

**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.

<b>AIRPORT ID</b> DET	<b>PROCEDURE NAME</b> ILS OR LOC RWY 33	<b>ORIGINAL/AMENDMENT</b> 16	<b>CITY</b> DETROIT	<b>STATE</b> MI
<b>AIRPORT ELEVATION</b> 624	<b>TDZE</b> 624	<b>SUPERSEDED</b> ILS OR LOC RWY 33	<b>DATED</b> 07/19/2018	<b>MAG VAR</b> 5W
<b>FACILITY</b> I-VQM	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 26 DECEMBER 2024	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 1980
				<b>CANCEL/SUSPEND</b>

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OBZOF INT	IF/IAF	GOMAC INT	PFAF				328.33 (I-VQM)	5.94	3000

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 7.31 NM AFTER GOMAC INT

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT I-HIDE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- HOLD SE OBZOF INT, RT, 328.33 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 5000.
- FAC:** 328.33                      **FAF:** GOMAC INT                      **DIST FAF TO MAP:** 7.31                      **DIST FAF TO THLD:** 7.31
- MIN ALT:** OBZOF INT 3000, GOMAC INT 3000, NEMKE INT 1360
- DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **GS ANT:** 961
- MIN GS INCPT:** 3000                      **GS ALT AT PFAF:** GOMAC INT 3000                      **OM:**                      **MM:**                      **IM:**
- GS ANGLE:** 3.00                      **34:1:**                      **20:1:**                      **TCH:** 48.7
- MSA FROM:** DXO VOR/DME 2800



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**EQUIPMENT REQUIREMENTS NOTES:**

RADAR REQUIRED FOR PROCEDURE ENTRY.

**NOTES:**

CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

**ADDITIONAL FLIGHT DATA:**

HOLD NW, RT, 148.20 INBOUND.  
CHART FAS OBST: 781 TOWER (26-001924) 422323N/0825906W.  
CHART CIRCLING ICON.

**MINIMUMS:**

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

**ALTERNATE:** NA  ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>												
S-ILS 33	874	3/4	250	874	3/4	250	874	3/4	250	874	3/4	250			
S-LOC 33	1040	1	416	1040	1	416	1040	1 1/8	416	1040	1 1/8	416			
CIRCLING	1180	1	556	1180	1	556	1320	2	696	1500	2 3/4	876			

**CHANGES - REASONS**

1. CHANGED AIRPORT ID FROM KDET TO DET – 8260.19J 8-6-2
2. CHANGED AIRPORT ELEVATION AND TDZE FROM 626 TO 624 – ARP MOVED DUE TO RWY 07/25 CLOSURE
3. DECREASED OBZOF INT – GOMAC INT DISTANCE FROM 5.95 TO 5.94 – GOMAC MOVED 24 FT SE
4. CHANGED LOC MAP FROM 7.30 NM AFTER GOMAC INT TO 7.31 NM AFTER GOMAC INT – GOMAC MOVED 24 FT SE
5. CHANGED PROFILE LINE 3 DIST FAF TO MAP AND FAF TO THLD FROM 7.30 TO 7.31 – GOMAC MOVED 24 FT SE
6. ADDED PROFILE LINE 4 MIN ALT FROM NEMKE INT 1360 –NEW STEPDOWN FIX NEMKE ADDED PER FPT/ATC REQUEST
7. CHANGED PROFILE LINE 5 GS ANT FROM 960 TO 961 – 2020 SURVEY DATA
8. ADDED PBN REQUIREMENTS NOTE “RNP APCH – GPS” AND CHANGED EQUIPMENT REQUIREMENTS NOTE “RNAV 1-GPS AND RADAR REQUIRED” TO “RADAR REQUIRED FOR PROCEDURE ENTRY” – 8260.19J 8-6-8 AND 8-6-9
9. REMOVED CHART NOTE: CIRCLING TO RWY 7, 25 NA AT NIGHT – RWY 07/25 CLOSED
10. CHANGED MISSED APCH HOLDING INBOUND COURSE FROM 148.21 TO 148.20 – ALIGNMENT WITH RWY 33 RNAV INTERMEDIATE COURSE
11. CHANGED FAS OBST FROM 935 STACK 422131N/0825737W TO 781 TOWER (26-001924) 422323N/0825906W – NEW CONTROLLING OBSTACLE DUE TO STEPDOWN FIX
12. ADDED “NA WHEN LOCAL WEATHER NOT AVAILABLE” TO ILS AND LOC ALTERNATE MINIMUMS – 8260.19J 8-6-12.B.(4)
13. CHANGED S-ILS-33 DA FROM 876 TO 874 – TDZE CHANGED FROM 626 TO 624
14. LOWERED S-LOC-15 MDA FROM 1300/674 TO 1040/416, CAT C & D VISIBILITY FROM 1 7/8 TO 1 1/8 – NEW CONTROLLING OBSTACLE/8260.3E TABLE 3-3-1
15. LOWERED CIRCLING CAT A & B MDA/HAA FROM 1300/674 TO 1180/556 – SI ADJUSTMENT NO LONGER REQUIRED/AIRPORT ELEV CHANGED FROM 626 TO 624



**AIRPORT ID**  
DET

**PROCEDURE NAME**  
ILS OR LOC RWY 33

**ORIGINAL/AMENDMENT**  
16

**CITY**  
DETROIT

**STATE**  
MI

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA

**OTHER:** DETROIT APP CON, DETROIT ATCT, AMGR, ZOB

**FLIGHT CHECKED BY**

BRIAN P CARSON

*Digitally signed by*  
**CASIMIR L TABAKA**  
Oct 21, 2024

**OFFICE**

FPO

**DATE**

10/01/2024

**DEVELOPED BY**

JON NEIDIGH

*Digitally signed by*  
**CASIMIR L TABAKA**  
Oct 21, 2024

**OFFICE**

AJV-A432

**DATE**

05/08/2024

**APPROVED BY**

CASIMIR L. TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
Oct 21, 2024

**OFFICE**

AJV-A432

**DATE**

**TITLE**  
MANAGER

