U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN (RNAV)	ONE	TIPPN1.TIPPN	NONE		

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 02C: CLIMB HEADING 020.98 TO 1100, THEN DIRECT JOOON, THEN ON HEADING 015.00 THENCE...
TAKEOFF RWY 02L: CLIMB HEADING 020.65 TO 1100, THEN DIRECT FOOFY, THEN ON HEADING 020.65 THENCE...
TAKEOFF RWY 02R: CLIMB HEADING 020.99 TO 1100, THEN RIGHT TURN DIRECT KDNCE, THEN ON HEADING 055.00 THENCE...
TAKEOFF RWY 13: CLIMB HEADING 136.30 TO 1100, THEN RIGHT TURN DIRECT DOCCK, THEN ON HEADING 180.00 THENCE...
TAKEOFF RWY 20C: CLIMB HEADING 200.99 TO 1100, THEN LEFT TURN DIRECT GOGOO, THEN ON HEADING 180.00 THENCE...
TAKEOFF RWY 20L: CLIMB HEADING 201.00 TO 1100, THEN DIRECT RADNR, THEN ON HEADING 200.99 THENCE...
TAKEOFF RWY 20R: CLIMB HEADING 200.65 TO 1100, THEN LEFT TURN DIRECT GOGOO, THEN ON HEADING 180.00 THENCE...
TAKEOFF RWY 31: CLIMB HEADING 316.32 TO 1100, THEN RIGHT TURN DIRECT SCUTR, THEN ON HEADING 050.00 THENCE...

...EXPECT RADAR VECTORS TO RORRY, THEN ON TRACK 173.44 TO TIPPN (MEA 10000/MOCA 3300), MAINTAIN 4000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 5 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
BRXTN	TIPPN1.BRXTN	TIPPN	BRXTN	158.89	24.01	14900	4000	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR NASHVILLE CLEARANCE DELIVERY.
NOTE: IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.
NOTE: RNAV-1.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RADAR REQUIRED.

TAKEOFF MINIMUMS:
RWY 02C, 02L, 02R, 13, 20C, 20L, 20R, 31, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1100.

TAKEOFF OBSTACLES NOTES:

RWY 02L, TREES BEGINNING 203 FT FROM DER, 489 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/576 FT MSL.
RWY 13, BLAST FENCE OBSTRUCTION LIGHT 335 FT FROM DER, 64 FT LEFT OF CENTERLINE, 6 FT AGL/595 FT MSL. TREES BEGINNING 2852 FT FROM DER, 28 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/685 FT MSL. POLE 3761 FT FROM DER, 726 FT RIGHT OF CENTERLINE, 60 FT AGL/689 FT MSL.
RWY 20C, TREES BEGINNING 2089 FT FROM DER, 934 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/623 FT MSL.
RWY 20L, TREES BEGINNING 1844 FT FROM DER, 720 LEFT OF CENTERLINE, UP TO 60 FT AGL/639 FT MSL.
RWY 20R, FLAGPOLE 1298 FT FROM DER, 777 FT RIGHT OF CENTERLINE, 37 FT AGL/636 FT MSL. BLDG 2183 FT FROM DER, 1083 FT RIGHT OF CENTERLINE, 91 FT AGL/680 FT MSL.
RWY 31, GROUND 2 FT FROM DER, 498 FT LEFT OF CENTERLINE, 541 FT MSL. LOC OBSTRUCTION LIGHT 303 FT FROM DER, ON CENTERLINE, 48 FT AGL/547 FT MSL. BLAST

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN (RNAV)	ONE	TIPPN1.TIPPN	NONE		

FENCE OBSTRUCTION LIGHT 382 FT FROM DER, 50 FT LEFT OF CENTERLINE, 30 FT AGL/569 FT MSL. TREES BEGINNING 789 FT FROM DER, 331 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/602 FT MSL. POLE 1012 FT FROM DER, 429 FT LEFT OF CENTERLINE, 29 FT AGL/578 FT MSL. TRANSMISSION TOWER 1882 FT FROM DER, 219 FT RIGHT OF CENTERLINE, 61 FT AGL/610 FT MSL. POLE 2037 FT FROM DER, 422 FT RIGHT OF CENTERLINE, 47 FT AGL/596 FT MSL. TRANSMISSION TOWER 2778 FT FROM DER, 83 FT LEFT OF CENTERLINE, 91 FT AGL/630 FT MSL.

