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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
543	518	ILS OR LOC/DME RWY 32	6A	08/20/2015	2W	1995

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
I-MQY			ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BNA VORTAC		JOPIV INT/BNA 23.81 DME					138.49	23.81	3000
JOPIV INT/BNA 23.81 DME	IF/IAF	OXCUH/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:** OXCUH/BNA 16.49 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 4.77
4. **MIN ALT:** JOPIV INT/BNA 23.81 DME 3000, OXCUH/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:** OXCUH/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

QUALITY 34 CHECKED

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 [X]

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".

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN

COORDINATED WITH:

A4A ☐ **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

QUALITY 34 CHECKED

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN	543	I-MQY

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
BNA VORTAC

TO
JOPIV INT/BNA 23.81 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	23.81				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1. TOWER (47-000821)	355854.20N/0863457.00W	1118	500	50	5D	1000				AT882	3000
2. TERRAIN	360118.00N/0863806.00W	872 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
JOPIV INT/BNA 23.81 DME (IF/IAF)

TO
OXCUH/BNA 16.49 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	7.33				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3. AAO	355112.00N/0861842.00W	1040	164	98	4E	500				AC98 AT362	2000
4. TERRAIN	355221.00N/0861851.00W	843 (800)								AS1000	1800

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
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN	543	I-MQY

FINAL: ILS

FROM	TO
OXCUH/BNA 16.49 DME	RW32

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	4.77		DA	200	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				718

COMPUTATIONS

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

SEGMENT REMARKS:

FAF ALTITUDE REMAINS 2000 FT PER ATC REQUEST.

FINAL: LOC

FROM	TO
OXCUH/BNA 16.49 DME	UJIVA/BNA 13.53 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	2.97				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5. AAO	355717.29N/0862659.55W	809	50	20	2C	250				RA40	1100

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM	TO
UJIVA/BNA 13.53 DME	BNA 11.74 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	1.80		BNA 11.74 DME	382	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
6. POLE (47-097307)	355818.07N/0862910.41W	645	20	3	1A	250					900

COMPUTATIONS

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

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM	TO
JOPIV INT/BNA 23.81 DME	P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-5			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7. AAO	354306.00N/0861351.00W	1592	164	98	4E	1000				AT408	3000
8. TERRAIN	354306.00N/0861351.00W	1392 (1400)								AS1500	2900

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
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN	543	I-MQY

MISSED APPROACH: ILS

FROM	TO
DA	WORDU/BNA 18.60 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00					555

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
9. TOWER (47-000496)	360507.00N/0862622.00W	1449	100	20	3C	1000					2500
10. TERRAIN	360848.00N/0861942.00W	1007 (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: LOC

FROM	TO
BNA 11.74 DME	WORDU/BNA 18.60 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					650

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
9. TOWER (47-000496)	360507.00N/0862622.00W	1449	100	20	3C	1000					2500
10. TERRAIN	360848.00N/0861942.00W	1007 (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
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN	543	I-MQY

MISSED APPROACH ALTERNATE: ILS

FROM	TO
DA	CUYAG/SYI VOR/DME 24.14 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					555

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
11. TOWER (47-000680)	360500.00N/0862551.00W	1449	100	20	3C	1000					2500
12. TERRAIN	355803.00N/0861739.00W	1043 (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 ALTERNATE: LOC

FROM	TO
BNA 11.74 DME	CUYAG/SYI VOR/DME 24.14 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					650

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
11. TOWER (47-000680)	360500.00N/0862551.00W	1449	100	20	3C	1000					2500
12. TERRAIN	355803.00N/0861739.00W	1043 (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
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN	543	I-MQY

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											
13. WATER_TOWER (47-097524)	355958.13N/0863239.37W	1.30	557	791	20	10	1B	300			1100
CATEGORY B											
14. ANTENNA (47-097338)	355943.28N/0863330.17W	1.82	637	866	20	10	1B	300			1180
CATEGORY C											
15. TREE	355753.70N/0863323.25W	2.87	717	959	50	20	2C	300			1260
CATEGORY D											
1. TOWER (47-000821)	355854.20N/0863457.00W	3.74	937	1118	500	50	5D	300		AC50	1480

