FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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.

AIRPORT ID	PROCEDURE NAME		ORIGINAL/AMENDMENT		CITY		STATE
BNA	RNAV (RNP) Z RWY 20L		3		NASHVILLE		TN
AIRPORT ELEVATION	**TDZE**	**SUPERSEDED**	**ORIGINAL/AMENDMENT**	**DATED**	**MAG VAR**		**EPOCH YEAR**
599	551	RNAV (RNP) Z RWY 20L	2A	12/11/2014	3W		2010
FACILITY	**COORDINATES OF FACILITIES**		**ACTUAL EFFECTIVE DATE**	**REQUIRED EFFECTIVE DATE**		**CANCEL/SUSPEND**	
RNAV				ROUTINE			

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MRNDA	IAF	REABA		TF	FB	1.00	201.08	5.50	5000
REABA		WAYLN		TF	FB	1.00	201.02	4.20	4000
RDNEK	IAF	BOEBO		TF	FB	1.00	290.92	3.00	6000
BOEBO		REABA		RF	FB	1.00	(7.36 NM RADIUS CCW (CFLFQ))	11.53	5000
TURNT	IAF	LICKK		TF	FB	1.00	110.66	4.85	7000
LICKK		REABA		RF	FB	1.00	(7.29 NM RADIUS CW (CFLFT))	11.49	5000
JOGLO	IAF	IDADE		TF	FB	1.00	020.59	3.77	6800
SIPPO	IAF	WOKAP		TF	FB	1.00	021.05	3.90	6700
WAYLN	IF	CRAMR		TF	FB	1.00	201.04	3.15	3000
CRAMR		JUUDD		TF	FB	1.00	201.03	3.15	2000
IDADE	IF	MASHE		TF	FB	1.00	020.61	4.37	5500
MASHE		TOOTO		RF	FB	1.00	(2.88 NM RADIUS CW (CFLFS))	3.33	4500
TOOTO		CRAMR		RF	FB	1.00	(3.06 NM RADIUS CW (CFLFP))	6.10	3000
WOKAP	IF	PBISH		TF	FB	1.00	021.07	4.07	5500
PBISH		CRAMR		RF	FB	1.00	(2.50 NM RADIUS CCW (CFLFV))	7.85	3000
JUUDD	PFAF	RW20L	MAP	TF	FO	0.30	201.01	4.41	
RW20L	MAP	1300 MSL		CA			201.01		1300
1300 MSL		LENON		DF	FO	1.00			4000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300 THEN CLIMBING LEFT 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 CRAMR
3. **FAC:** 201.01 **PFAF:** JUUDD **DIST FAF TO MAP:** **DIST FAF TO THLD:**
4. **MIN ALT:** CRAMR 3000, JUUDD 2000
5. **DIST TO THLD FROM PFAF:** 4.41 **MM:** **IM:** **150 HAT:** **250 HAT:** 0.65 **GS ANT:**
6. **MIN GP INCPT:** 2000 **GP ALT AT PFAF:** JUUDD 2000 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 55.0
8. **MSA FROM:** RW20L 3100

PBN REQUIREMENTS NOTE:

RNP AR APCH – GPS. AUTHORIZATION REQUIRED. FROM RDNEK, TURNT, JOGLO, OR SIPPO: RF

NOTES:

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10°C OR ABOVE 54°C.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 20R.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 4000.
CHART SPEED ICON IN PLANVIEW AT RDNEK: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT TURNT: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT JOGLO: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT SIPPO: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 251.53 INBOUND.
CHART 705 TOWER (47-002563) 360903N/0863953W.
CHART AT OR ABOVE 6000 AT MRNDA.
CHART MANDATORY 6000 AT BOEBO.
CHART MANDATORY 6000 AT RDNEK.
CHART MANDATORY 7000 AT LICKK.
CHART MANDATORY 7000 AT TURNT.
CHART MANDATORY 8000 AT JOGLO.
CHART MANDATORY 8000 AT SIPPO.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.15 DA	801	2400	250	801	2400	250	801	2400	250	801	2400	250			
RNP 0.30 DA	975	4000	424	975	4000	424	975	4000	424	975	4000	424			

