIGN REQUESTED BY USERS
2. OBSTACLE DRIVING CG WAS A CASE STUDY THAT IS NOW IN THE DATA BASE, NO CG REQUIRED (47-000439)
3/4. OBSTACLE DATA CHANGED BETWEEN CASE STUDY DATA AND ACTUAL SURVEYED DATA, MINS ADJUSTED ACCORDINGLY
5. HISTORICAL TEMPERATURE DATA IS CURRENTLY NOT AVAILABLE, STANDARD DEVIATION OF -30 APPLIED, FORMULA 4-3 FROM 8260.54A USED TO CALC AIRPORT ISA IN DEG CELSIUS

QUALITY & CHECKED

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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZEPET	ZINUM (TF) (FB) (RNP 1.00)	200.67 / 3.00	1700
MESOE (IF)	WEGMA (TF) (FB) (RNP 1.00)	251.23 / 7.82	2300
WEGMA	ZINUM (RF) (FB) (RNP 1.00)	(2.53 NM RADIUS CCW (CFFJG))/2.23	1700
SIPPO (IF)	WOKAP (TF) (FB) (RNP 1.00)	021.05 / 3.90	4000
WOKAP	WEVUT (RF) (FB) (RNP 1.00)	(2.40 NM RADIUS CCW (CFFJF))/3.76	2900
WEVUT	ZUGLI (TF) (FB) (RNP 1.00)	291.38 / 1.06	2700
ZUGLI	WEGMA (RF) (FB) (RNP 1.00)	(2.53 NM RADIUS CCW (CFFJG))/1.78	2300
ZINUM (FAF)	RW20R (MAP) (TF) (FO)	200.66 / 3.41	
RW20R (MAP)	RONLE (TF) (FO) (RNP 1.00)	200.65 / 13.08	3000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT JOGLO : MAX 210 KIAS.
CHART PLANVIEW NOTE AT MESOE : MAX 210 KIAS.
CHART PLANVIEW NOTE ADJACENT TO JOGLO: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO CULAR: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO MESOE: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO SIPPO: RF REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 20L.
CHART NOTE: FOR INOPERATIVE MALSF, INCREASE RNP 0.18 ALL CATS VISIBILITY TO RVR 6000 AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 MILES.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 599 THRE: 555	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20R, 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   CFFJD K70    W     N36121696W086422283                     W0034     NAR           CNF(CFFJD)
        SUSAEAENRT   CFFJF K70    W     N36103251W086351005                     W0035     NAR           CNF(CFFJF)
        SUSAEAENRT   CFFJG K70    W     N36104531W086362769                     W0035     NAR           CNF(CFFJG)
        SUSAEAENRT   CULAR K70    W     N36175756W086442582                     W0034     NAR           CULAR
        SUSAEAENRT   HIKRY K70    C     N36182881W086364200                     W0035     NAR           HIKRY
        SUSAEAENRT   IDADE K70    W     N36130237W086451951                     W0034     NAR           IDADE
        SUSAEAENRT   JOGLO K70    W     N36092676W086464387                     W0034     NAR           JOGLO
        SUSAEAENRT   MESOE K70    W     N36160075W086283931                     W0036     NAR           MESOE
        SUSAEAENRT   RONLE K70    W     N35554734W086453586                     W0034     NAR           RONLE
        SUSAEAENRT   SIPPO K70    W     N36060477W086335061                     W0035     NAR           SIPPO
        SUSAEAENRT   SUDRE K70    W     N36135609W086400355                     W0035     NAR           SUDRE
        SUSAEAENRT   WEGMA K70    W     N36130626W086373752                     W0035     NAR           WEGMA
        SUSAEAENRT   WEVUT K70    W     N36124936W086341396                     W0035     NAR           WEVUT
        SUSAEAENRT   WOKAP K70    W     N36094776W086322098                     W0036     NAR           WOKAP
        SUSAEAENRT   ZEPET K70    W     N36142316W086381871                     W0035     NAR           ZEPET
        SUSAEAENRT   ZINUM K70    W     N36113143W086392622                     W0035     NAR           ZINUM
        SUSAEAENRT   ZUGLI K70    W     N36130946W086352862                     W0035     NAR           ZUGLI