CIRCLING REMARKS:

MSA

CENTER	RADIUS
BNA VORTAC	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (47-000131)	360827.45N/0865156.48W	274	8.8	2049	20	3	1A	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN	543	I-MQY

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

MQY TOWER, MEM ARTCC, BNA APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	MQY	24	MQY	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	BNA	24	BNA	10.34	Y	30

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KMQY 543, KBNA 588
RA = 29.8.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-MQY		24	3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW01 - MIRL (PCL), REIL, PAPI-4L	NPI-G	
RW19 - MIRL (PCL), REIL, PAPI-4L	NPI-G	
RW14 - REIL (PCL), HIRL (PCL), PAPI-4L	PIR-G	
RW32 - MALSR (PCL), HIRL (PCL), REIL, PAPI-4L	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
2.83	517.3	51.2	511.7	1099	3.00	56.6

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

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

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.

CONTINGENCY ALTIMETER NOTE:
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NASHVILLE INTL ALTIMETER SETTING AND INCREASE S-ILS 32 DA TO 748 FEET; INCREASE ALL MDAS 40 FEET AND S-LOC 32 VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

FOR INOPERATIVE ALS WHEN USING NASHVILLE INTL ALTIMETER SETTING, INCREASE S-LOC 32 CAT C/D VISIBILITY TO 1 1/8 SM.

VDP NA WHEN USING NASHVILLE INTL ALTIMETER SETTING.

AOCC CONFIRMED 24 HR MONITORING OF MQY ILS.

ASSUMED TREE HEIGHT 110 FT PER FPT.

APPROVAL LETTERS:
GPA ANGLE (2.83) LESS THAN 3.00 DEGREES.
VDA (2.83) LESS THAN VGSI ANGLE (3.00).

2-6-3. GPA. USE A STANDARD 3.00 DEGREE GPA WHERE POSSIBLE. A GPA GREATER THAN 3.00 DEGREES BUT NOT MORE THAN THE MAXIMUM (SEE TABLE 2-6-1) IS AUTHORIZED WITHOUT APPROVAL WHEN NEEDED TO PROVIDE OBSTACLE CLEARANCE OR TO MEET SIMULTANEOUS PARALLEL APPROACH STANDARDS. OTHER CASES OR A GPA LESS THAN 3.00 DEGREES REQUIRES APPROVAL (SEE PARAGRAPH 1-4-2). U.S. AIR FORCE (USAF) AND U.S. NAVY (USN) MINIMUM GPA IS 2.50 DEGREES.

2-6-2. GLIDEPATH ANGLE (GPA) AND VERTICAL DESCENT ANGLE (VDA).
B. APPROVAL IS REQUIRED TO ESTABLISH A VDA (OF A PROCEDURE WHERE THE FAC IS STRAIGHT-IN ALIGNED) THAT IS LESS THAN THE ANGLE OF A VGSI INSTALLED TO THE SAME RUNWAY (SEE PARAGRAPH 1-4-2).

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MQY	ILS OR LOC RWY 32	7	SMYRNA	TN	543	I-MQY

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**	3.44
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	0.96
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	319.15
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	600
DISTANCE FROM	THLD	**TO 1500FT POINT**	10.70
WIDTH OF	INTERMEDIATE	**SEGMENT AT 1500FT POINT**	6.71
TRUE COURSE OF	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	319.15
HIGH TERRAIN IN	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	800

THRESHOLD COORDINATES (IF STR-IN)	360004.10N/0863039.38W
ARP COORDINATES	360032.29N/0863112.32W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 14 DISTANCE 0.68 NM
FAF COORDINATES	355627.42N/0862649.04W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
PATRICK COMBS	AJV-A423	04/11/2022	AERONAUTICAL INFORMATION SPECIALIST

QUALITY 34 CHECKED