

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> MQY	<u>PROCEDURE NAME</u> ILS OR LOC RWY 32	<u>ORIGINAL/AMENDMENT</u> 7	<u>CITY</u> SMYRNA	<u>STATE</u> TN
<u>AIRPORT ELEVATION</u> 543	<u>TDZE</u> 518	<u>SUPERSEDED</u> ILS OR LOC/DME RWY 32	<u>DATED</u> 08/20/2015	<u>MAG VAR</u> 2W
<u>FACILITY</u> I-MQY	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 APRIL 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1995
			<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BNA VORTAC		JOPIV INT/BNA 23.81 DME					138.49	23.81	3000
JOPIV INT/BNA 23.81 DME	IF/IAF	OXCUIH/BNA 16.49 DME					321.15 (I-MQY)	7.33	2000

MISSED APPROACH

MAP:

ILS: DA
LOC: BNA 11.74 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 060 AND ON BNA VORTAC R-104 TO WORDU/BNA 18.60 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 090 AND ON SYI VOR/DME R-009 TO CUYAG/SYI VOR/DME 24.14 DME AND HOLD S, RT, 008.91 INBOUND, CONTINUE CLIMB-IN-HOLD TO 3000.

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SE JOPIV INT/BNA 23.81 DME, RT, 321.15 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 5000.					
3. FAC: 321.15	FAF: OXCUIH/BNA 16.49 DME	DIST FAF TO MAP:		DIST FAF TO THLD:	4.77
4. MIN ALT: JOPIV INT/BNA 23.81 DME 3000, OXCUIH/BNA 16.49 DME 2000, UJIVA/BNA 13.53 DME 1100					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT: 1099	
6. MIN GS INCPT: 2000	GS ALT AT PFAF: OXCUIH/BNA 16.49 DME 2000			OM:	MM: IM:
7. GS ANGLE: 2.83	34:1:	20:1:	TCH: 51.2		
8. MSA FROM: BNA VORTAC 3100					



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING RWY 14 NA AT NIGHT.
CHART NOTE: DME FROM BNA VORTAC, SIMULTANEOUS RECEPTION OF I-MQY AND BNA DME REQUIRED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 32 CATS C/D VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 283.91 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S CUYAG/SYI VOR/DME 24.14 DME, RT, 008.91 INBOUND.
CHART FAS OBST: 645 POLE (47-097307) 355818N/0862910W.
CHART VDP AT 12.75 DME.
DISTANCE VDP TO THLD 1.02 NM.
CHART IN PLANVIEW: CUYAG/SYI VOR/DME 24.14 DME.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☒

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
S-ILS 32	718	1/2	200	718	1/2	200	718	1/2	200	718	1/2	200			
S-LOC 32	900	1/2	382	900	1/2	382	900	5/8	382	900	5/8	382			
CIRCLING	1100	1	557	1180	1	637	1260	2	717	1480	3	937			



CHANGES - REASONS

1. UPDATED PRIMARY MISSED APPROACH FROM "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 090.00 AND BNA VORTAC R-127 TO CUYAG INT/BNA VORTAC 18.55 DME AND HOLD, OR AS DIRECTED BY ATC." TO "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 080.00 AND ON BNA VORTAC R-104 TO WORDU/BNA 18.60 DME AND HOLD." - ATC REQUESTED MISSED APPROACH REDESIGN.
2. UPDATED ALTERNATE MISSED APPROACH FROM "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 160.00 DIRECT FQW NDB AND HOLD." TO "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 090.00 AND ON SYI VOR/DME R-009 TO CUYAG/SYI VOR/DME 24.14 DME AND HOLD S." - ATC REQUEST, ALTERNATE MISSED REDESIGN DUE TO FQW NDB DECOMMISSION.
3. MISSED APPROACH HOLDING CHANGED FROM HOLD SE, RT, 306.52 INBOUND AT CUYAG TO HOLD E, RT, 283.91 INBOUND AT WORDU. - NEW CLEARANCE LIMIT FIX PER ATC REQUEST.
4. ALTERNATE MISSED APPROACH HOLDING CHANGED FROM HOLD N FQW NDB, LT, 185.72 INBOUND TO HOLD S, RT, 008.91 INBOUND AT CUYAG. - NEW ALTERNATE MISSED APPROACH CLEARANCE LIMIT PER ATC REQUEST AND FQW DECOMMISSION.
5. REMOVED BACKUP ALTIMETER ADJUSTMENT CHART NOTES. - MOVED TO -9 REMARKS AS CONTINGENCY.
6. ADDED DME REQUIRED TO EQUIPMENT REQUIREMENT NOTES - PROCEDURE NAME CHANGED TO EXCLUDE DME FROM PROCEDURE TITLE AND MOVE DME REQUIREMENT TO EQUIPMENT REQUIREMENT NOTES.
7. INCREASED CIRCLING CAT D VISIBILITY FROM 2 3/4 TO 3 - IAW .3E VISIBILITY TABLES.
8. CHANGED CIRCLING CAT B CMDA FROM 1200/657 HAA TO 1180/637 HAA – UPDATED SURVERY DATA, BETTER OBS AC.
9. RAISED LOC MDA FROM 880 TO 900 – NEW CONTROLLING OBS AND CLEAR NOTAM FDC 0/5468.
10. VDP CHANGED FROM "12.66 DME/DIST VDP TO THLD 0.93 NM" TO "12.72 DME/DIST VDP TO THLD 0.98 NM" - PER TARGETS EVALUATION.
11. CHANGED LOC MAP FROM "4.77 NM AFTER OXCUH/BNA VORTAC 16.49 DME" TO "BNA 11.74 DME" - DME REQUIRED FOR APPROACH, TIME TABLE NOT REQUIRED.
12. REMOVED * FROM THE END OF LINE 4 - * NO LONGER DOCUMENTED.
13. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS IAW MEMO 276 ATTACH 4 PARA 5B.

04/11/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/11/2022.

1. ALTERNATE MISSED APPROACH INSTRUCTIONS: ADDED "CONTINUE CLIMB-IN-HOLD TO 3000" - CIH REQUIRED.
2. NOTES: ADDED "CIRCLING RWY 14 NA AT NIGHT" - 20:1 PENETRATION FOUND FOR RWY 14.
3. ADDITIONAL FLIGHT DATA: UPDATED VDP DME DISTANCE FROM "12.72" TO "12.75" AND VDP TO THLD DISTANCE FROM "0.98" TO "1.02" - UPDATED AIRPORT DATA/EVALUATION.

02/18/2025: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/11/2022.

1. MISSED APPROACH INSTRUCTIONS: UPDATED INSTRUCTIONS TO READ "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 060 AND ON BNA VORTAC R-104 TO WORDU/BNA 18.60 DME AND HOLD".
2. MINIMA: CHANGED ALTERNATE MINIMA FROM "ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "NA".



COORDINATED WITH:

A4A

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ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZME, BNA APP CON, MQY ATCT, AMGR

FLIGHT CHECKED BY
GEORGE EDWARD SEARLES

Digitally signed by
DAVID DANNER
Feb 20, 2025

OFFICE

FIOG

DATE

02/05/2025

DEVELOPED BY
PATRICK COMBS

Digitally signed by
TRAVIS D BRISTOW
Feb 19, 2025

OFFICE

AJV-A423

DATE

04/11/2022

APPROVED BY
MARLON J. ROBINSON

Digitally signed by
DAVID DANNER
Feb 20, 2025

OFFICE

AJV-A420

DATE

03/13/2025

TITLE

MANAGER