CONTROLLING OBSTACLES:

RWY 31, 816 FT MSL TOWER (47-000499) 360949.00N/0864254.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 20C, RWY 20L, RWY 20R – 2049 FT MSL TOWER (47-002263) 360250.42N/0864948.93W. RWY 31 – 2049 FT MSL ANT (KJWNT0151) 360827.45N/0865156.48W,

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KBNA 3W EPOCH YEAR: 2010.
DME/DME ASSESSMENT: SAT (RNP 2.0).

PILOT NAVIGATION AREA:
7NM ARC CENTERED ON RORRY (IF), CW
FROM: POINT A (BEARING 308.44 TO RORRY)
TO: POINT B (BEARING 038.44 TO RORRY)
MINIMUM ALTITUDE - 6000

AIRPORTS SERVED:

NASHVILLE INTL – NASHVILLE, TN.

COMMUNICATIONS:

ATIS CLEARANCE DELIVERY, GROUND CONTROL, TOWER, DEPARTURE CONTROL.

FIXES AND/OR NAVAIDS:

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN (RNAV)	ONE	TIPPN1.TIPPN	NONE		

REMARKS:

ROUTE OF BRXTN TRANSITION WITHIN MOUNTAINOUS TERRAIN.

FLIGHT INSPECTED BY:

Thomas Page 8/23/12

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DAVID SAUER AJV-352 5/23/12

APPROVED BY:

DARRYEL ADAMS AJV-352

COORDINATED WITH:

ALPA, AOPA, ATA, NBAA, ZME, ZID, BNA ATCT, BNA APP CON, BNA AMGR.

CHANGES:

REASONS:

8/3/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5/23/12.

1. CHANGED DP ROUTE DESCRIPTION ALTITUDES FROM "...TURBOJETS MAINTAIN 4000, PROPELLER AIRCRAFT MAINTAIN 3000" TO "...TURBOJETS MAINTAIN 5000, PROPELLER AIRCRAFT MAINTAIN 4000"

8/28/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5/23/12.

1. CHANGED DP ROUTE DESCRIPTION ALTITUDES FROM "...TURBOJETS MAINTAIN 5000, PROPELLER AIRCRAFT MAINTAIN 4000" TO "...MAINTAIN 4000".

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN RNAV	ONE	TIPPN1.TIPPN	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW02C (AER)	360611.99N/0864116.66W	N	-	-	-	-			
1100 MSL	-	-	-	VA	017.98	-			CG 500 FT/NM TO 1100
JOOON	361030.30N/0863950.22W	Y	FO	DF	-	-			
	-	-	-	VM	012.00	-			
RORRY	354253.48N/0862735.92W	Y	FB	DF	-	-			
TIPPN	352308.28N/0862332.15W	Y	FB	TF	170.44	20.00			
RW02L (AER)	360703.64N/0864111.31W	N	-	-	-	-			
1100 MSL	-	-	-	VA	017.65	-			CG 500 FT/NM TO 1100
FOOFY	361120.01N/0863930.71W	Y	FO	DF	-	-			
	-	-	-	VM	017.65	-			
RORRY	354253.48N/0862735.92W	Y	FB	DF	-	-			
TIPPN	352308.28N/0862332.15W	Y	FB	TF	170.44	20.00			
RW02R (AER)	360645.77N/0864003.52W	N	-	-	-	-			
1100 MSL	-	-	-	VA	017.99	-			CG 500 FT/NM TO 1100
KDNCE	361107.30N/0863455.24W	Y	FO	DF	-	-			RIGHT TURN
	-	-	-	VM	052.00	-			
RORRY	354253.48N/0862735.92W	Y	FB	DF	-	-			
TIPPN	352308.28N/0862332.15W	Y	FB	TF	170.44	20.00			

