

**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> KDET	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> DETROIT	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 626	<u>TDZE</u> 623	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 1980
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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	058.15	5.00	2800
IHIDE	IF/IAF	BULYN		TF	FB	1.00	148.21	6.10	2800
BULYN	FAF	RW15	MAP	TF	FO	0.30	148.26	6.53	
RW15	MAP	926 MSL		CA			148.26		
926 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:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW IHide, RT, 148.21 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 5000.

3. FAF: 148.26FAF: BULYNDIST FAF TO MAP: 6.53DIST FAF TO THLD: 6.53

4. MIN ALT: IHide 2800, BULYN 2800

5. DIST TO THLD FROM FAF: 6.53MM:IM:150 HAT:303 HAT: 0.75GS ANT:

6. MIN GP INCPT: 2800GP ALT AT PFAF : BULYN 2800OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 59.7

8. MSA FROM: RW15 2800

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING TO RWY 7, 25 NA AT NIGHT.
CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 328.45 INBOUND.
CHART FAS OBST: 783 POLE (26-102382) 422659N/0830217W.
CHART VDP AT 1.56 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	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	926	7/8	303	926	7/8	303	926	7/8	303	926	7/8	303			
LNAV/VNAV DA	1078	1 3/8	455	1078	1 3/8	455	1078	1 3/8	455	1078	1 3/8	455			
LNAV MDA	1180	1	557	1180	1	557	1180	1 5/8	557	1180	1 5/8	557		QUALITY 10 CHECKED	
CIRCLING	1180	1	554	1180	1	554	1320	2	694	1500	2 3/4	874			

CHANGES - REASONS

1. CHANGED RWY 15 TDZE FROM "624" TO "623", MISSED APPROACH CA LEG ALTITUDE FROM "927" TO "926", LPV DA/HAT FROM "927/304" TO "926/303", LNAV/VNAV DA/HAT FROM "1079/456" TO "1078/455", LNAV HAT FROM "556" TO "557", AND LTP HAE FROM "155.3 M" TO "155.4 M" -- NEW SURVEY.
2. REMOVED INITIAL SEGMENT BLUEZ TO IHide AND CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL AT BLUEZ ON T781 EASTBOUND" -- FPT REQUEST.
3. ADDED "MAX 5000" TO PROFILE LINE 2 -- UPDATED IAW 8260.19I, 8-6-7.B(2).
4. REMOVED CHART NOTE "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" -- UPDATED IAW 8260.19I, 8-6-8.B.
5. CHANGED HIGH TEMPERATURE IN UNCOMPENSATED BARO-VNAV NOTE FROM "48C" TO "54C" -- RECALCULATED VALUE.
6. FAS DATA: CRC REMAINDER CHANGED FROM "C43709B9" TO "9D5704AA" -- LTP/FTP COORDINATES CHANGED FROM "422504.6720N/0830058.4550W" TO "422504.6775N/0830058.4235W", ELLIPSOIDAL HEIGHT FROM "+01555" TO "+01554", FPAP COORDINATES FROM "422353.1845N/0825946.6220W" TO "422353.1900N/0825946.5905W", AND ORTHOMETRIC HEIGHT FROM "+01901" TO "+01899".
7. ADDED "DIST TO THLD FROM FAF: 6.53" AND "303 HAT: 0.77" TO PROFILE LINE 5 -- UPDATED IAW 8260.19I, 8-6-7.E.
8. UPDATED LPV VISIBILITIES FROM "1" TO "7/8", LNAV/VNAV VISIBILITIES FROM "1 1/2" TO "1 3/8", AND LNAV VISIBILITIES CAT C FROM "1 1/2" TO "1 5/8" AND CAT D FROM "1 3/4" TO "1 5/8" -- UPDATED IAW 8260.3D VISIBILITY TABLES.
9. CHANGED FAS OBSTACLE FROM "1049 TOWER 422809N/0830655W" TO "783 POLE (26-102382) 422659N/0830217W" -- NEW SURVEY.
10. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS - UPDATED IAW 8260.19I, 8-6-11.B(4).

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB, DETROIT ATCT, DETROIT APP CON, AMGR

FLIGHT CHECKED BY

BRIAN P CARSON

Digitally signed by
JASON KRETSCHMER
Jan 06, 2022

OFFICE

FPO

DATE

12/30/2021

DEVELOPED BY

JASON KRETSCHMER (DANIEL C JOHNSEN)

Digitally signed by
JASON KRETSCHMER
Dec 09, 2021

OFFICE

AJV-A421

DATE

10/27/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
Dec 09, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

QUALITY
10
CHECKED

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)	00059.7
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	9D5704AA

ADDITIONAL PATH POINT RECORD INFORMATION

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