CHANGES - REASONS

1. TERMINAL ROUTES: LINE 1: NEW INITIAL SEGMENT FROM MRNDA TO REABA ADDED – ATC REQUEST.
2. TERMINAL ROUTES: LINE 2: NEW INITIAL STEPDOWN SEGMENT FROM REABA TO WAYLN ADDED – ATC REQUEST.
3. TERMINAL ROUTES: LINE 3: NEW INITIAL SEGMENT FROM RDNEK TO BOEBO ADDED – ATC REQUEST.
4. TERMINAL ROUTES: LINE 4: NEW (RF) INITIAL STEPDOWN SEGMENT FROM BOEBO TO REABA ADDED – ATC REQUEST.
5. TERMINAL ROUTES: LINE 5: NEW INITIAL SEGMENT FROM TURNT TO LICKK ADDED – ATC REQUEST.
6. TERMINAL ROUTES: LINE 6: NEW (RF) INITIAL STEPDOWN SEGMENT FROM LICK TO REABA ADDED – ATC REQUEST.
7. TERMINAL ROUTES: LINE 7: ROUTE FROM JOGLO TO IDADE CHANGED FIX TYPE FROM “IF” TO “IAF” AND ALTITUDE CHANGED FROM “4000” TO “6800” – ATC REQUEST.
8. TERMINAL ROUTES: LINE 8: ROUTE FROM SIPPO TO WOKAP CHANGED FIX TYPE FROM “IF” TO “IAF” AND ALTITUDE CHANGED FROM “4000” TO “6700” – ATC REQUEST.
9. TERMINAL ROUTES: LINE 9: NEW INTERMEDIATE SEGMENT FROM WAYLN TO CRAMR ADDED – ATC REQUEST.
10. TERMINAL ROUTES: LINE 10: NEW INTERMEDIATE STEPDOWN SEGMENT FROM CRAMR TO JUUDD ADDED AND PFAF CHANGED FROM YUBUG TO JUUDD – ATC REQUEST.
11. TERMINAL ROUTES: LINE 11: NEW INTERMEDIATE SEGMENT FROM IDADE TO MASHE ADDED – ATC REQUEST.
12. TERMINAL ROUTES: LINE 12: NEW (RF) INTERMEDIATE STEPDOWN SEGMENT FROM MASHE TO TOOTO ADDED – ATC REQUEST.
13. TERMINAL ROUTES: LINE 13: NEW (RF) INTERMEDIATE STEPDOWN SEGMENT FROM TOOTO TO CRAMR ADDED – ATC REQUEST.
14. TERMINAL ROUTES: LINE 14: NEW INTERMEDIATE SEGMENT FROM WOKAP TO PBISH ADDED – ATC REQUEST.
15. TERMINAL ROUTES: LINE 15: NEW (RF) INTERMEDIATE STEPDOWN SEGMENT FROM PBISH TO CRAMR ADDED – ATC REQUEST.
16. TERMINAL ROUTES: LINE 18: MAP CHANGED FROM CENOP TO LENON – ATC REQUEST.
17. TERMINAL ROUTES: REMOVED ROUTES FROM FIXES: WUNOG, HERIR, CUNSU, YUBUG, HILOS, RUDOY, MUUDD, AND MESOE – FIXES AND ROUTES REPLACED WITH NEW PROCEDURE DESIGN PER ATC REQUEST.
18. TERMINAL ROUTES: CNFS FOR RF LEGS: CFFJC, CFFJB, CFFJH REMOVED AND CANCELLED – ATC REQUEST.
19. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 4000 DIRECT CENOP AND HOLD.” TO “CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 4000 DIRECT LENON AND HOLD.” – ATC REQUEST.
20. PROFILE: LINE 2: CHANGED FROM “PROFILE STARTS AT YUBUG” TO “PROFILE STARTS AT CRAMR” – CRAMR IS THE FIRST COMMON FIX ON THE PROFILE.
21. PROFILE: LINE 3: PFAF: CHANGED FROM YUBUG TO JUUDD – TO MATCH PFAF OF OTHER PROCEDURES TO RWY 20L AT ATC REQUEST.
22. PROFILE: LINE 4: MIN ALT: CHANGED FROM “YUBUG 1700” TO “CRAMR 3000, JUUDD 2000” – NEW FIX CRAMR ADDED TO PROFILE.
23. PROFILE: LINE 5: CHANGED FROM “DIST TO THLD FROM OM: 3.50” TO “DIST TO THLD FROM PFAF: 4.41” AND ADDED 316 HAT: 0.85 – PER 8260.19J,8-6-7E.(3)
24. PROFILE: LINE 6: CHANGED FROM “MIN GP INCPT: 1700 GP ALT AT PFAF: YUBUG 1700” TO “MIN GP INCPT: 2000 GP ALT AT PFAF: JUUDD” – PFAF MOVED 0.91 NM AWAY FROM RUNWAY.
25. PROFILE: LINE 7: CHANGE FROM “34:1: IS NOT CLEAR” TO “34:1: IS CLEAR” – PENETRATING OBSTACLE WAS RUNWAY LIGHTING.
26. PROFILE: LINE 7: ADDED 20:1: IS CLEAR – NO OBSTACLES PENETRATE THE 20:1 SURFACE.
27. PROFILE: LINE 7: TCH: CHANGED FROM “46.6” TO “55.0”- ATC REQUEST.
28. PBN REQUIREMENTS NOTE: ADDED RNP AR APCH – GPS. AUTHORIZATION REQUIRED. FROM RDNEK, TURNT, JOGLO, OR SIPPO: RF– PER 8260.19J,8-6-8
29. NOTES: DELETED NOTE: “GPS REQUIRED.” – ADDED PBN REQUIREMENTS NOTE.
