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	WUNOG (RF) (FB) (RNP 1.00)	(2.48 NM RADIUS CW (CFFJC))/3.89	2900
WUNOG	HERIR (TF) (FB) (RNP 1.00)	110.64 / 1.18	2600
HERIR	CUNSU (RF) (FB) (RNP 1.00)	(2.33 NM RADIUS CW (CFFJB))/1.06	2300
CULAR (IF)	CUNSU (TF) (FB) (RNP 1.00)	136.51 / 6.09	2300
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 3000 ON TRACK 201.00 TO ATKNS AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT YUBUG
3. FAC: 201.01 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: YUBUG 1700
5. DIST TO THLD FROM OM: 3.50 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: YUBUG 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 46.6# 34:1 IS NOT CLEAR
8. MSA FROM: RW20L 3100

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 020.94 INBOUND.
CHART FAS OBST: 706 TOWER 360903N/0863953W
DISTANCE TO THLD FROM 310 HATH: 0.80 NM.
ROUTE TYPE: A,H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
#TCH 586.5 MSL (DO NOT CHART)
CHART MINIMUM 3000 AT WAYLN
CHART MANDATORY 5000 AT JOGLO
CHART MANDATORY 5000 AT SIPPO
CHART MANDATORY 4000 AT CULAR
CHART MANDATORY 4000 AT MESOE
CHART LOC RWY 20R

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	847	4000	307	847	4000	307	847	4000	307	847	4000	307			
RNP 0.30 DA	1015	6000	475	1015	6000	475	1015	6000	475	1015	6000	475			

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

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 599 THRE: 540 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NASHVILLE, TN	NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20L, 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, NASHVILLE APP CON, BNA ATCT, APT MGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: CHRISTOPHER COX	FIFO AJV-352	DATE: 06/21/2012

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

CHANGES:

1. REMOVED RNP 0.20 CLIMB GRADIENT AND LOWERED DA / HATH FROM 901/350 TO 847/307.
2. RNP 0.30 DA/HATH WAS 1011/460, IS 1015/475
3. REMOVED TANDS AND LENON TRANSITIONS AND ADDED NEW TRANSITIONS FROM JOGLO, SIPPO, MESOE, AND CULAR.
4. INTERMEDIATE RNP WAS 0.50, IS 1.00
5. FAF WAS JUUDD, IS YUBUG
6. FAF ALTITUDE WAS 2000, IS NOW 1700
7. ADDED MALSR INOP NOTE
8. CRITICAL TEMPS WERE -12C (11F) / 47C (117F), ARE -16(4F) / 54C (130F)

REASONS:

1. ANTENNA FROM PREVIOUS AMENDMENT CAUSING CG WAS A CASE STUDY AND IS NOW A PHYSICAL DATA BASE OBSTACLE WITH A 1/A ACCURACY VICE THE 4/D FROM BEFORE.
2. HATH CHANGES RESULTS IN PART FROM THE DA HEIGHT BEING REFERENCED FROM THE THRESHOLD WHICH IS 540 MSL VICE REFERENCING THE HEIGHT FROM THE 551 TDZE. THE DA CHANGES IS DUE TO THE LOCATION DIFFERENCE FROM 2009 SURVEY VALUES AND CURRENT VALUES OF THE RNP 0.30 CONTROLLING OBSTACLE.
3. DESIGN REQUESTED BY USERS
4. MINIMUM SEGMENT LENGTH RESULTING FROM DTA (DISTANCE OF TURN ANTICIPATION) IS NO LONGER AN ISSUE FROM LENON WHICH IS WHY RNP 0.50 WAS APPLIED BEFORE.
5. JUUDD IS A SHARED FIX AND THE FAF RELOCATION WAS NECESSARY SO A NEW FIX NAME WAS SELECTED.
6. DESIGN REQUESTED BY USERS
7. VISIBILITY INCREASES WITHOUT APPROACH LIGHTING
8. 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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUNSU	YUBUG (RF) (FB) (RNP 1.00)	(2.33 NM RADIUS CW (CFFJB))/2.62	1700
WAYLN (IF)	HILOS (TF) (FB) (RNP 1.00)	201.04 / 4.17	2500
HILOS	YUBUG (TF) (FB) (RNP 1.00)	201.03 / 3.00	1700
SIPPO (IF)	WOKAP (TF) (FB) (RNP 1.00)	021.05 / 3.90	4000
WOKAP	RUDOY (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFFJH))/5.86	2300
MESOE (IF)	RUDOY (TF) (FB) (RNP 1.00)	246.79 / 7.21	2300
RUDOY	YUBUG (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFFJH))/1.99	1700
YUBUG (FAF)	RW20L (MAP) (TF) (FO)	201.01 / 3.50	
RW20L (MAP)	ATKNS (TF) (FO) (RNP 1.00)	201.00 / 14.89	3000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT CULAR : MAX 210 KIAS.
CHART PLANVIEW NOTE AT JOGLO : MAX 210 KIAS.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.20 ALL CATS VISIBILITY TO RVR 5000 AND RNP 0.30 ALL CATS VISIBILITY TO 1 5/8 MILES.
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 20R.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE ADJACENT TO JOGLO: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO MESOE: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO CULAR: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO SIPPO: RF REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED

QUALITY CHECKED

CITY AND STATE	ELEVATION: 599 THRE: 540	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20L, 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:

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ARINC PACKET - 424-18 - RNAV (RNP)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATKNS K70    C     N35535003W086451308                    W0034     NAR           ATKNS
        SUSAEAENRT   CFFJB K70    W     N36120413W086405779                    W0034     NAR           CNF(CFFJB)
        SUSAEAENRT   CFFJC K70    W     N36121739W086422445                    W0034     NAR           CNF(CFFJC)
        SUSAEAENRT   CFFJH K70    W     N36103434W086351711                    W0035     NAR           CNF(CFFJH)
        SUSAEAENRT   CULAR K70    W     N36175756W086442582                    W0034     NAR           CULAR
        SUSAEAENRT   CUNSU K70    W     N36134567W086385853                    W0035     NAR           CUNSU
        SUSAEAENRT   HERIR K70    W     N36141770W086400531                    W0035     NAR           HERIR
        SUSAEAENRT   HILOS K70    W     N36141215W086370453                    W0035     NAR           HILOS
        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   RUDOY K70    W     N36124899W086363924                    W0035     NAR           RUDOY
        SUSAEAENRT   SIPPO K70    W     N36060477W086335061                    W0035     NAR           SIPPO
        SUSAEAENRT   WAYLN K70    C     N36181044W086352874                    W0035     NAR           WAYLN
        SUSAEAENRT   WOKAP K70    W     N36094776W086322098                    W0036     NAR           WOKAP
        SUSAEAENRT   WUNOG K70    W     N36143922W086412880                    W0034     NAR           WUNOG
        SUSAEAENRT   YUBUG K70    W     N36112082W086381331                    W0035     NAR           YUBUG

                 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 KBNAK7FH20LZ ACULAR 010CULARK7EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KBNAK7FH20LZ ACULAR 020CUNSUK7EA0E    010TF                                + 02300                           A FS
        SUSAP KBNAK7FH20LZ ACULAR 030YUBUGK7EA0EE  R010RF       0023301365    20100026   + 01700                CFFJB K7EAA FS
        SUSAP KBNAK7FH20LZ AJOGLO 010JOGLOK7EA0E  B    IF                                  05000     18000210              A-FS
        SUSAP KBNAK7FH20LZ AJOGLO 020IDADEK7EA0E    010TF                                + 04000                           A FS
        SUSAP KBNAK7FH20LZ AJOGLO 030WUNOGK7EA0E   R010RF       0024800206    11060039   + 02900                CFFJC K7EAA FS
        SUSAP KBNAK7FH20LZ AJOGLO 040HERIRK7EA0E    010TF                                + 02600                           A FS
        SUSAP KBNAK7FH20LZ AJOGLO 050CUNSUK7EA0E   R010RF       0023301106    13650011   + 02300                CFFJB K7EAA FS
        SUSAP KBNAK7FH20LZ AJOGLO 060YUBUGK7EA0EE  R010RF       0023301365    20100026   + 01700                CFFJB K7EAA FS
        SUSAP KBNAK7FH20LZ AMESOE 010MESOEK7EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KBNAK7FH20LZ AMESOE 020RUDOYK7EA0E    010TF                                + 02300                           A FS
        SUSAP KBNAK7FH20LZ AMESOE 030YUBUGK7EA0EE  L010RF       0025002468    20100020   + 01700                CFFJH K7EAA FS
        SUSAP KBNAK7FH20LZ ASIPPO 010SIPPOK7EA0E  B    IF                                  05000     18000210              A-FS
        SUSAP KBNAK7FH20LZ ASIPPO 020WOKAPK7EA0E    010TF                                + 04000                           A FS
        SUSAP KBNAK7FH20LZ ASIPPO 030RUDOYK7EA0E   L010RF       0025000211    24680059   + 02300                CFFJH K7EAA FS
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CITY AND STATE	ELEVATION: 599 THRE: 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20L, 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:

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SUSAP KBNAK7FH20LZ ASIPPO 040YUBUGK7EA0EE  L010RF       0025002468    20100020    + 01700                 CFFJH K7EAA FS
SUSAP KBNAK7FH20LZ AWAYLN 010WAYLNK7EA0E  B    IF                                  + 03000     18000                A FS
SUSAP KBNAK7FH20LZ AWAYLN 020HILOSK7EA0E    010TF                                   + 02500                          A FS
SUSAP KBNAK7FH20LZ AWAYLN 030YUBUGK7EA0EE   010TF                                   + 01700                          A FS
SUSAP KBNAK7FH20LZ H      020YUBUGK7EA1E  F    IF                                   + 01700     18000       RW20L K7PGA FS
SUSAP KBNAK7FH20LZ H      020YUBUGK7EA2W                                                A031A021                       FS
SUSAP KBNAK7FH20LZ H      030RW20LK7PG0GY M 031TF                                     00587             -300          A FS
SUSAP KBNAK7FH20LZ H      040ATKNSK7EA0EYM  010TF                                   + 03000                          A FS
SUSAP KBNAK7FH20LZ H      050ATKNSK7EA0EE  R   HM                     02090040    + 03000                          A FS
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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBNAK7GRW20L   0080002010 N36080101W086393340+0600    +013530054000004715 0IISSX1
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                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBNAK7SRW20LK7PG               0   18018003125                                                                          M
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CITY AND STATE	ELEVATION: 599 THRE: 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20L, 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:

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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	CUNSU	020		TF		FB	1.0			AA 02300	
	CULAR	YUBUG	030		RF	R	FB	1.0		002.6	AA 01700	
	JOGLO	JOGLO	010		IF		FB				AT 05000	AB 210
	JOGLO	IDADE	020		TF		FB	1.0			AA 04000	
	JOGLO	WUNOG	030		RF	R	FB	1.0		003.9	AA 02900	
	JOGLO	HERIR	040		TF		FB	1.0			AA 02600	
	JOGLO	CUNSU	050		RF	R	FB	1.0		001.1	AA 02300	
	JOGLO	YUBUG	060		RF	R	FB	1.0		002.6	AA 01700	
	MESOE	MESOE	010		IF		FB				AT 04000	AB 210
	MESOE	RUDOY	020		TF		FB	1.0			AA 02300	
	MESOE	YUBUG	030		RF	L	FB	1.0		002.0	AA 01700	
	SIPPO	SIPPO	010		IF		FB				AT 05000	AB 210
	SIPPO	WOKAP	020		TF		FB	1.0			AA 04000	
	SIPPO	RUDOY	030		RF	L	FB	1.0		005.9	AA 02300	
	SIPPO	YUBUG	040		RF	L	FB	1.0		002.0	AA 01700	
	WAYLN	WAYLN	010		IF		FB				AA 03000	
	WAYLN	HILOS	020		TF		FB	1.0			AA 02500	
	WAYLN	YUBUG	030		TF		FB	1.0			AA 01700	
		YUBUG	020	FAF	IF		FB				AA 01700	
		RW20L	030	MAP	TF		FO	0.3			AT 00587	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ATKNS	040		TF		FO	1.0			AA 03000	
	ATKNS	050		HM	R	FO		020.9(017.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATKNS	N355350.03	W0864513.08	N3553.834	W08645.218
	CFFJB	N361204.13	W0864057.79	N3612.069	W08640.963
	CFFJC	N361217.39	W0864224.45	N3612.290	W08642.408
	CFFJH	N361034.34	W0863517.11	N3610.572	W08635.285
	CULAR	N361757.56	W0864425.82	N3617.959	W08644.430
	CUNSU	N361345.67	W0863858.53	N3613.761	W08638.976
	HERIR	N361417.70	W0864005.31	N3614.295	W08640.089
	HILOS	N361412.15	W0863704.53	N3614.203	W08637.076
	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
	RUDOY	N361248.99	W0863639.24	N3612.817	W08636.654
	SIPPO	N360604.77	W0863350.61	N3606.080	W08633.844