                 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 KBNAK7FH20RZ ACULAR 010CULARK7EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KBNAK7FH20RZ ACULAR 020SUDREK7EA0E    010TF                               + 02500                           A FS
        SUSAP KBNAK7FH20RZ ACULAR 030ZINUMK7EA0EE  R010RF       0025001416    20070026  + 01700                 CFFJD K7EAA FS
        SUSAP KBNAK7FH20RZ AHIKRY 010HIKRYK7EA0E  B    IF                               + 03000     18000                 A FS
        SUSAP KBNAK7FH20RZ AHIKRY 020ZEPETK7EA0E    010TF                               + 02500                           A FS
        SUSAP KBNAK7FH20RZ AHIKRY 030ZINUMK7EA0EE   010TF                               + 01700                           A FS
        SUSAP KBNAK7FH20RZ AJOGLO 010JOGLOK7EA0E  B    IF                                  05000     18000210              A-FS
        SUSAP KBNAK7FH20RZ AJOGLO 020IDADEK7EA0E    010TF                               + 04000                           A FS
        SUSAP KBNAK7FH20RZ AJOGLO 030SUDREK7EA0E   R010RF       0025000206    14160053  + 02500                 CFFJD K7EAA FS
        SUSAP KBNAK7FH20RZ AJOGLO 040ZINUMK7EA0EE  R010RF       0025001416    20070026  + 01700                 CFFJD K7EAA FS
        SUSAP KBNAK7FH20RZ AMESOE 010MESOEK7EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KBNAK7FH20RZ AMESOE 020WEGMAK7EA0E    010TF                               + 02300                           A FS
        SUSAP KBNAK7FH20RZ AMESOE 030ZINUMK7EA0EE  L010RF       0025302512    20070022  + 01700                 CFFJG K7EAA FS
        SUSAP KBNAK7FH20RZ ASIPPO 010SIPPOK7EA0E  B    IF                                  05000     18000210              A-FS
        SUSAP KBNAK7FH20RZ ASIPPO 020WOKAPK7EA0E    010TF                               + 04000                           A FS
```

CITY AND STATE	ELEVATION: 599 THRE: 555	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20R, 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 KBNAK7FH20RZ ASIPPO 030WEVUTK7EA0E   L010RF       0024000211    29140038    + 02900                CFFJF K7EAA FS
SUSAP KBNAK7FH20RZ ASIPPO 040ZUGLIK7EA0E    010TF                                  + 02700                     A FS
SUSAP KBNAK7FH20RZ ASIPPO 050WEGMAK7EA0E   L010RF       0025302914    25120018    + 02300                CFFJG K7EAA FS
SUSAP KBNAK7FH20RZ ASIPPO 060ZINUMK7EA0EE  L010RF       0025302512    20070022    + 01700                CFFJG K7EAA FS
SUSAP KBNAK7FH20RZ H      020ZINUMK7EA1E  F    IF                                  + 01700     18000      RW20R K7PGA FS
SUSAP KBNAK7FH20RZ H      020ZINUMK7EA2W                                                A031A182                   FS
SUSAP KBNAK7FH20RZ H      030RW20RK7PG0GY M 031TF                                     00614            -300      A FS
SUSAP KBNAK7FH20RZ H      040RONLEK7EA0EYM  010TF                                  + 03000                     A FS
SUSAP KBNAK7FH20RZ H      050RONLEK7EA0EE  L   HM                    02060040    + 03000                     A FS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBNAK7GRW20R   0077032007 N36081623W086404284+0600    +014010055500005915 0IIVIY1
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBNAK7SRW20RK7PG                0   18018003125                                                                        M
```