30. NOTES: DELETED NOTE: “CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO RNP 0.20.” – RNP 0.20 MINIMUMS WERE REMOVED.
31. NOTES: DELETED “CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2.” – NO LONGER APPLICABLE TO RNP 0.30 MINIMUMS ON THIS PROCEDURE.
32. NOTES: ADDED “CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.15 CAT A, B, AND C VISIBILITY TO RVR 4000.” – PER 8260.19J
33. NOTES: CHANGED CRITICAL TEMPERATURE NOTE FROM “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11°C (13°F) OR ABOVE 54°C (130°F).” TO “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10°C OR ABOVE 54°C.” – UPDATED HISTORIC TEMPERATURE DATA.
34. NOTES: DELETED “CHART PLANVIEW NOTE ADJACENT TO MUUDD: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO JOGLO: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO CULAR: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO MESOE: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO SIPPO: RF REQUIRED.” – SEGMENTS REQUIRING RF WERE ADDED TO PBN REQUIREMENT NOTES.
35. NOTES: DELETED SPEED ICON NOTES FOR CULAR, MUUDD, AND MESOE – FIXES WERE REMOVED FROM THE PROCEDURE.
36. NOTES: ADDED “CHART SPEED ICON IN PLANVIEW AT RDNEK: MAX 210 KIAS.” AND “CHART SPEED ICON IN PLANVIEW AT TURNT: MAX 210 KIAS.” – SPEED RESTRICTION REQUESTED FOR USE WITH STARS.
37. NOTES: DELETED “USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS” – NOT APPLICABLE TO RNP.
38. ADDITIONAL FLIGHT DATA: DELETED ROUTE TYPE AND ROUTE TYPE QUALIFIER NOTES – NO LONGER APPLICABLE.
39. ADDITIONAL FLIGHT DATA: DELETED “#TCH 586.5 MSL (DO NOT CHART)” – NOT RELEVANT TO UPDATED PROCEDURE.
40. ADDITIONAL FLIGHT DATA: CHANGED “CHART MANDATORY 5000 AT JOGLO” TO “CHART MANDATORY 8000 AT JOGLO” – FOR USE WITH STAR.
41. ADDITIONAL FLIGHT DATA: CHANGED “CHART MANDATORY 5000 AT SIPPO” TO “CHART MANDATORY 8000 AT SIPPO” – FOR USE WITH STAR.
42. ADDITIONAL FLIGHT DATA: DELETED MANDATORY ALTITUDES AT CULAR, MESOE, MUUDD, AND WAYLN – NOT RELEVANT TO UPDATED PROCEDURE.
43. ADDITIONAL FLIGHT DATA: ADDED “CHART AT OR ABOVE 6000 AT MRNDA.” – ATC REQUESTED IAF ALTITUDE.
44. ADDITIONAL FLIGHT DATA: ADDED “CHART MANDATORY 6000 AT BOEBO.” AND “CHART MANDATORY 7000 AT LICKK.” – ATC REQUESTED MANDATORY SDF ALTITUDE.
45. ADDITIONAL FLIGHT DATA: ADDED “CHART MANDATORY 6000 AT RDNEK.” AND “CHART MANDATORY 7000 AT TURNT.” – ATC REQUEST FOR USE WITH STARS.
46. ADDITIONAL FLIGHT DATA: CHANGED HOLD INSTRUCTIONS FROM “HOLD SE, RT, 313.24 INBOUND.” TO “HOLD E, RT, 251.53 INBOUND.” – HOLDING WAYPOINT CHANGED.
47. ADDITIONAL FLIGHT DATA: CHANGED CHARTED OBSTACLE FROM “CHART 706 TOWER (47-002563) 360903N/0863953W.” TO “CHART 705 TOWER (47-002563) 360903N/0863953W” –SIGNIFICANT MAN-MADE OBSTACLE IN RNP 0.30 SEGMENT. UPDATED SURVEY ASSIGNED 1A ACCURACY.
48. ADDITIONAL FLIGHT DATA: DELETED “CHART PLANVIEW NOTE: RADAR REQUIRED.” – NO ATC MONITORING IS REQUIRED ON RNP ROUTES. 8260.19J,8-6-8D.(2)(B)
49. MINIMUMS: DELETED RNP 0.20 MINIMUMS – ATC REQUESTED RNP 0.15 MINIMUMS.
50. MINIMUMS: RNP 0.30 CHANGED FROM “CAT A/B/C/D DA 1008, RVR 5500, HAT 457” TO “CAT A/B/C/D DA 990, RVR 4000, HAT 439” – NEW FINAL APPROACH SEGMENT CONTROLLING OBSTACLE. OBSTACLE IMPACT STUDY COMPLETED. FPT REQUESTED LOWEST MINIMUMS.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN

COORDINATED WITH:

A4A [X] **ALPA** [X] **AOPA** [X] **APA** [X] **HAI** [ ] **NBAA** [X] **OTHER:** ZME, BNA APP CON, BNA ATCT, APT MGR, ATA

FLIGHT CHECKED BY	OFFICE	DATE

DEVELOPED BY	OFFICE	DATE
DUSTIN HARDISON	AJV-A422	03/31/2025

APPROVED BY	OFFICE	DATE	TITLE
RAKE MCGRAW	AJV-A422		MANAGER

QUALITY 21 CHECKED

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM	TO
MRNDA	REABA

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.50				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	362748.00N/0862900.00W	1175	215	8	4B	1000				AT2817 AC8	5000
TERRAIN	362645.00N/0863003.00W	931 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL STEPDOWN

FROM	TO
REABA	WAYLN

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	4.20				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-002244)	362236.90N/0863510.20W	1025	50	20	2C	1000				AT1955 AC20	4000
TERRAIN	362236.00N/0863521.00W	793 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

INITIAL

FROM	TO
RDNEK	BOEBO

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	3.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	362909.00N/0862242.00W	1113	215	8	4B	1000				AT3879 AC8	6000
TERRAIN	362842.00N/0862112.00W	816 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL STEPDOWN

FROM	TO
BOEBO	REABA

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	11.53				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-000250)	362805.15N/0862841.31W	1506	250	125	4E	1000				AT2369 AC125	5000
TERRAIN	362806.00N/0862848.00W	1007 (1000)								AS1500	2500

COMPUTATIONS

RF SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
BOEBO-REABA	6000	210	235.85	5401.00	25.35	7.36	7.70					(CFLFQ)/11.53 NM

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

INITIAL

FROM	TO
TURNT	LICKK

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	4.85				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-000967)	363136.00N/0864114.00W	2049	500	50	5D	1000				AT3901 AC50	7000
TERRAIN	363030.00N/0864015.00W	859 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL STEPDOWN

FROM	TO
LICKK	REABA

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	11.49				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	362915.00N/0863303.00W	1149	215	8	4B	1000				AT2843 AC8	5000
TERRAIN	362915.00N/0863303.00W	948 (900)								AS1500	2400

COMPUTATIONS

RF SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
LICKK-REABA	7000	210	239.54	6401.00	39.03	7.29	8.81					(CFLFT)/11.49 NM

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

INITIAL

FROM	TO
JOGLO	IDADE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	3.77				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-001682)	361320.00N/0864438.00W	1129	50	20	2C	1000				AT4651 AC20	6800
TERRAIN	361257.00N/0864506.00W	725 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM	TO
SIPPO	WOKAP

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	3.90				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	360942.00N/0863330.00W	893	215	8	4B	1000				AT4799 AC8	6700
TERRAIN	360942.00N/0863330.00W	692 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

INTERMEDIATE

FROM	TO
WAYLN	CRAMR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	3.15				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	361739.00N/0863524.00W	853	215	8	4B	500				AT1639 AC8	3000
TERRAIN	361736.00N/0863524.00W	652 (700)									700

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM	TO
CRAMR	JUUDD

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	3.15				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	341412.00N/0863439.00W	827	215	8	4B	500				AT665 AC8	2000
TERRAIN	361412.00N/0863439.00W	626 (600)								AS1000	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM	TO
IDADE	MASHE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	4.37				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-001855)	361750.20N/0864511.00W	1161	250	50	4D	1000				AT3289 AC50	5500
TERRAIN	361445.00N/0864509.00W	856 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM	TO
MASHE	TOOTO