CITY AND STATE	ELEVATION: 599 THRE: 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20L, 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:

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WAYLN	N361810.44	W0863528.74	N3618.174	W08635.479
WOKAP	N360947.76	W0863220.98	N3609.796	W08632.350
WUNOG	N361439.22	W0864128.80	N3614.654	W08641.480
YUBUG	N361120.82	W0863813.31	N3611.347	W08638.222
RW20L	N360801.01	W0863933.40	N3608.017	W08639.557

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW20L	00540	47

CITY AND STATE	ELEVATION: 599 THRE: 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NASHVILLE, TN	AIRPORT NAME: NASHVILLE INTL	RNAV	RNAV (RNP) Z RWY 20L, 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:

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	WUNOG	1. TOWER (47-001682)	361320.00N/0864438.00W	1129 (2C)	500	AC20 AT1251	2900
STEPDOWN			3. TERRAIN	361442.00N/0864512.00W	808 (800)		AS1500	2300
INTERMEDIATE: (RNP 1.00)	WUNOG	HERIR	4. AAO	361557.00N/0863848.00W	784 (4E)	500	AC98 AT1218	2600
STEPDOWN			5. TERRAIN	361524.00N/0864100.00W	562 (600)		AS1500	2100
INTERMEDIATE: (RNP 1.00)	HERIR	CUNSU	4. AAO	361557.00N/0863848.00W	784 (4E)	500	AC98 AT918	2300
STEPDOWN			6. TERRAIN	361557.00N/0863848.00W	584 (600)		AS1500	2100
INTERMEDIATE: (RNP 1.00)	CULAR	CUNSU	7. TOWER (47-001855)	361750.00N/0864511.00W	1149 (5E)	500	AC125 AT526	2300
			8. TERRAIN	361527.00N/0864436.00W	745 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	CUNSU	YUBUG	9. AAO	361215.00N/0863739.00W	791 (4E)	500	AC98 AT311	1700
STEPDOWN			10. TERRAIN	361218.00N/0863739.00W	591 (600)		AS1000	1600
INTERMEDIATE: (RNP 1.00)	WAYLN	YUBUG	11. AAO	361733.00N/0863518.00W	840 (4E)	500	AC98 AT1062	2500
			12. TERRAIN	361736.00N/0863521.00W	640 (600)		AS1500	2100
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:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (47-000119)	241/09.8	2049 (4D)	3100					

QUALITY CHECKED 4

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

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: 539.9
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 46.6
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: 06/21/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

MAX SPEED CUNSU TO YUBUG - 210 KIAS.

MAX SPEED IDADE TO WUNOG - 210 KIAS.

MAX SPEED WOKAP TO RUDOY - 210 KIAS.

MAX SPEED RUDOY TO YUBUG - 210 KIAS.

VDP NOT ESTABLISHED - RNP.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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

NO VGSI INSTALLED

MANDATORY ALTITUDES REQUIRED BY ATC

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.

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

SEE ATTACHED AIRSPACE LETTER.