QUALITY 3 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN RNAV	ONE	TIPPN1.TIPPN	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW13 (AER)*	360823.16N/0864136.17W*	N	-	-	-	-			*DISPL THLD (801.0 FT)
1100 MSL	-	-	-	VA	133.30	-			CG 500 FT/NM TO 1100
DOCCK	355931.12N/0864002.08W	Y	FO	DF	-	-			RIGHT TURN
	-	-	-	VM	177.00	-			
RORRY	354253.48N/0862735.92W	Y	FB	DF	-	-			
TIPPN	352308.28N/0862332.15W	Y	FB	TF	170.44	20.00			
RW20C (AER)	360727.24N/0864046.55W	N	-	-	-	-			
1100 MSL	-	-	-	VA	197.99	-			CG 500 FT/NM TO 1100
GOGOO	360141.73N/0864100.79W	Y	FO	DF	-	-			LEFT TURN
	-	-	-	VM	177.00	-			
RORRY	354253.48N/0862735.92W	Y	FB	DF	-	-			
TIPPN	352308.28N/0862332.15W	Y	FB	TF	170.44	20.00			
RW20L (AER)	360801.01N/0863933.40W	N	-	-	-	-			
1100 MSL	-	-	-	VA	198.00	-			CG 500 FT/NM TO 1100
RADNR	360353.17N/0864112.54W	Y	FO	DF	-	-			
	-	-	-	VM	197.99	-			
RORRY	354253.48N/0862735.92W	Y	FB	DF	-	-			
TIPPN	352308.28N/0862332.15W	Y	FB	TF	170.44	20.00			

QUALITY 3 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN RNAV	ONE	TIPPN1.TIPPN	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW20R (AER)	360816.23N/0864042.84W	N	-	-	-	-			
1100 MSL	-	-	-	VA	197.65	-			CG 500 FT/NM TO 1100
GOGOO	360141.73N/0864100.79W	Y	FO	DF	-	-			LEFT TURN
	-	-	-	VM	177.00	-			
RORRY	354253.48N/0862735.92W	Y	FB	DF	-	-			
TIPPN	352308.28N/0862332.15W	Y	FB	TF	170.44	20.00			
RW31 (AER)*	360718.81N/0864012.01W*	N	-	-	-	-			*DISPL THLD (741.0 FT)
1100 MSL	-	-	-	VA	313.32	-			CG 500 FT/NM TO 1100
SCUTR	361419.15N/0863451.43W	Y	FO	DF	-	-			RIGHT TURN
	-	-	-	VM	047.00	-			
RORRY	354253.48N/0862735.92W	Y	FB	DF	-	-			
TIPPN	352308.28N/0862332.15W	Y	FB	TF	170.44	20.00			
TIPPN	352308.28N/0862332.15W	Y	-	IF	-	-			TIPPN1.BRXTN
BRXTN	350110.88N/0861135.65W	Y	FB	TF	155.89	24.01			

QUALITY CHECKED 3

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN RNAV	ONE	TIPPN1.TIPPN	NONE		

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BRXTN K70    W   L N35011088W086113565                    W0036     NAR           BRXTN
        SUSAEAENRT   DOCCK K70    W     N35593112W086400208                    W0034     NAR           DOCCK
        SUSAEAENRT   FOOFY K70    W     N36112001W086393071                    W0035     NAR           FOOFY
        SUSAEAENRT   GOGOO K70    W     N36014173W086410079                    W0034     NAR           GOGOO
        SUSAEAENRT   JOOON K70    W     N36103030W086395022                    W0035     NAR           JOOON
        SUSAEAENRT   KDNCE K70    W     N36110730W086345524                    W0035     NAR           KDNCE
        SUSAEAENRT   RADNR K70    W     N36035317W086411254                    W0034     NAR           RADNR
        SUSAEAENRT   RORRY K70    W     N35425348W086273592                    W0035     NAR           RORRY
        SUSAEAENRT   SCUTR K70    W     N36141915W086345143                    W0035     NAR           SCUTR
        SUSAEAENRT   TIPPN K70    W     N35230828W086233215                    W0035     NAR           TIPPN