CITY AND STATE	ELEVATION: 599 THRE: 555	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20R, 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:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR 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.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CULAR	CULAR	010		IF		FB				AT 04000	AB 210
	CULAR	SUDRE	020		TF		FB	1.0			AA 02500	
	CULAR	ZINUM	030		RF	R	FB	1.0		002.6	AA 01700	
	HIKRY	HIKRY	010		IF		FB				AA 03000	
	HIKRY	ZEPET	020		TF		FB	1.0			AA 02500	
	HIKRY	ZINUM	030		TF		FB	1.0			AA 01700	
	JOGLO	JOGLO	010		IF		FB				AT 05000	AB 210
	JOGLO	IDADE	020		TF		FB	1.0			AA 04000	
	JOGLO	SUDRE	030		RF	R	FB	1.0		005.3	AA 02500	
	JOGLO	ZINUM	040		RF	R	FB	1.0		002.6	AA 01700	
	MESOE	MESOE	010		IF		FB				AT 04000	AB 210
	MESOE	WEGMA	020		TF		FB	1.0			AA 02300	
	MESOE	ZINUM	030		RF	L	FB	1.0		002.2	AA 01700	
	SIPPO	SIPPO	010		IF		FB				AT 05000	AB 210
	SIPPO	WOKAP	020		TF		FB	1.0			AA 04000	
	SIPPO	WEVUT	030		RF	L	FB	1.0		003.8	AA 02900	
	SIPPO	ZUGLI	040		TF		FB	1.0			AA 02700	
	SIPPO	WEGMA	050		RF	L	FB	1.0		001.8	AA 02300	
	SIPPO	ZINUM	060		RF	L	FB	1.0		002.2	AA 01700	
		ZINUM	020	FAF	IF		FB				AA 01700	
		RW20R	030	MAP	TF		FO	0.3			AT 00614	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RONLE	040		TF		FO	1.0			AA 03000	
	RONLE	050		HM	L	FO		020.6(017.6T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CFFJD	N361216.96	W0864222.83	N3612.283	W08642.381
	CFFJF	N361032.51	W0863510.05	N3610.542	W08635.168
	CFFJG	N361045.31	W0863627.69	N3610.755	W08636.462
	CULAR	N361757.56	W0864425.82	N3617.959	W08644.430
	HIKRY	N361828.81	W0863642.00	N3618.480	W08636.700
	IDADE	N361302.37	W0864519.51	N3613.040	W08645.325
	JOGLO	N360926.76	W0864643.87	N3609.446	W08646.731
	MESOE	N361600.75	W0862839.31	N3616.013	W08628.655
	RONLE	N355547.34	W0864535.86	N3555.789	W08645.598
	SIPPO	N360604.77	W0863350.61	N3606.080	W08633.844
	SUDRE	N361356.09	W0864003.55	N3613.935	W08640.059
	WEGMA	N361306.26	W0863737.52	N3613.104	W08637.625
	WEVUT	N361249.36	W0863413.96	N3612.823	W08634.233

CITY AND STATE	ELEVATION: 599 THRE: 555	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20R, 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.

WOKAP	N360947.76	W0863220.98	N3609.796	W08632.350
ZEPET	N361423.16	W0863818.71	N3614.386	W08638.312
ZINUM	N361131.43	W0863926.22	N3611.524	W08639.437
ZUGLI	N361309.46	W0863528.62	N3613.158	W08635.477
RW20R	N360816.23	W0864042.84	N3608.271	W08640.714

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW20R	00555	59

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 1.00)	JOGLO	IDADE	1. TOWER (47-001682)	361320.00N/0864438.00W	1129 (2C)	500	AC20 AT2351	4000
			2. TERRAIN	361300.00N/0864506.00W	703 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	IDADE	SUDRE	1. TOWER (47-001682)	361320.00N/0864438.00W	1129 (2C)	500	AC20 AT851	2500
STEPDOWN			3. TERRAIN	361442.00N/0864512.00W	808 (800)		AS1500	2300
INTERMEDIATE: (RNP 1.00)	SUDRE	ZINUM	4. AAO	361215.00N/0863739.00W	791 (4E)	500	AC98 AT311	1700
STEPDOWN			5. TERRAIN	361218.00N/0863739.00W	591 (600)		AS1000	1600
INTERMEDIATE: (RNP 1.00)	CULAR	SUDRE	6. TOWER (47-001855)	361750.00N/0864511.00W	1149 (5E)	500	AC125 AT726	2500
			7. TERRAIN	361527.00N/0864436.00W	745 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	HIKRY	ZEPET	8. AAO	361848.00N/0863818.00W	847 (4E)	500	AC98 AT1055	2500
			9. TERRAIN	361848.00N/0863818.00W	647 (600)		AS1500	2100
INTERMEDIATE: (RNP 1.00)	ZEPET	ZINUM	4. AAO	361215.00N/0863739.00W	791 (4E)	500	AC98 AT311	1700
STEPDOWN			5. TERRAIN	361218.00N/0863739.00W	591 (600)		AS1000	1600
INTERMEDIATE: (RNP 1.00)	MESOE	WEGMA	10. AAO	361257.00N/0863333.00W	903 (4E)	500	AC98 AT799	2300
			11. TERRAIN	361257.00N/0863333.00W	703 (700)		AS1500	2200

