

**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>AIRPORT ID</u> DET	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> DETROIT	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 624	<u>TDZE</u> 623	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>DATED</u> 03/24/2022	<u>MAG VAR</u> 5W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1980
			<u>CANCEL/SUSPEND</u>	

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 058/30 CW 238/30	NOPT	IHIDE	IF/IAF	3000
2. 238/30 CW 328/30		TONYA	IAF	3000
3. 328/30 CW 058/30		ESAYO	IAF	3000

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
ESAYO	IAF	IHIDE	NOPT	TF	FB	1.00	058.12	7.00	3000
TONYA	IAF	IHIDE	NOPT	TF	FB	1.00	238.29	7.00	3000
IHIDE	IF/IAF	GOATT		TF	FB	1.00	148.20	5.34	3000
GOATT	FAF	SIMCA/2.08 NM TO RW15		TF	FB	0.30	148.25	5.21	
SIMCA/2.08 NM TO RW15		RW15	MAP	TF	FO	0.30	148.25	2.08	
RW15	MAP	910 MSL		CA			148.25		
910 MSL		OBZOF		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT OBZOF AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD NW IHIDE, RT, 148.20 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 5000.
3. **FAC:** 148.25 **FAF:** GOATT **DIST FAF TO MAP:** 7.29 **DIST FAF TO THLD:** 7.29
4. **MIN ALT:** IHIDE 3000, GOATT 3000, SIMCA/2.08 NM TO RW15 1340
5. **DIST TO THLD FROM PFAF:** 7.29 **MM:** **IM:** **150 HAT:** **287 HAT:** 0.72 **GS ANT:**
6. **MIN GP INCPT:** 3000 **GP ALT AT PFAF:** GOATT 3000 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 55.9
8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING DTW ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 328.46 INBOUND.
 CHART FAS OBST: 776 TOWER (26-139465) 422641N/0830215W.
 CHART 791 TOWER (26-102382) 422659N/0830217W.
 CHART VDP AT 1.13 NM TO RW15.
 WAAS CHANNEL # 63211
 REFERENCE PATH ID: W15A
 CHART CIRCLING ICON.
 LTP HAE: 155.4 M

MINIMUMS:

