

FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> BNA	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 2R	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> NASHVILLE	<u>STATE</u> TN
<u>AIRPORT ELEVATION</u> 599	<u>TDZE</u> 590	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 2R	<u>DATED</u> 07/16/2020	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2010
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SYI VOR/DME		JTURN		TF	FB	1.00	311.60	22.23	6000
JTURN	IAF	ATKNS		TF	FB	1.00	020.92	4.65	5000
ATKNS		LOUDN		TF	FB	1.00	020.94	3.91	4000
LOUDN	IF	UNIVE		TF	FB	1.00	020.95	3.31	3000
UNIVE		SKAGS		TF	FB	1.00	020.97	2.44	2500
SKAGS	FAF	KOYER/3.00 NM TO RW02R		TF	FB	0.30	020.97	2.83	
KOYER/3.00 NM TO RW02R		RW02R	MAP	TF	FO	0.30	020.97	3.00	
RW02R	MAP	1300 MSL		CA			020.97		1300
1300 MSL		LENON		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW02R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300, THEN CLIMBING RIGHT TURN TO 4000 DIRECT LENON AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. PROFILE STARTS AT LOUDN
3. **FAC:** 020.97 **FAF:** SKAGS **DIST FAF TO MAP:** 5.83 **DIST FAF TO THLD:** 5.83
4. **MIN ALT:** LOUDN 4000, UNIVE 3000, SKAGS 2500, KOYER/3.00 NM TO RW02R 1600
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.46 **GS ANT:**
6. **MIN GP INCPT:** 2500 **GP ALT AT PFAF:** SKAGS 2500 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 54.9
8. **MSA FROM:** RW02R 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 54°C.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SYI VOR/DME ON V16 EAST BOUND, V321 SOUTHWEST BOUND.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV VISIBILITY ALL CATS TO RVR 5500.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 251.53 INBOUND.
CHART ARRIVAL HOLDING AT JTURN: HOLD S, RT, 017.92 INBOUND, 6000.
CHART FAS OBST: 761 CONTROL TOWER (47-000605) 360659N/0864031W.
CHART VDP AT 1.17 NM TO RW02R.
WAAS CHANNEL # 93713
REFERENCE PATH ID: W02D
CHART AT OR ABOVE 6000 AT SYI VOR/DME.
LTP HAE: 150.5 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	790	1800	200	790	1800	200	790	1800	200	790	1800	200			
LNAV/VNAV DA	959	3500	369	959	3500	369	959	3500	369	959	3500	369			
LNAV MDA	1020	2400	430	1020	2400	430	1020	4000	430	1020	4000	430			
CIRCLING	1100	1	501	1120	1	521	1200	1 3/4	601	1380	2 1/2	781			