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: RW20R

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (47-000119)	237/ 09.2	2049 (4D)	3100					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
NASHVILLE, TN	ELEVATION: 599 AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20R, AMDT 1	ASO

CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
BNA APP CON BNA TOWER		N W S	OTHER: ASOS	SOURCE: KBNA
		F A A		DISTANCE:
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION:
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: 555.4
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 58.9

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

10. WAIVERS: NONE

PART D - PREPARED BY: CHRISTOPHER COX	DATE: 06/25/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

MAX SPEED WEGMA TO ZINUM - 210 KIAS.

MAX SPEED IDADE TO SUDRE - 210 KIAS.

MAX SPEED SUDRE TO ZINUM - 210 KIAS.

ACT BASED ON STANDARD (-30 C) ISA DEVIATION; ACT: -16

VDP NOT ESTABLISHED - PROCEDURE IS RNP.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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

RFSEGMENT ALT KIAS KTAS HAA
VKTW TR BA
SUDRE-ZINUM 2500 210.00 220.50 1901.00 30.00 2.50
20.11
IDADE-SUDRE 4000 210.00 226.80 3401.00 54.00 2.50
24.71

WEGMA-ZINUM 2300 210.00 219.66 1701.00 30.00 2.53
19.78
ZUGLI-WIGMA 2700 210.00 221.34 2101.00 52.00
2.53 23.33
WOKAP-WEVUT 3905 210.00 226.40 3306.00 53.06
2.40NM 25.40

SEE ATTACHED AIRSPACE LETTER.

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

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.

MANDATORY ALTITUDES REQUIRED BY ATC

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

AVERAGE COLD TEMPERATURE SOURCE UNAVAILABLE AT THE TIME OF DEVELOPMENT

RW 20R VGSI DATA: 76.7/3.00

APPLIED MEMO DATED FEB 02, 2012: PERFORMANCE BASED NAVIGATION (PBN) INSTRUMENT PROCEDURE MINIMUM SEGMENT LENGTH STANDARD TO TF BETWEEN WEVUT AND ZUGLI (1.06NM)

APPLIED 6/18/2012 BANK ANGLE ROUNDING EMAIL TO WOKAP RF.

QUALITY 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)	WEGMA	ZINUM	12. TOWER (47-001470)	361029.90N/0864008.80W	846 (5D)	500	AC50 AT304	1700
STEPDOWN			5. TERRAIN	361218.00N/0863739.00W	591 (600)		AS1000	1600
INTERMEDIATE: (RNP 1.00)	SIPPO	WOKAP	13. AAO	360939.00N/0863327.00W	880 (4E)	500	AC98 AT2522	4000
			14. TERRAIN	360939.00N/0863327.00W	680 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	WOKAP	WEVUT	10. AAO	361257.00N/0863333.00W	903 (4E)	500	AC98 AT1399	2900
STEPDOWN			11. TERRAIN	361257.00N/0863333.00W	703 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	WEVUT	ZUGLI	10. AAO	361257.00N/0863333.00W	903 (4E)	500	AC98 AT1199	2700
STEPDOWN			11. TERRAIN	361257.00N/0863333.00W	703 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	ZUGLI	WEGMA	15. AAO	361321.00N/0863339.00W	873 (4E)	500	AC98 AT829	2300
STEPDOWN			16. TERRAIN	361418.00N/0863454.00W	591 (600)		AS1500	2100
FINAL: (RNP 0.18)	ZINUM	RW20R	17. TREE (KBNA0045)	360853.65N/0864035.47W	632 (1A)	21.71:1	AC3 MA56	909/354
FINAL: (RNP 0.30)	ZINUM	RW20R	18. TOWER (47-002563)	360903.10N/0863952.50W	706 (2C)	21.69:1	AC20 MA20	1026/471
MISSED APPROACH	DA	RW20R (40:1)	19. ANT (KBNA0148)	360836.86N/0864003.48W	678 (1A)	ASC	AC3	
(RNP 0.18-1.00)								