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

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

CATEGORY:	A			B			C			D			E		
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS									
LPV DA	910	7/8	287	910	7/8	287	910	7/8	287	910	7/8	287			
LNAV/VNAV DA	1016	1 1/8	393	1016	1 1/8	393	1016	1 1/8	393	1016	1 1/8	393			
LNAV MDA	1040	1	417	1040	1	417	1040	1 1/8	417	1040	1 1/8	417			
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 FROM 626 TO 624 - ARP MOVED DUE TO RWY 07/25 CLOSURE
3. ADDED TAA – PER FPT/ATC REQUEST
4. CHANGED ESAYO-IHIDE COURSE FROM 058.15 TO 058.12, DISTANCE FROM 5.00 TO 7.00, ALTITUDE FROM 2800 TO 3000 – PER FPT/ATC REQUEST
5. ADDED TONYA-IHIDE INITIAL SEGMENT – PER FPT/ATC REQUEST
6. CHANGED INTERMEDIATE SEGMENT FROM IHIDE-BULYN TO IHIDE-GOATT, COURSE FROM 148.21 TO 148.20, DISTANCE FROM 6.10 TO 5.34, ALTITUDE FROM 2800 TO 3000 – PER FPT/ATC REQUEST
7. CHANGED FINAL SEGMENT FROM BULYN-RW15 TO GOATT-SIMCA, FIX TYPE FROM FO TO FB, COURSE FROM 148.26 TO 148.25, DISTANCE FROM 6.53 TO 5.21 – ADDED LNAV STEPDOWN SEGMENT PER FPT/ATC REQUEST
8. ADDED FINAL STEPDOWN SEGMENT SIMCA-RW15 – PER FPT/ATC REQUEST
9. CHANGED MISSED APPROACH CA LEG ALTITUDE FROM 926 TO 910, COURSE FROM 148.26 TO 148.25 – NEW LOWER LPV MINS, FAC ALIGNMENT
10. CHANGED IHIDE HILPT INBOUND COURSE FROM 148.21 TO 148.20, ALTITUDE FROM 2800 TO 3000 – TO ALIGN WITH NEW FAC AND INTERMEDIATE SEGMENT ALTITUDE
11. CHANGED PROFILE LINE 3 FAC FROM 148.26 TO 148.25, DIST FAF TO MAP AND DIST FAF TO THLD FROM 6.53 TO 7.29 – PFAF MOVED 0.76 NM NW
12. CHANGED PROFILE LINE 4 MIN ALT FROM "IHIDE 2800, BULYN 2800" TO "IHIDE 3000, GOATT 3000, SIMCA 1340" – NEW IF/PFAF ALTITUDES, ADDED STEPDOWN FIX
13. CHANGED PROFILE LINE 5 DIST TO THLD FROM PFAF FROM 6.53 TO 7.29, 303 HAT: 0.75 TO 287 HAT: 0.72 – NEW PFAF LOCATION, NEW LOWER LPV MINS
14. CHANGED PROFILE LINE 6 MIN GP INCPT FROM 2800 TO 3000, GP ALT AT PFAF FROM BULYN 2800 TO GOATT 3000 – UPDATED FOR NEW PFAF
15. CHANGED PROFILE LINE 7 TCH FROM 59.7 TO 55.9 – UPDATED TO MATCH ILS TCH
16. REMOVED PROFILE LINE 8 MSA INFORMATION – ADDED TAA
17. REMOVED CHART NOTE: CIRCLING RWY 7, 25 NA AT NIGHT – RWY 7/25 CLOSED
18. CHANGED UNCOMPENSATED BARO-VNAV NOTE FROM "...LNAV/VNAV NA BELOW -16°C..." TO "...LNAV/VNAV NA BELOW -17°C..." – NEW TEMPERATURE STUDY DATA
19. ADDED CHART NOTE: BARO-VNAV AND VDP NA WHEN USING DTW ALTIMETER SETTING – 8260.19J 8-6-10.E.(8-9)
20. CHANGED MISSED APPROACH HOLDING INBOUND COURSE FROM 328.45 TO 328.46 – ALIGNMENT WITH RNAV 33 INTERMEDIATE SEGMENT
21. CHANGED FAS OBST FROM 783 POLE TO 791 TOWER – ADDED STEPDOWN SEGMENT
22. ADDED 7:1 EXCLUDED OBSTACLE 791 TOWER – FINAL SEGMENT LENGTH CHANGE AND ADDITION OF STEPDOWN SEGMENT
23. CHANGED VDP FROM 1.56 NM TO RW15 TO 1.13 NM TO RW15 – NEW LNAV MDA
24. LOWERED LPV DA/HAT FROM 926/303 TO 910/287 – NEW MINS BASED ON UPDATED OBSTACLE SURVEY DATA
25. LOWERED LNAV/VNAV DA/HAT FROM 1078/455 TO 1016/393 AND VISIBILITY FROM 1 3/8 TO 1 1/8 - NEW MINS BASED ON UPDATED OBSTACLE SURVEY DATA
26. LOWERED LNAV MDA/HAT FROM 1180/557 TO 1040/417 AND VISIBILITY CAT C & D FROM 1 5/8 TO 1 1/8 - NEW MINS BASED ON UPDATED OBSTACLE SURVEY DATA
27. INCREASED ALL CIRCLING HAA BY 2 FEET – AIRPORT ELEV CHANGE

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA

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

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

Digitally signed by
CASIMIR L TABAKA
 Oct 21, 2024

OFFICE

AJF

DATE

10/16/2024

DEVELOPED BY

JON NEIDIGH

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JON M NEIDIGH
 Jul 01, 2024

OFFICE

AJV-A432

DATE

05/08/2024

APPROVED BY

CASIMIR L. TABAKA

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CASIMIR L TABAKA
 Oct 21, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDET
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	422504.6775N
LTP/FTP LONGITUDE	0830058.4235W
LTP/FTP ELLIPSOIDAL HEIGHT	+01554
FPAP LATITUDE	422353.1900N
FPAP LONGITUDE	0825946.5905W
THRESHOLD CROSSING HEIGHT (TCH)	00055.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 3847D56F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01899
FPAP ORTHOMETRIC HEIGHT	+01899