                 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 KBNAK7DTIPPN14RW02C 010         0        VA                     0210        + 01100     18000
        SUSAP KBNAK7DTIPPN14RW02C 020JOOONK7EA0EY   010DF
        SUSAP KBNAK7DTIPPN14RW02C 030         0        VM                     0150
        SUSAP KBNAK7DTIPPN14RW02C 040RORRYK7EA0E    010DF
        SUSAP KBNAK7DTIPPN14RW02C 050TIPPNK7EA0EE   010TF                     17340200
        SUSAP KBNAK7DTIPPN14RW02L 010         0        VA                     0207        + 01100     18000
        SUSAP KBNAK7DTIPPN14RW02L 020FOOFYK7EA0EY   010DF
        SUSAP KBNAK7DTIPPN14RW02L 030         0        VM                     0207
        SUSAP KBNAK7DTIPPN14RW02L 040RORRYK7EA0E    010DF
        SUSAP KBNAK7DTIPPN14RW02L 050TIPPNK7EA0EE   010TF                     17340200
        SUSAP KBNAK7DTIPPN14RW02R 010         0        VA                     0210        + 01100     18000
        SUSAP KBNAK7DTIPPN14RW02R 020KDNCEK7EA0EY   010DF
        SUSAP KBNAK7DTIPPN14RW02R 030         0        VM                     0550
        SUSAP KBNAK7DTIPPN14RW02R 040RORRYK7EA0E    010DF
        SUSAP KBNAK7DTIPPN14RW02R 050TIPPNK7EA0EE   010TF                     17340200
        SUSAP KBNAK7DTIPPN14RW13  010         0        VA                     1363        + 01100     18000
        SUSAP KBNAK7DTIPPN14RW13  020DOCCKK7EA0EY   010DF
        SUSAP KBNAK7DTIPPN14RW13  030         0        VM                     1800
        SUSAP KBNAK7DTIPPN14RW13  040RORRYK7EA0E    010DF
        SUSAP KBNAK7DTIPPN14RW13  050TIPPNK7EA0EE   010TF                     17340200
        SUSAP KBNAK7DTIPPN14RW20C 010         0        VA                     2010        + 01100     18000
        SUSAP KBNAK7DTIPPN14RW20C 020GOGOOK7EA0EY   010DF
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QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN RNAV	ONE	TIPPN1.TIPPN	NONE		

```
SUSAP KBNAK7DTIPPN14RW20C 030         0       VM                    1800
SUSAP KBNAK7DTIPPN14RW20C 040RORRYK7EA0E    010DF
SUSAP KBNAK7DTIPPN14RW20C 050TIPPNK7EA0EE   010TF                    17340200
SUSAP KBNAK7DTIPPN14RW20L 010         0       VA                    2010        + 01100     18000
SUSAP KBNAK7DTIPPN14RW20L 020RADNRK7EA0EY   010DF
SUSAP KBNAK7DTIPPN14RW20L 030         0       VM                    2010
SUSAP KBNAK7DTIPPN14RW20L 040RORRYK7EA0E    010DF
SUSAP KBNAK7DTIPPN14RW20L 050TIPPNK7EA0EE   010TF                    17340200
SUSAP KBNAK7DTIPPN14RW20R 010         0       VA                    2007        + 01100     18000
SUSAP KBNAK7DTIPPN14RW20R 020GOGOOK7EA0EY   010DF
SUSAP KBNAK7DTIPPN14RW20R 030         0       VM                    1800
SUSAP KBNAK7DTIPPN14RW20R 040RORRYK7EA0E    010DF
SUSAP KBNAK7DTIPPN14RW20R 050TIPPNK7EA0EE   010TF                    17340200
SUSAP KBNAK7DTIPPN14RW31  010         0       VA                    3163        + 01100     18000
SUSAP KBNAK7DTIPPN14RW31  020SCUTRK7EA0EY   010DF
SUSAP KBNAK7DTIPPN14RW31  030         0       VM                    0500
SUSAP KBNAK7DTIPPN14RW31  040RORRYK7EA0E    010DF
SUSAP KBNAK7DTIPPN14RW31  050TIPPNK7EA0EE   010TF                    17340200
SUSAP KBNAK7DTIPPN16BRXTN 010TIPPNK7EA0E       IF                                            18000
SUSAP KBNAK7DTIPPN16BRXTN 020BRXTNK7EA0EE   010TF                    15890240
```

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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
SUSAP KBNAK7GRW02C   0080010210 N36061199W086411666+0000    +014430056900006015 0IIEZN1
SUSAP KBNAK7GRW02L   0077030207 N36070364W086411131-0600    +015320059900005515 0IIBNA3
SUSAP KBNAK7GRW02R   0080000210 N36064577W086400352-0600    +015060059000005915 0IIUQU3
SUSAP KBNAK7GRW13    0110301363 N36082316W086413617+0400    +013640054308015515 0R
SUSAP KBNAK7GRW20C   0080012010 N36072724W086404655+0000    +014510057200005015 0R
SUSAP KBNAK7GRW20L   0080002010 N36080101W086393340+0600    +013530054000004715 0IISSX1
SUSAP KBNAK7GRW20R   0077032007 N36081623W086404284+0600    +014010055500005915 0IIVIY1
SUSAP KBNAK7GRW31    0110303163 N36071881W086401201-0400    +014680057707415215 0IIPNO1
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN RNAV	ONE	TIPPN1.TIPPN	NONE		