RF SEGMENT ALT KIAS KTAS
HAA VKTW TR BA
CUNSU-YUBUG 2355.00 210.00 219.89 1756.00
30.00 2.33 21.33
HERIR-CUNSU 2620.00 210.00 221.10 2021.00
52.00 2.33 24.99
IDADE-WUNOG 4000.00 210.00 226.80 3401.00
54.00 2.48 24.91

RUDOY-YUBUG 2300.00 210.00 219.66
1701.00 30.00 2.50 19.99
WOKAP-RUDOY 4000.00 210.00 226.80 3401.00
54.00 2.50 24.71

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

ISA DEVIATION: STANDARD -30
ACT: -16
AVERAGE COLD TEMPERATURE SOURCE UNAVAILABLE AT THE TIME OF DEVELOPMENT

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
34:1 549.00 OL ON DME (KBNA0078) (20/3)
360807.37N/0863934.22W (1.20)

MEMO DATED 2/6/12 APPLIED TO MINIMUM LENGTH BETWEEN WUNOG AND HERIR

QUALITY CHECKED 4

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)	HILOS	YUBUG	13. AAO	361409.00N/0863439.00W	814 (4E)	500	AC98 AT278 VEB10	1700
STEPDOWN			14. TERRAIN	361336.00N/0863442.00W	591 (600)		AS1000	1600
INTERMEDIATE: (RNP 1.00)	SIPPO	WOKAP	15. AAO	360939.00N/0863327.00W	880 (4E)	500	AC98 AT2522	4000
			16. TERRAIN	360942.00N/0863327.00W	680 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	WOKAP	RUDOY	17. AAO	361257.00N/0863333.00W	903 (4E)	500	AC98 AT799	2300
STEPDOWN			18. TERRAIN	361257.00N/0863333.00W	703 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	MESOE	RUDOY	17. AAO	361257.00N/0863333.00W	903 (4E)	500	AC98 AT799	2300
			18. TERRAIN	361257.00N/0863333.00W	703 (700)		AS1500	2200
INTERMEDIATE: (RNP 1.00)	RUDOY	YUBUG	19. TOWER (47-001470)	361029.90N/0864008.80W	846 (5D)	500	AC50 AT304	1700
STEPDOWN			20. TERRAIN	361218.00N/0863739.00W	591 (600)		AS1000	1600
FINAL: (RNP 0.20)	YUBUG	RW20L				ASC	MA42	847/307
FINAL: (RNP 0.30)	YUBUG	RW20L	21. TOWER (47-002563)	360903.10N/0863952.50W	706 (2C)	21.69:1	AC20 MA7	1015/475
MISSED APPROACH	DA	RW20L (40:1)	22. ANT POLE	360826.37N/0863908.76W	597 (1A)	ASC	AC3	
(RNP 0.20-1.00)			(KBNA0157)					

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

4

CHECKED

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

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
MISSED APPROACH	DA	RW20L (40:1)	21. TOWER (47-002563)	360903.10N/0863952.50W	706 (2C)	ASC	AC20	
(RNP 0.30-1.00)								
MISSED APPROACH	RW20L	ATKNS (40:1)				ASC		
(RNP 0.20-1.00)								
MISSED APPROACH	RW20L	ATKNS (40:1)				ASC		
(RNP 0.30-1.00)								
2. PROCEDURE TURN								
3. MISSED APPROACH MAP:	DA / DA	ATKNS				ASC		3000
			23. TOWER (47-002306)	355520.06N/0864246.17W	1547 (2C)	1000	AC20	2600
ELEV:	578/688		24. TERRAIN	355521.00N/0864224.00W	1218 (1200)		AS1500	2700

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

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

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
	☐ N W S	OTHER:	SOURCE:
	☐ F A A		
	☐ A / C		DISTANCE:
SATISFACTORY ON: ☐ V H F ☐ U H F ☐ H F	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: ATKNS **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 355350.03N/0864513.08W **TYPE:** WP, RADAR, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NASHVILLE	I-UQU	LOC/DME		200.99	197.99	15.02	15.05		5000	5000
2	SHELBYVILLE	SYI	VOR/DME	L	323.68	322.68	25.29	25.29		5000	5000
3	NASHVILLE	BNA	VORTAC	H	195.16	193.16		14.75		5000	5000

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	200.94	020.94	R		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