CHANGES - REASONS

- 1. TERMINAL ROUTES: REMOVED FEEDER FROM BNA VORTAC – ATC REQUEST.
- 2. TERMINAL ROUTES: REMOVED FEEDER FROM SYI VOR/DME TO ATKNS – ATC REQUEST.
- 3. TERMINAL ROUTES: ADDED FEEDER FROM SYI VOR/DME TO JTURN – ATC REQUEST.
- 4. TERMINAL ROUTES: REMOVED FEEDER FROM TUNGY – ATC REQUEST.
- 5. TERMINAL ROUTES: IAF CHANGED FROM ATKNS TO JTURN; ATKNS CONVERTED TO AN INITIAL STEPDOWN FIX; ATKNS ALTITUDE CHANGED FROM 3000 TO 5000 – ATC REQUESTED AN ADDITIONAL STEPDOWN SEGMENT AND EXTENDED ALL SEGMENTS FOR SEPARATION.
- 6. TERMINAL ROUTES: LOUDN CONVERTED FROM INTERMEDIATE STEPDOWN FIX TO IF – PT REMOVED AT ATC REQUEST.
- 7. TERMINAL ROUTES: ATKNS TO LOUDN DISTANCE CHANGED FROM 3.03 TO 3.91 AND ALTITUDE INCREASED FROM 2700 TO 4000 – FOR ATC SEPARATION.
- 8. TERMINAL ROUTES: LEG FROM LOUDN TO SKAGS WAS REMOVED AND REPLACED WITH LOUDN TO UNIVE – TO OVERLAY ILS PROCEDURE TO SAME RUNWAY.
- 9. TERMINAL ROUTES: ADDED LEG FROM UNIVE TO SKAGS - TO OVERLAY ILS PROCEDURE TO SAME RUNWAY.
- 10. TERMINAL ROUTES: SKAGS TO KOYER/3.00 NM TO RW02R DISTANCE INCREASED FROM 2.81 TO 2.83 – PFAF MOVED 0.02 NM FOR UPDATED TCH.
- 11. PROFILE: LINE 2: CHANGED FROM "HOLD S ATKNS, RT, 020.94 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000." TO "PROFILE STARTS AT LOUDN"- PT REMOVED AT ATC REQUEST.
- 12. PROFILE: LINE 3: DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM 5.81 TO 5.83 - PFAF MOVED 0.02 NM FOR UPDATED TCH.
- 13. PROFILE: LINE 4: MIN ALT CHANGED FROM "ATKNS 3000, LOUDN 2700, SKAGS 2500, KOYER/3.00 NM TO RW02R 1600*" TO "LOUDN 4000, UNIVE 3000, SKAGS 2500, KOYER/3.00 NM TO RW02R 1600" – ATKNS NO LONGER CHARTED ON PROFILE, UNIVE ADDED, AND ASTERISK NO LONGER REQUIRED.
- 14. PROFILE: LINE 7: ADDED 20:1 IS CLEAR AND TCH CHANGED FROM 59.4 TO 54.9 – NO 20:1 PENETRATIONS DURING EVALUATION AND TCH CHANGED TO MATCH UPDATED ILS DESIGN TCH.
- 15. NOTES: REMOVED "LNAV ONLY" – ANNOTATION NO LONGER REQUIRED.
- 16. NOTES: BARO-VNAV CRITICAL TEMPERATURE NOTE CHANGED FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 54°C" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 54°C" – BASED ON UPDATED 5 YEAR WEATHER.
- 17. NOTES: REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BNA VORTAC AIRWAY RADIALS 190 CW 270." – FEEDER FROM BNA VORTAC WAS REMOVED.
- 18. NOTES: CHANGED "CHART NOTE: FOR INOPERATIVE ALSF INCREASE LNAV/VNAV VISIBILITY ALL CATS TO RVR 5400." TO "CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV VISIBILITY ALL CATS TO RVR 5500." – LNAV/VNAV HAT INCREASED.
- 19. NOTES: CHANGED FROM "CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 2L/C." TO "CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED." – IAW 8260.19J, 8-6-100.(8)(A)
- 20. NOTES: CHANGED "CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS." TO "CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS." – IAW 8260.19J 8-6-12 O. (D) (8)
- 21. ADDITIONAL FLIGHT DATA: ADDED "CHART ARRIVAL HOLDING AT JTURN: HOLD S, RT, 017.92 INBOUND, 6000." – ATC REQUEST.
- 22. ADDITIONAL FLIGHT DATA: FAS OBST (47-000605) HEIGHT CHANGED FROM 762 TO 761 – UPDATED SURVEY DATA.
- 23. ADDITIONAL FLIGHT DATA: VDP DATA CHANGED FROM "CHART VDP AT 1.10 NM TO RW02R." TO "CHART VDP AT 1.17 NM TO RW02R." – TCH AFFECTED DISTANCE.
- 24. ADDITIONAL FLIGHT DATA: ADDED CHART AT OR ABOVE 6000 AT SYI VOR/DME – ATC REQUEST.
- 25. MINIMUMS: LNAV/VNAV: ALL CATS MDA/ RVR/ HAT CHANGED FROM 928/ 3000/ 338 TO 959/ 3500/ 369 – NEW HAT CONTROLLER.
- 26. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - IAW THE REMOVAL OF CIRCLING ICON MEMO DATED 5/15/2025.
- 27. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM C619C8D7 TO ECC69632 – NEW TCH AND UPDATED COORDINATES FOR LTP AND FPAP.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, BNA APP CON, AIRPORT MGR, BNA ATCT