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW02C		010		VA		FB		021.0()		AA 01100	
	RW02C	JOOON	020		DF		FO	1.0				
	RW02C		030		VM		FB		015.0()			
	RW02C	RORRY	040		DF		FB	1.0				
	RW02C	TIPPN	050		TF		FB	1.0	173.4()	020.0		
	RW02L		010		VA		FB		020.7()		AA 01100	
	RW02L	FOOFY	020		DF		FO	1.0				
	RW02L		030		VM		FB		020.7()			
	RW02L	RORRY	040		DF		FB	1.0				
	RW02L	TIPPN	050		TF		FB	1.0	173.4()	020.0		
	RW02R		010		VA		FB		021.0()		AA 01100	
	RW02R	KDNCE	020		DF		FO	1.0				
	RW02R		030		VM		FB		055.0()			
	RW02R	RORRY	040		DF		FB	1.0				
	RW02R	TIPPN	050		TF		FB	1.0	173.4()	020.0		
	RW13		010		VA		FB		136.3()		AA 01100	
	RW13	DOCCK	020		DF		FO	1.0				
	RW13		030		VM		FB		180.0()			
	RW13	RORRY	040		DF		FB	1.0				
	RW13	TIPPN	050		TF		FB	1.0	173.4()	020.0		
	RW20C		010		VA		FB		201.0()		AA 01100	
	RW20C	GOGOO	020		DF		FO	1.0				
	RW20C		030		VM		FB		180.0()			
	RW20C	RORRY	040		DF		FB	1.0				
	RW20C	TIPPN	050		TF		FB	1.0	173.4()	020.0		
	RW20L		010		VA		FB		201.0()		AA 01100	
	RW20L	RADNR	020		DF		FO	1.0				
	RW20L		030		VM		FB		201.0()			
	RW20L	RORRY	040		DF		FB	1.0				
	RW20L	TIPPN	050		TF		FB	1.0	173.4()	020.0		
	RW20R		010		VA		FB		200.7()		AA 01100	
	RW20R	GOGOO	020		DF		FO	1.0				
	RW20R		030		VM		FB		180.0()			
	RW20R	RORRY	040		DF		FB	1.0				
	RW20R	TIPPN	050		TF		FB	1.0	173.4()	020.0		
	RW31		010		VA		FB		316.3()		AA 01100	
	RW31	SCUTR	020		DF		FO	1.0				
	RW31		030		VM		FB		050.0()			
	RW31	RORRY	040		DF		FB	1.0				
	RW31	TIPPN	050		TF		FB	1.0	173.4()	020.0		
	BRXTN	TIPPN	010		IF		FB					
	BRXTN	BRXTN	020		TF		FB	1.0	158.9()	024.0		

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TIPPN RNAV	ONE	TIPPN1.TIPPN	NONE		

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
BRXTN	N350110.88	W0861135.65	N3501.181	W08611.594
DOCCK	N355931.12	W0864002.08	N3559.519	W08640.035
FOOFY	N361120.01	W0863930.71	N3611.334	W08639.512
GOGOO	N360141.73	W0864100.79	N3601.696	W08641.013
JOOON	N361030.30	W0863950.22	N3610.505	W08639.837
KDNCE	N361107.30	W0863455.24	N3611.122	W08634.921
RADNR	N360353.17	W0864112.54	N3603.886	W08641.209
RORRY	N354253.48	W0862735.92	N3542.891	W08627.599
SCUTR	N361419.15	W0863451.43	N3614.319	W08634.857
TIPPN	N352308.28	W0862332.15	N3523.138	W08623.536
RW02C	N360611.99	W0864116.66	N3606.200	W08641.278
RW02L	N360703.64	W0864111.31	N3607.061	W08641.189
RW02R	N360645.77	W0864003.52	N3606.763	W08640.059
RW13	N360823.16	W0864136.17	N3608.386	W08641.603
RW20C	N360727.24	W0864046.55	N3607.454	W08640.776
RW20L	N360801.01	W0863933.40	N3608.017	W08639.557
RW20R	N360816.23	W0864042.84	N3608.271	W08640.714
RW31	N360718.81	W0864012.01	N3607.314	W08640.200

