

**RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
WHYBE (IF/IAF)	DEWEE (TF) (FB) (RNP 1.00)	284.85 / 8.88	3000	LPV: DA LNAV/VNAV: DA LNAV: RW29
DEWEE (IF)	SPAGS (TF) (FB) (RNP 1.00)	289.03 / 5.92	2700	
SPAGS (FAF)	RW29 (MAP) (TF) (FO) (RNP 0.30)	288.94 / 5.21		CLIMB TO 3000 DIRECT RILOC AND HOLD.
RW29 (MAP)	1190 MSL (CA)	288.94		
1190 MSL	RILOC (DF) (FO) (RNP 1.00)		3000	ADDITIONAL FLIGHT DATA: HOLD W, LT, 108.76 INBOUND. CHART FAS OBST: 1100 CTRL TWR 421545N/0715214W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.00 NM TO RW29* *LNAV ONLY. WAAS CHANNEL # 82299 REFERENCE PATH ID: W29A CHART CIRCLING ICON. LTP HAE: 272.5 M

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT DEWEE
3. FAC: 288.94 FAF: SPAGS DIST FAF TO MAP: 5.21 THLD: 5.21
4. MIN. ALT: DEWEE 3000, SPAGS 2700
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 2700 GS ALT AT: SPAGS 2700 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 53.6 34:1 IS CLEAR
8. MSA FROM: RW29 3300

MAG VAR: 15W EPOCH YEAR: 1995

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1190	5000	200	1190	5000	200	1190	5000	200	1190	5000	200			
LNAV/VNAV DA	1261	5000	271	1261	5000	271	1261	5000	271	1261	5000	271			
LNAV MDA	1360	5500	370	1360	5500	370	1360	5500	370	1360	5500	370			
CIRCLING	1560	1	551	1720	1	711	2000	3	991	2000	3	991			

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). @ CAT C, D 1000-3  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WHYBE ON V1 EASTBOUND.



CITY AND STATE <b>WORCESTER, MA</b>	ELEVATION: 1009 TDZE: 990 AIRPORT NAME: <b>WORCESTER RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29, AMDT 2, 08/17/2017</b>	SUP: AMDT: <b>1A</b> DATED <b>06/26/2014</b>
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**US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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QUALITY  
10  
CHECKED

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				AMDT: <b>1A</b>
				DATED: <b>06/26/2014</b>

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORH
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	421557.7510N
LTP/FTP LONGITUDE	0715153.9650W
LTP/FTP ELLIPSOIDAL HEIGHT	+02725
FPAP LATITUDE	421603.7400N
FPAP LONGITUDE	0715353.7000W
THRESHOLD CROSSING HEIGHT (TCH)	00053.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER** 645A9424

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03011
FPAP ORTHOMETRIC HEIGHT	+03011



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