FLIGHT CHECKED BY

OFFICE **DATE**

DEVELOPED BY
DUSTIN HARDISON

OFFICE **DATE**
AJV-A422 04/11/2025

APPROVED BY
RAKE MCGRAW

OFFICE **DATE** **TITLE**
AJV-A422 MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBNA
RUNWAY	RW02R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02D
LTP/FTP LATITUDE	360645.7670N
LTP/FTP LONGITUDE	0864003.5135W
LTP/FTP ELLIPSOIDAL HEIGHT	+01505
FPAP LATITUDE	360810.6310N
FPAP LONGITUDE	0863929.5435W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	ECC69632

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01798
FPAP ORTHOMETRIC HEIGHT	+01798



FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
BNA	RNAV (GPS) Y RWY 2R	3	NASHVILLE	TN	599	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM SYI VOR/DME **TO** JTURN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	22.23				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	353742.00N/0862439.00W	1483	215	8	4B	1000				AT3517	6000
TERRAIN	353742.00N/0862439.00W	1282 (1300)								AS1500	2800

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM JTURN **TO** ATKNS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	4.65				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (47-000841)	354927.00N/0864928.00W	1460	100	125	3E	1000				AT2540	5000
TERRAIN	354739.00N/0864748.00W	1240 (1200)								AS1500	2700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

ATKNS

TO

LOUDN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	3.91										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (47-001005)	355516.60N/0864226.20W	1597	500	50	5D	1000				AT1403	4000
TERRAIN	355509.00N/0864257.00W	1210 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

LOUDN

TO

UNIVE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	3.31										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (47-001005)	355516.60N/0864226.20W	1597	500	50	5D	500				AT903	3000
TERRAIN	355521.00N/0864248.00W	1194 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

UNIVE

TO

SKAGS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	2.44										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	355818.00N/0864454.00W	1329	215	8	4B	500				AT671	2500
TERRAIN	360006.00N/0864503.00W	928 (900)								AS1000	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

SKAGS

TO

RW02R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.83		DA				200				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				790

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

SKAGS

TO

RW02R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.83		DA				369				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (47-087964)	360547.86N/0864019.75W	689	20	3	1A		22.78:1				959

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

SKAGS

TO

KOYER/3.00 NM TO RW02R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
0.30	2.83										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	360154.00N/0864321.00W	1231	215	8	4B	250				SA-63 DG182	1600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

KOYER/3.00 NM TO RW02R

TO

RW02R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.00		RW02R				430				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CONTROL_TOWER (47-000605)	360659.19N/0864030.91W	761	20	3	1A	250					1020

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LPV

FROM

DA

TO

LENON

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30							622				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
AAO	361451.00N/0861336.00W	1122	215	8	4B	1000					2200
TERRAIN	361218.00N/0862230.00W	971 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

LENON

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30							798				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
AAO	361451.00N/0861336.00W	1122	215	8	4B	1000					2200
TERRAIN	361218.00N/0862230.00W	971 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV

FROM

RW02R

TO

LENON

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 920			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
AAO	361451.00N/0861336.00W	1122	215	8	4B	1000					2200
TERRAIN	361218.00N/0862230.00W	971 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (47-090301)	360607.99N/0863912.03W	1.30	501	774	20	3	1A	300		XP26	1100
CATEGORY B											
TOWER (47-000499)	360949.00N/0864254.00W	1.83	521	816	20	3	1A	300			1120
CATEGORY C											
TOWER (47-024931)	361030.39N/0864008.71W	2.87	601	850	20	3	1A	300		XP50	1200
CATEGORY D											
AAO	360257.00N/0864318.00W	3.75	781	1073	215	8	4B	300			1380

CIRCLING REMARKS:

XP: 26 TO MATCH PUBLISHED CIRCLING CAT A MDA, XP: TO MATCH CURRENT CIRCLING CAT C MINIMUMS.

