

**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><b>AIRPORT ID</b></u> KFIT	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 32	<u><b>ORIGINAL/AMENDMENT</b></u> 2	<u><b>CITY</b></u> FITCHBURG	<u><b>STATE</b></u> MA		
<u><b>AIRPORT ELEVATION</b></u> 345	<u><b>TDZE</b></u> 337	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 32	<u><b>ORIGINAL/AMENDMENT</b></u> 1	<u><b>DATED</b></u> 04/22/2021	<u><b>MAG VAR</b></u> 15W	<u><b>EPOCH YEAR</b></u> 2005
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 24 MARCH 2022	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
1. 235/30 CW 055/30	NOPT	DESLO	IF/IAF	3000
2. 055/30 CW 145/30		OWLET	IAF	3500
3. 145/30 CW 235/30		TOPTO	IAF	3600

**TERMINAL ROUTES**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
OWLET	IAF	DESLO	NOPT	TF	FB	1.00	055.15	7.00	3000
TOPTO	IAF	DESLO	NOPT	TF	FB	1.00	235.29	7.00	3000
DESLO	IF/IAF	CLETR		TF	FB	1.00	325.22	9.94	2000
CLETR	FAF	RW32	MAP	TF	FO	0.30	325.11	4.18	
RW32	MAP	745 MSL		CA			325.11		
745 MSL		TAYUN		DF	FB	1.00			
TAYUN		DALIA		TF	FO	1.00	041.12	12.01	3500

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV: RW32

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3500 DIRECT TAYUN AND ON TRACK 041.12 TO DALIA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
14  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE DESLO, RT, 325.22 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 325.11FAF: CLETRDIST FAF TO MAP: 4.18DIST FAF TO THLD: 4.18

4. MIN ALT: DESLO 3000, CLETR 2000

5. DIST TO THLD FROM OM:MM:IM:150 HAT:436 HAT: 0.98GS ANT:

6. MIN GP INCPT: 2000GP ALT AT PFAF : CLETR 2000OM:MM:IM:

7. GP ANGLE: 3.6234:1: IS NOT CLEAR20:1: IS NOT CLEARTCH: 65.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: PROCEDURE NA WHEN R-4102 A&B ARE ACTIVE.  
CHART NOTE: CIRCLING NA SW OF RWY 14-32 AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 203.05 INBOUND.  
FAS OBST: 700 AAO 423029N/0714201W.  
CHART R-4102 A & B.  
WAAS CHANNEL # 48944  
REFERENCE PATH ID: W32A  
CHART CIRCLING ICON.  
LTP HAE: 72.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT B 1100-2, CAT C 1200-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	773	1 1/4	436	773	1 1/4	436	773	1 1/4	436		NA				
LNAV MDA	960	1	623	960	1	623	960	1 3/4	623		NA				
CIRCLING	1080	1	735	1380	1 1/2	1035	1520	3	1175		NA				



**CHANGES - REASONS**

1. CHANGED DESLO-CLETR DISTANCE FROM 9.00 TO 9.94 AND CLETR-RW32 DISTANCE FROM 5.12 TO 4.18 IN TERMINAL ROUTES - CLETR (FAF) MOVED 5741 FEET NORTHEAST TO NEW FAF LOCATION BASED ON UPDATED GPA/TCH
2. CHANGED CLETR-RW32 AND RW32-745 MAP COURSES FROM 325.12 TO 325.11 IN TERMINAL ROUTES - COURSE BASED ON CURRENT EVALUATION AND AIRNAV DATA
3. ADDED "LPV: DA" TO MISSED APPROACH MAP
4. CHANGED FAC ON LINE 3 FROM 325.12 TO 325.11 - COURSE BASED ON CURRENT EVALUATION AND AIRNAV DATA
5. CHANGED DISTANCE FAF TO MAP AND FAF TO THLD ON LINE 3 FROM 5.12 TO 4.18 CLETR (FAF) MOVED 5741 FEET NORTHEAST TO NEW FAF LOCATION BASED ON UPDATED GPA/TCH
6. ADDED "436 HAT: 0.98" TO LINE 5 - LPV MINS ADDED TO APPROACH
7. ADDED 3.62 TO GP ANGLE AND 65.0 TO TCH ON LINE 7 - LPV MINS ADDED TO APPROACH, GPA/TCH USED TO MITIGATE VGS PENETRATIONS AND TO LOWER LPV MINS; WILL BE FLIGHT INSPECTED
8. ADDED VGSI AND RNAV GLIDEPATH NOT COINCIDENT NOTE - VGSI GPA/TCH IS 3.5/46.3 AND APPROACH GPA/TCH IS 3.62/65
9. REMOVED "CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES" FROM ADDITIONAL FLIGHT DATA - GP/TCH ADDED FOR LPV MINIMUMS; WILL BE FLIGHT INSPECTED
10. ADDED "WAAS CHANNEL # 48944", "LTP HAE: 72.1M", AND "REFERENCE PATH ID: W32A" TO ADDITIONAL FLIGHT DATA - ALL REQUIRED FOR LPV MINIMUMS
11. CHANGED FAS OBST IN ADDITIONAL FLIGHT DATA FROM 722 AAO 423026N/0714202W TO 700 AAO 423029N/0714201W - LNAV CONTROLLING OBSTACLE CHANGED FROM 722 AAO TO 700 AAO BASED ON MAP STUDY USING UPDATED TOPO MAPS
12. ADDED LPV DA LINE OF MINIMUMS TO MINIMUMS SECTION - APT REQUEST TO OBTAIN LOWER MINIMUMS FOR LANDING
13. LOWERED LNAV MDA/HAT FROM 980/643 TO 960/623 - LNAV CONTROLLING OBSTACLE CHANGED FROM 722 AAO TO 700 AAO BASED ON MAP STUDY USING UPDATED TOPO MAPS
14. CHANGED LNAV CAT C VIS FROM 1 7/8 SM TO 1 3/4 SM - 8260.3E TABLE 3-3-1
15. CHANGED CIRCLING CAT A MDA/HAA FROM 1040/695 TO 1080/735 - CONTROLLING OBSTACLE CHANGED FROM 722 TREE TO 769 TREE

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, BOS APP CON, AMGR

**FLIGHT CHECKED BY**

SHAWN D MAXWELL

*Digitally signed by***ALLAN WILL**

Feb 15, 2022

**OFFICE**

FPO

**DATE**

02/14/2022

**DEVELOPED BY**

KELLIE R. BARNES

*Digitally signed by***KELLIE R BARNES**

Dec 20, 2021

**OFFICE**

AJV-A423

**DATE**

11/10/2021

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by***ALLAN WILL**

Feb 15, 2022

**OFFICE**

AJV-A420

**DATE****TITLE**  
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFIT
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	423259.8585N
LTP/FTP LONGITUDE	0714510.5200W
LTP/FTP ELLIPSOIDAL HEIGHT	+00721
FPAP LATITUDE	423357.2095N
FPAP LONGITUDE	0714642.8060W
THRESHOLD CROSSING HEIGHT (TCH)	00065.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.62
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5AC17C91

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01002
FPAP ORTHOMETRIC HEIGHT	+01002

