

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) PRM 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</u> DETROIT METROPOLITAN WAYNE COUNTY	<u>AIRPORT ID</u> KDTW	<u>PROCEDURE NAME</u> RNAV (GPS) PRM Y RWY 4L (CLOSE PARALLEL)	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> DETROIT	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 645	<u>TDZE</u> 645	<u>SUPERSEDED</u> RNAV (GPS) PRM Y RWY 4L (CLOSE PARALLEL)	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 11/10/2016	<u>MAG VAR</u> 7W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
SIZOR	IAF	HURRT		TF	FB	1.00	123.05	6.20	4000
HURRT		COZZY		TF	FB	1.00	056.99	4.73	4000
GRBAC	IAF	MMOTT		TF	FB	1.00	140.94	6.38	3000
MMOTT		RUCOB		TF	FB	1.00	060.33	4.51	3000
SMPTR	IAF	COZZY		TF	FB	1.00	038.07	2.14	4000
COZZY		RUCOB		TF	FB	1.00	038.09	3.14	3000
RUCOB		JITLI		TF	FB	1.00	038.11	4.14	3000
JITLI		PEVSE		TF	FB	1.00	038.14	3.14	3000
PEVSE	IF	MOTWN	PFAF	TF	FB	1.00	038.16	3.14	2000
MOTWN	PFAF	(CFDXT)	MAP	TF	FO	0.30	038.18	4.08	
(CFDXT)	MAP	1100 MSL		CA			038.18		1100
1100 MSL		DOHNT		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 4000 DIRECT DOHNT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT RUCOB

3. FAC:

038.18

PFAF: MOTWN

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: RUCOB 3000, JITLI 3000, PEVSE 3000, MOTWN 2000

5. DIST TO THLD FROM PFAF:

4.08

MM:

IM:

150 HAT:

250 HAT:

0.61

GS ANT:

6. MIN GP INCPT:

2000

GP ALT AT PFAF :

MOTWN 2000

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1:

IS CLEAR

20:1:

IS CLEAR

TCH:

54.9

8. MSA FROM: CFDXT 2800

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 4L AND 4R SEPARATED BY 3000 FEET CENTERLINE TO CENTERLINE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS. DUAL VHF COMM REQUIRED. SEE ADDITIONAL REQUIREMENTS ON AAUP.
CHART SPEED ICON IN PLANVIEW AT SIZOR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT GRBAC: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT SIZOR.
CHART MANDATORY 5000 AT GRBAC.
CHART MANDATORY 4000 AT HURRT.
CHART MANDATORY 3000 AT MMOTT.
CHART LOC RWY 3R/4R.
FICTITIOUS THRESHOLD POINT (CFDXT) DO NOT CHART.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 2.53 DEGREES.
WAAS CHANNEL #73039
REFERENCE PATH ID: W04A
FAC CROSSES RWY C/L EXTENDED 2531 FT FROM THLD.
HOLD NW, RT, 117.62 INBOUND
FTP HAE: 162.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	895	2400	250	895	2400	250	895	2400	250	895	2400	250			
LNAV/VNAV DA	1068	4500	423	1068	4500	423	1068	4500	423	1068	4500	423			



CHANGES - REASONS

- 1. FIX SYKOE CHANGED TO SIZOR - ATC REQUEST DUE TO FIX NAME CONFUSION.
- 2. PROFILE SECTION, LINE 7, ADDED "20:1 IS CLEAR" - 8260.19H REQUIREMENT.
- 3. REPLACED "DME/DME" NOTE WITH PBN REQUIREMENTS NOTE - 8260.19H REQUIREMENT.
- 4. REMOVED FAHRENHEIT VALUES FROM BARO-VNAV NOTE - 8260.19H REQUIREMENT.
- 5. REMOVED CHART PLANVIEW NOTE: RADAR REQUIRED - NO LONGER REQUIRED ON RNAV PROCEDURES.
- 6. REWORDED SIMULTANEOUS APPROACH NOTE - 8260.19H REQUIREMENT.
- 7. ADDED "CHART NOTE: RWY 4L AND 4R SEPARATED BY 3000 FEET CENTERLINE TO CENTERLINE" - SIMILARITY WITH ILS PRM Y RWY 4L.
- 8. ADDITIONAL FLIGHT DATA, ADDED "FICTITIOUS THRESHOLD POINT (CFDXT) DO NOT CHART" - NO REQUIREMENT TO CHART.
- 9. PROFILE SECTION, LINE 3, REMOVED DIST FAF TO MAP - VERTICALLY GUIDED PROCEDURE ONLY.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB, DTW APP CON, METRO TOWER

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by
DAVID DANNER

DATE

Aug 20, 2019

DEVELOPED BY

RUSSELL ROSLEWSKI

Digitally signed by

RUSSELL ROSLEWSKI

OFFICE

AJV-A421

DATE

04/10/2019

APPROVED BY

MARLON ROBINSON

Jun 27, 2019

Digitally signed by

DAVID DANNER

OFFICE

AJV-A420

DATE

Aug 20, 2019

TITLE
MANAGER



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
DETROIT METROPOLITAN WAYNE COUNTY	KDTW	RNAV (GPS) PRM Y RWY 4L (CLOSE PARALLEL)	ORIG-A	DETROIT	MI

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDTW
RUNWAY	RW04L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	421207.2510N
LTP/FTP LONGITUDE	0832301.1310W
LTP/FTP ELLIPSOIDAL HEIGHT	+01621
FPAP LATITUDE	421323.4800N
FPAP LONGITUDE	0832158.9910W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	741059C3
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01967
FPAP ORTHOMETRIC HEIGHT	+01967