3. MISSED APPROACH								
	MAP:							
	ELEV:							

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.	
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL
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 20R, 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:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
MISSED APPROACH	DA	RW20R (40:1)	18. TOWER (47-002563)	360903.10N/0863952.50W	706 (2C)	ASC	AC20	
(RNP 0.30-1.00)								
MISSED APPROACH	RW20R	RONLE (40:1)				ASC		
(RNP 0.18-1.00)								
MISSED APPROACH	RW20R	RONLE (40:1)				ASC		
(RNP 0.30-1.00)								

3. MISSED APPROACH									
	MAP:	DA / DA	RONLE				ASC		3000
				20. AAO	355515.00N/0864318.00W	1375 (4E)	1000	AC98	2500
	ELEV:	640/700		21. TERRAIN	355515.00N/0864318.00W	1175 (1200)		AS1500	2700

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

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

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

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
NASHVILLE, TN	ELEVATION: 599 AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20R, 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
		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.

RADIO FIX AND HOLDING DATA RECORD

NAME: CFFJD **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361216.96N/0864222.83W **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 20R			KBNA	NASHVILLE	TN (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/25/2012 **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: CFFJF **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361032.51N/0863510.05W **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 20R			KBNA	NASHVILLE	TN (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/25/2012 **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: CFFJG **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361045.31N/0863627.69W **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 20R			KBNA	NASHVILLE	TN (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/25/2012 **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: CULAR **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361757.56N/0864425.82W **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 20L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20R			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:** 06/22/2012 **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

RADIO FIX AND HOLDING DATA RECORD

NAME: IDADE **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361302.37N/0864519.51W **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 20L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20R			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/22/2012 **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: JOGLO **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360926.76N/0864643.87W **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 20L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20R			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:** 06/22/2012 **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: MESOE **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361600.75N/0862839.31W **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 20L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20R			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:** 06/22/2012 **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: SIPPO **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360604.77N/0863350.61W **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 20L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20R			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:** 06/22/2012 **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: SUDRE **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361356.09N/0864003.55W **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 20R			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/25/2012 **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: WEGMA **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361306.26N/0863737.52W **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 20R			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/25/2012 **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: WEVUT **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361249.36N/0863413.96W **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 20R			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/25/2012 **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: WOKAP **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360947.76N/0863220.98W **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 20L			KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20R			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/22/2012 **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 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEPET **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361423.16N/0863818.71W **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 20R			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/25/2012 **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: ZINUM **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361131.43N/0863926.22W **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 20R			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/25/2012 **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

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 20R** AMDT: **1**

DOCKET#: **NOT REQUIRED**
(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 **3.41**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **197.66**
4. High Terrain in **FINAL** segment containing 1000' point **722**
5. Distance from **THLD** to 1500' point **4.62**
   (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 **591**
9. Threshold Coordinates (if straight-in) ... **360816.23N / 0864042.84W**
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 ..... **361131.43N / 0863926.22W**

REMARKS: Approach/Drawing attached.

***1500 FT POINT OCCURS IN RF SEGMENT**

RF: CFFJD 361216.96N/0864222.83W

THIS AIRSPACE EVALUATION IS FOR THE INTERMEDIATE SD SEGMENT BETWEEN SUDRE AND ZINUM (PFAF)

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 20R** AMDT: **1**

DOCKET#: **NOT REQUIRED**
(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 **3.41**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **197.66**
4. High Terrain in **FINAL** segment containing 1000' point **722**
5. Distance from **THLD** to 1500' point **5.03**
   (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 **591**
9. Threshold Coordinates (if straight-in) ... **360816.23N** / **0864042.84W**
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 ..... **361131.43N** / **0863926.22W**

REMARKS: Approach/Drawing attached.