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW02C	00569	60
RW02L	00599	55
RW02R	00590	59
RW13	00543	55
RW20C	00572	50
RW20L	00540	47
RW20R	00555	59
RW31	00577	52

RADIO FIX AND HOLDING DATA RECORD

NAME: BRXTN **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 350110.88N/0861135.65W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/15/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: DOCCK **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 355931.12N/0864002.08W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FLAME (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/14/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FOOFY **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361120.01N/0863930.71W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHADM (RNAV)			KBNA	NASHVILLE	TN (US)
DP	DANLS (RNAV)			KBNA	NASHVILLE	TN (US)
DP	DRURY (RNAV)			KBNA	NASHVILLE	TN (US)
DP	EVVAN (RNAV)			KBNA	NASHVILLE	TN (US)
DP	FLAME (RNAV)			KBNA	NASHVILLE	TN (US)
DP	GDOGG (RNAV)			KBNA	NASHVILLE	TN (US)
DP	HGGRD (RNAV)			KBNA	NASHVILLE	TN (US)
DP	KRSTA (RNAV)			KBNA	NASHVILLE	TN (US)
DP	PARDN (RNAV)			KBNA	NASHVILLE	TN (US)
DP	PREDS (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TAZMO (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/11/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: GOGOO **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360141.73N/0864100.79W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FLAME (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/14/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

QUALITY 3 RECORD

RADIO FIX AND HOLDING DATA RECORD

NAME: JOOON **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361030.30N/0863950.22W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHADM (RNAV)			KBNA	NASHVILLE	TN (US)
DP	DANLS (RNAV)			KBNA	NASHVILLE	TN (US)
DP	DRURY (RNAV)			KBNA	NASHVILLE	TN (US)
DP	EVVAN (RNAV)			KBNA	NASHVILLE	TN (US)
DP	FLAME (RNAV)			KBNA	NASHVILLE	TN (US)
DP	GDOGG (RNAV)			KBNA	NASHVILLE	TN (US)
DP	HGGRD (RNAV)			KBNA	NASHVILLE	TN (US)
DP	KRSTA (RNAV)			KBNA	NASHVILLE	TN (US)
DP	PARDN (RNAV)			KBNA	NASHVILLE	TN (US)
DP	PREDS (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TAZMO (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/11/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

QUALITY 3

RADIO FIX AND HOLDING DATA RECORD

NAME: KDNCE **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361107.30N/0863455.24W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHADM (RNAV)			KBNA	NASHVILLE	TN (US)
DP	DANLS (RNAV)			KBNA	NASHVILLE	TN (US)
DP	DRURY (RNAV)			KBNA	NASHVILLE	TN (US)
DP	EVVAN (RNAV)			KBNA	NASHVILLE	TN (US)
DP	FLAME (RNAV)			KBNA	NASHVILLE	TN (US)
DP	GDOGG (RNAV)			KBNA	NASHVILLE	TN (US)
DP	HGGRD (RNAV)			KBNA	NASHVILLE	TN (US)
DP	KRSTA (RNAV)			KBNA	NASHVILLE	TN (US)
DP	PARDN (RNAV)			KBNA	NASHVILLE	TN (US)
DP	PREDS (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TAZMO (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/11/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: RADNR **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360353.17N/0864112.54W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHADM (RNAV)			KBNA	NASHVILLE	TN (US)
DP	EVVAN (RNAV)			KBNA	NASHVILLE	TN (US)
DP	FLAME (RNAV)			KBNA	NASHVILLE	TN (US)
DP	KRSTA (RNAV)			KBNA	NASHVILLE	TN (US)
DP	PREDS (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TAZMO (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/14/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: RORRY **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 354253.48N/0862735.92W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/15/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SCUTR **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 361419.15N/0863451.43W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHADM (RNAV)			KBNA	NASHVILLE	TN (US)
DP	EVVAN (RNAV)			KBNA	NASHVILLE	TN (US)
DP	FLAME (RNAV)			KBNA	NASHVILLE	TN (US)
DP	PREDS (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TAZMO (RNAV)			KBNA	NASHVILLE	TN (US)
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/14/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: TIPPN **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 352308.28N/0862332.15W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TIPPN (RNAV)			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/15/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

QUALITY CHECKED