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	3.33				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-001855)	361750.20N/0864511.00W	1161	250	50	4D	500				AT2789 AC50	4500
TERRAIN	361839.00N/0864533.00W	892 (900)								AS1500	2400

COMPUTATIONS

RF SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
MASHE-TOOTO	5500	210	234.01	4901.00	47.48	2.88	21.82					(CFLFS)/3.33 NM

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM	TO
TOOTO	CRAMR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	6.10				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	362106.00N/0863857.00W	1017	215	8	4B	500				AT1475 AC8	3000
TERRAIN	362106.00N/0863857.00W	816 (800)								AS1500	2300

COMPUTATIONS

RF SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
TOOTO-CRAMR	4526	210	230.57	3926.69	37.94	3.06	18.95					(CFLFP)/6.1 NM

SEGMENT REMARKS:

INTERMEDIATE

FROM	TO
WOKAP	PBISH

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	4.07				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	361257.00N/0863333.00W	912	215	8	4B	500				AT4080 AC8	5500
TERRAIN	361257.00N/0863333.00W	711 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

INTERMEDIATE STEPDOWN

FROM	TO
PBISH	CRAMR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	7.85				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	361327.00N/0863206.00W	886	215	8	4B	500				AT1606 AC8	3000
TERRAIN	361412.00N/0862812.00W	675 (700)								AS1500	2200

COMPUTATIONS

RF SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
PBISH-CRAMR	5500	210	234.04	4901.00	44.96	2.50	2.50					(CFLFV)/7.85 NM

SEGMENT REMARKS:

FINAL

FROM	TO
JUUDD	RW20L

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	4.41		DA	424	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-002563)	360903.09N/0863952.62W	705	20	3	1A		21.07:1				975

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

FINAL

FROM	TO
JUUDD	RW20L

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.15	4.41		DA	250	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				801

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LEVEL SURFACE

FROM	TO
DA	LENON

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					814

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (47-000496)	360507.00N/0862622.00W	1449	100	20	3C	1000					2500
TERRAIN	360851.00N/0861945.00W	1033 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

MISSED APPROACH: LEVEL SURFACE

FROM	TO
DA	LENON

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.15-1.00					640

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (47-000496)	360507.00N/0862622.00W	1449	100	20	3C	1000					2500
TERRAIN	360851.00N/0861945.00W	1033 (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

MSA

CENTER	RADIUS
RW20L	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	241	9.8	2049	500	50	5D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

BNA APP CON, BNA TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	BNA	24	BNA	1.00	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

BACK-UP ALTIMETER NOT REQUIRED - 24 HOUR CONTROL TOWER WITH REDUNDANT ALTIMETER SOURCES.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW02L - ALSF-2, TDZ, C/LINE, HIRL, PAPI-4R	PIR-G	APPROACH, ROLL OUT
RW02C - MALSR, HIRL	PIR-G	APPROACH
RW02R - ALSF-2, HIRL, C/LINE, TDZ	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW13 - HIRL, REIL	PIR-G	
RW20L - MALSR, HIRL, C/LINE	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW20C - REIL, HIRL, PAPI-4L	PIR-G	ROLL OUT
RW20R - MALSF, C/LINE, HIRL, PAPI-4R	PIR-G	APPROACH, ROLL OUT
RW31 - HIRL, REIL, PAPI-4R	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	540.0	55.0				

FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-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 962 HIGH TEMP 1269.

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BNA	RNAV (RNP) Z RWY 20L	3	NASHVILLE	TN	599	RNAV

ACCEPTABLE OBSTACLES IAW 8260.3G, 3-3-2C. (5) / 10-6-1 / 10-6-2 :
542 LIGHTING (47-089662) 360802.99N/863932.60W

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - RNP.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI: NOT INSTALLED

VDP NOT PUBLISHED: RNP PROCEDURE

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

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**	3.16
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.20
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	198.01
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	600
DISTANCE FROM	THLD	**TO 1500FT POINT**	4.72
WIDTH OF	INTERMEDIATE	**SEGMENT AT 1500FT POINT**	4.00
TRUE COURSE OF	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	198.03
HIGH TERRAIN IN	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	600

THRESHOLD COORDINATES (IF STR-IN)	360801.01N/0863933.40W
ARP COORDINATES	360728.11N/0864041.45W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 2C DISTANCE 1.35 NM
FAF COORDINATES	361213.13N/0863752.36W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DUSTIN HARDISON	AJV-A422	03/31/2025	AERONAUTICAL INFORMATION SPECIALIST