***1500 FT POINT OCCURS IN RF SEGMENT**

RF: CFFJG 361045.31N/0863627.69W

THIS AIRSPACE EVALUATION IS FOR THE INTERMEDIATE SD SEGMENT BETWEEN WEGMA AND ZINUM (PFAF)

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 20R** AMDT: **1**

DOCKET#: **NOT REQUIRED**
(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 **3.41**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **197.66**
4. High Terrain in **FINAL** segment containing 1000' point **722**
5. Distance from **THLD** to 1500' point **5.05**
   (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 **197.67**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **591**
9. Threshold Coordinates (if straight-in) ... **360816.23N** / **0864042.84W**
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 ..... **361131.43N** / **0863926.22W**

REMARKS: Approach/Drawing attached.

THIS AIRSPACE EVALUATION IS FOR THE INTERMEDIATE SD SEGMENT BETWEEN ZEPET AND ZINUM (PFAF)

KBNA
RNAV (RNP) Z RWY 20R
WEGMA TO PFAF
(OBS # 12 W/500' 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 OCS Origin & Slope

Intermediate Segment Altitude:	1700
LTP Elevation:	555.4
Glidepath Angle:	3
TCH:	58.9
RNP Value:	0.30
Δ ISA:	-30
Straight In Segment	
(*Wingspan =<262*) LTP to Origin:	**3,763.09'**
(*Wingspan =<136*) LTP to Origin:	**3,546.15'**
OCS Slope Ratio:	**21.69 : 1**
RF Turn Segment | Bank angle:	**19.46°**
(*Wingspan =<262*) LTP to Origin:	**4,167.51'**
(*Wingspan =<136*) LTP to Origin:	**3,712.20'**
OCS Slope Ratio:	**21.69 : 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	555.40
TCH (ft)	58.90
OCS Slope	21.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,763.09
Obstacle Distance (ft) *(measured along-track from LTP)*	14,227.00
VEB ROC *(at obstacle)*	**324**
Glidepath MSL altitude at Obstacle	1,364.76
OCS MSL altitude at Obstacle	1,040.45

KBNA
RNAV (RNP) Z RWY 20R
SUDRE 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"**

Latitude/Longitude valid for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	1700
LTP Elevation:	555.4
Glidepath Angle:	3
TCH:	58.9
RNP Value:	0.30
Δ ISA:	-30

Straight In Segment

***(Wingspan =<262)* LTP to Origin:**	**3,763.09'**
***(Wingspan =<136)* LTP to Origin:**	**3,546.15'**
OCS Slope Ratio:	**21.69 : 1**

RF Turn Segment | Bank angle:	**19.46°**
***(Wingspan =<262)* LTP to Origin:**	**4,167.51'**
***(Wingspan =<136)* LTP to Origin:**	**3,712.20'**
OCS Slope Ratio:	**21.69 : 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	555.40
TCH (ft)	58.90
OCS Slope	21.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,763.09
Obstacle Distance (ft) *(measured along-track from LTP)*	25,517.12
VEB ROC *(at obstacle)*	**398**
Glidepath MSL altitude at Obstacle	1,967.20
OCS MSL altitude at Obstacle	1,569.69

KBNA
RNAV (RNP) Z RWY 20R
ZEPET TO PFAF
(OBS # 4 W/500' 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 OCS Origin & Slope

Intermediate Segment Altitude:	1700
LTP Elevation:	555.4
Glidepath Angle:	3
TCH:	58.9
RNP Value:	0.30
Δ ISA:	-30

Straight In Segment

(*Wingspan =<262*) LTP to Origin:	**3,763.09'**
(*Wingspan =<136*) LTP to Origin:	**3,546.15'**
OCS Slope Ratio:	**21.69 : 1**

RF Turn Segment | Bank angle:	**19.46°**
(*Wingspan =<262*) LTP to Origin:	**4,167.51'**
(*Wingspan =<136*) LTP to Origin:	**3,712.20'**
OCS Slope Ratio:	**21.69 : 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	555.40
TCH (ft)	58.90
OCS Slope	21.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,763.09
Obstacle Distance (ft) *(measured along-track from LTP)*	27,831.00
VEB ROC *(at obstacle)*	**413**
Glidepath MSL altitude at Obstacle	2,091.42
OCS MSL altitude at Obstacle	1,678.91