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
SHELBYVILLE (FAC 2) AND NASHVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-UQU DME COORDINATES 360809.86N-0863935.72W
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 2R	1, 2, 3		KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (CAT II)	1, 2, 3		KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (CAT III)	1, 2, 3		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 20L		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2R		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20L		1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2R			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
INCREASED FACS 1/2/3 MRA FROM 3000 TO 5000
ADDED FACS USED TO ESTABLISH COORDINATES
UPDATED FIX USE

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 ATCT
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFFJH **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361034.34N/0863517.11W **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 20L			KBNA	NASHVILLE	TN (US)

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 4

RADIO FIX AND HOLDING DATA RECORD

NAME: CFFJC **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361217.39N/0864224.45W **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 20L			KBNA	NASHVILLE	TN (US)

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: CFFJB **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361204.13N/0864057.79W **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 20L			KBNA	NASHVILLE	TN (US)

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: 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 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CUNSU **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361345.67N/0863858.53W **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)

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: HERIR **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361417.70N/0864005.31W **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)

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 4

RADIO FIX AND HOLDING DATA RECORD

NAME: HILOS **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361412.15N/0863704.53W **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)

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: 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 4

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: RUDOY **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361248.99N/0863639.24W **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)

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:

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: 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 CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: WUNOG **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361439.22N/0864128.80W **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)

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: YUBUG **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361120.82N/0863813.31W **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)

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: WAYLN **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361810.44N/0863528.74W **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-SSX	LOC/DME		021.00	018.00	12.26	12.26		4000	5000

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	021.04	201.04	L		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	362729.00N/0862933.00W	1179	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 AVOID CONFLICT WITH HOLDING PATTERNS FOR RWY 20C AND 20R

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
I-SSX DME COORDINATES: 360630.96N/0864012.89W
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

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

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 08/27/2009

REASON FOR REVISION:
DELETED FAC 2 KBNA R20L INFORMATION.
FIX MOVED 0.26 NM.
ADDED WP TO FIX DESCRIPTION.
FAC 1 RADIAL/COURSE/BEARING CHANGED FROM (017.99) TO (018.00).
ADDED HOLDING PAT 1 INFORMATION.
ADDED I-SSX DME COORDINATES TO REMARKS.
UPDATED FIX USE INFORMATION.
UPDATED LAT/LONG.
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED IN REMARKS.

DEVELOPED BY: **DATE:** 02/03/2009 **OFFICE:** AVN-110 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** 06/30/2009 **OFFICE:** AVN-110 **NAME:** PETER GETZ

INFO ONLY

SIGNATURE:

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

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 20L** 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 **3.18**
   (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 **198.01**
4. High Terrain in **FINAL** segment containing 1000' point **604**
5. Distance from **THLD** to 1500' point **5.13**
   (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 **198.03**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **591**
9. Threshold Coordinates (if straight-in) ... **360801.01N** / **0863933.40W**
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 ..... **361120.82N** / **0863813.31W**

REMARKS: Approach/Drawing attached.

THIS AIRSPACE EVALUATION IS FOR THE INTERMEDIATE SD SEGMENT BETWEEN HILOS AND YUBUG (PFAF)

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 20L** 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 **3.18**
   (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 **198.01**
4. High Terrain in **FINAL** segment containing 1000' point **604**
5. Distance from **THLD** to 1500' point **5.42**
   (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) ... **360801.01N** / **0863933.40W**
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 ..... **361120.82N** / **0863813.31W**

REMARKS: Approach/Drawing attached.

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

RF: CFFJC 361217.39N/0864224.45W

THIS AIRSPACE EVALUATION IS FOR THE INTERMEDIATE SD SEGMENT BETWEEN CUNSU AND YUBUG (PFAF)

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 20L** 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 **3.18**
   (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 **198.01**
4. High Terrain in **FINAL** segment containing 1000' point **604**
5. Distance from **THLD** to 1500' point **4.76**
   (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) ... **360801.01N** / **0863933.40W**
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 ..... **361120.82N** / **0863813.31W**

REMARKS: Approach/Drawing attached.

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

RF: CFFJH 361034.34N/0863517.11W

THIS AIRSPACE EVALUATION IS FOR THE INTERMEDIATE SD SEGMENT BETWEEN RUDOY AND YUBUG (PFAF)