

**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> KORH	<u>PROCEDURE NAME</u> ILS OR LOC RWY 11 ILS RWY 11 (CAT II), ILS RWY 11 (CAT III)	<u>ORIGINAL/AMENDMENT</u> 25B	<u>CITY</u> WORCESTER	<u>STATE</u> MA	
<u>AIRPORT ELEVATION</u> 1009	<u>TDZE</u> 980	<u>SUPERSEDED</u> ILS OR LOC RWY 11 ILS RWY 11 (CAT II), ILS RWY 11 (CAT III)	<u>ORIGINAL/AMENDMENT</u> 25A	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 15W
<u>FACILITY</u> I-RSR	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 OCTOBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GDM VOR/DME		RILOC INT/I-RSR 5.50 DME					187.28	16.46 (GDM R-187)	2900
SPENO INT/I-RSR 11.65 DME	IF/IAF	RILOC INT/I-RSR 5.50 DME					108.84	6.21 (I-RSR)	2800

**MISSED APPROACH**

**MAP:**

ILS: DA  
 LOC: 5.54 NM AFTER RILOC INT/I-RSR 5.50 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3100 ON HEADING 230 AND ON GDM VOR/DME R-167 TO LAWRN/GDM 23.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 160 AND PUT VOR/DME R-030 TO TROY Y INT/PUT 7.81 DME AND HOLD.

**PROFILE:**

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF      (IAF)
2. HOLD W RILOC, LT, 108.84 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 108.84      FAF: RILOC INT/I-RSR 5.50 DME      DIST FAF TO MAP: 5.54      DIST FAF TO THLD: 5.54
4. MIN ALT: RILOC INT/I-RSR 5.50 DME 2800
5. DIST TO THLD FROM OM:      MM:      IM: 859      100 HAT: 857      150 HAT:      GS ANT: 1057
6. MIN GS INCPT: 2800      GS ALT AT PFAF: RILOC INT/I-RSR 5.50 DME 2800      OM:      MM:      IM: 1080
7. GS ANGLE: 3.00      34:1:      20:1:      TCH: 55.1
8. MSA FROM: GDM VOR/DME 060-330 3300, 330-060 4400



**NOTES:**

CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 11: CAT A, B, C, D, RA 119, RVR 1200, HAT 100, DA 1080 MSL.  
 CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
 CAT II/III CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.  
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 11 CATS C AND D VISIBILITY TO 1 3/8 SM.  
 CHART NOTE: WHEN CONTROL TOWER CLOSED: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 11 ALL CATS.  
 CHART NOTE: WHEN CONTROL TOWER CLOSED: FOR INOPERATIVE ALS, INCREASE S-LOC 11 CAT C AND D VISIBILITY TO 1 3/8 SM.  
 CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 11: CAT III CAT A, B, C, D, RVR 600.

**ADDITIONAL FLIGHT DATA:**

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE TROY INT, LT, 210.28 INBOUND.  
 CHART IN PLANVIEW: PROCEDURE NA FOR ARRIVALS AT SPENO ON V270 WESTBOUND.  
 CHART IN PLANVIEW: TROY INT/PUT 7.81 DME.  
 CHART IN PLANVIEW: PROCEDURE NA FOR ARRIVAL ON GDM VOR/DME AIRWAY RADIALS 179 CW 246.  
 CHART IN PLANVIEW: GDM VOR/DME R-209 AT SPENO.  
 HOLD S, LT, 347.26 INBOUND.  
 FAS OBST: 1234 AAO 421637N/0715855W.  
 CHART VDP AT 1.41 DME.  
 DISTANCE VDP TO THLD 1.45 NM.  
 CHART CIRCLING ICON.

**MINIMUMS:**

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

**ALTERNATE:** NA

ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C, D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

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 11	1180	1800	200	1180	1800	200	1180	1800	200	1180	1800	200				
S-LOC 11	1500	2400	520	1500	2400	520	1500	5500	520	1500	5500	520				
CIRCLING	1560	1	551	1740	1	731	2000	3	991	2000	3	991				

**CHANGES - REASONS**

1. RAISED CIRCLING CAT B FROM 1720 TO 1740 - NEW CONTROLLING OBSTACLE
2. MAP CHANGED FROM 5.54 NM AFTER RILOC INT/I-RSR 5.44 DME TO 5.54 NM AFTER RILOC INT/I-RSR 5.50 DME - EKW ILS DME ANTENNA RELOCATION
3. CHANGED VDP FROM 1.36 DME TO 1.41 DME - NEW CALCUALTION
4. CHANGED CHART IN PLANVIEW: PROCEDURE NA FOR ARRIVALS AT SPENO ON V229 SOUTHWEST BOUND AND ON V270 WESTSBOUND TO CHART IN PLANVIEW: PROCEDURE NA FOR ARRIVALS AT SPENO ON V270 WESTBOUND - V229 AIRWAY CANCELLED; CANCELS NOTAM 1/1917
5. REMOVED CHART NOTE: WHEN CONTROL TOWER CLOSED: INCREASE S-ILS 11 ALL CATS VISIBILITY TO RVR 4000, AND S-LOC 11 CATS A AND B TO RVR 4000 AND CATS C AND D TO 1 1/4 SM - UPDATING FORMS FROM PRIOR REMOVAL VIA NOTAM 8/9807
6. REMOVED CHART NOTE: DME REQUIRED - NO LONGER REQUIRED