MSA

CENTER

RW02R

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (47-002263)	360250.42N/0864948.93W	247	8.8	2049	500	50	5D	1000			3100

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

BNA APP CON, BNA TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	BNA	0	BNA		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

NO BACKUP ALTIMETER REQUIRED. REDUNDANT ALTIMETER SOURCE ON FIELD.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW02L - ALSF-2, TDZ, HIRL, C/LINE, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW02C - MALSR, HIRL		PIR-G	APPROACH
RW02R - ALSF-2, TDZ, HIRL, C/LINE		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW13 - HIRL, REIL		PIR-G	
RW20L - MALSR, HIRL, C/LINE		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW20C - HIRL, REIL, PAPI-4L		PIR-G	ROLL OUT
RW20R - MALSF, HIRL, C/LINE, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW31 - REIL, HIRL, PAPI-4R		PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	589.8	54.9				

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-10C	+54C	-10C	+13.81C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 963 HIGH TEMP 1270.

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:	
ACCEPTABLE OBSTACLES IAW 8260.3G, 3-3-2C. (5) / 10-6-1 / 10-6-2 : (629) TOWER (47-020742) 360656.01N/0863954.74W End-fire GS Antenna (590) TAXIWAY (47-040600) 360654.75N/0863903.51W Aircraft and Vehicles (CONTROLLED MOVEMENT AREA) (628) NAVAID (47-072560) 360656.02N/0863954.72W End-fire GS Antenna (593) LIGHTING (47-086442) 360642.94N/0864004.65W Approach Lights (591) LIGHTING (47-086517) 360643.71N/0861940.81W Approach Lights (586) SIGN (47-086627) 360654.72N/0863957.99W Airport Signs (593) LIGHTING (47-086886) 360643.07N/0864005.13W Approach Lights (580) SIGN (47-087224) 360704.12N/0863954.22W Airport Signs (591) LIGHTING (47-087524) 360645.69N/0863903.62W REIL, Rwy, Taxi Lights (590) SIGN (47-088437) 360648.21N/0860940.27W Airport Signs (591) LIGHTING (47-088529) 360643.84N/0861940.29W Approach Lights (557) LIGHTING (47-088798) 360818.21N/0863942.06W REIL, Rwy, Taxi Lights (590) LIGHTING (47-088911) 360646.05N/0863904.99W REIL, Rwy, Taxi Lights (591) LIGHTING (47-089063) 360643.96N/0861940.76W Approach Lights (570) NAVAID (47-089111) 360610.02N/0863917.45W REIL, Rwy, Taxi Lights (580) SIGN (47-089125) 360701.69N/0863958.88W Airport Signs (600) LIGHTING (47-089249) 360701.54N/0863911.61W REIL, Rwy, Taxi Lights (600) LIGHTING (47-089417) 360701.67N/0863912.08W REIL, Rwy, Taxi Lights (542) LIGHTING (47-089662) 360802.99N/0863932.60W REIL, Rwy, Taxi Lights (600) LIGHTING (47-089748) 360701.79N/0863912.56W REIL, Rwy, Taxi Lights (593) LIGHTING (47-090181) 360612.82N/0863940.17W Approach Lights	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100' VEGETATION PER FPT. 0' VEGETATION APPLIED WITH FPT CONSENSUS BASED ON EXTENSIVE 1A SURVEY DATA.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

<u>AIRPORT ID</u> BNA	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 2R	<u>AMDT NO.</u> 3	<u>CITY</u> NASHVILLE	<u>STATE</u> TN	<u>AIRPORT ELEVATION</u> 599	<u>FACILITY</u> RNAV
--------------------------	--	----------------------	--------------------------	--------------------	---------------------------------	-------------------------

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.94
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	017.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.63
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	017.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)

360645.77N/0864003.51W

ARP COORDINATES

360728.11N/0864041.45W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 2C DISTANCE 1.35 NM

FAF COORDINATES

360112.80N/0864216.59W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DUSTIN HARDISON	AJV-A422	04/11/2025	AERONAUTICAL INFORMATION SPECIALIST