

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>	<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 Z RWY 4R (CLOSE PARALLEL)	1A	DETROIT	MI	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
645	640	RNAV (GPS) PRM Z RWY 4R (CLOSE PARALLEL)	1	05/24/2018	7W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		28 FEBRUARY 2019	ROUTINE			

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>
CLEVR	IAF	BAANG		TF	FB	1.00	091.35	5.00	8000
CAATZ	IAF	ELDNN		TF	FB	1.00	271.88	4.45	8000
BAANG	IAF	JULEP		TF	FB	1.00	035.53	3.14	7000
ELDNN		BAANG		TF	FB	1.00	328.34	5.15	8000
JULEP		CULOP		TF	FB	1.00	035.55	3.14	6000
CULOP		HIMEX		TF	FB	1.00	035.57	3.14	5000
HIMEX		EVABE		TF	FB	1.00	035.60	3.14	4000
EVABE		JELLY		TF	FB	1.00	035.62	3.14	3000
JELLY	IF	ETALE		TF	FB	1.00	035.64	3.15	2000
ETALE	PFAF	RW04R	MAP	TF	FO	0.30	035.67	4.11	
RW04R	MAP	840 MSL		CA			035.67		
840 MSL		LUPAY		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT LUPAY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT BAANG

3. FAC: 035.67

FAF: ETALE

DIST FAF TO MAP:

DIST FAF TO THLD:

4. MIN ALT: BAANG 8000, JULEP 7000, CULOP 6000, HIMEX 5000, EVABE 4000, JELLY 3000, ETALE 2000

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.47

GS ANT:

6. MIN GP INCPT: 2000

GP ALT AT FAF : ETALE 2000

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 52.3

8. MSA FROM: RW04R 2800

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
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 CLEVR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT CAATZ: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART LOC RWY 3R/4L
CHART MANDATORY 9000 AT CAATZ.
860 AAO 420919N/0832545W
CHART AT OR ABOVE 8000 AT CLEVR.
WAAS CHANNEL #87139
REFERENCE PATH ID: W04B
HOLD NE, RT, 215.18 INBOUND
LTP HAE: 159.8 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	840	1800	200	840	1800	200	840	1800	200	840	1800	200			
LNAV/VNAV DA	1021	3500	381	1021	3500	381	1021	3500	381	1021	3500	381			

CHANGES - REASONS

1. ADDED IAF TO BAANG. - ATC REQUEST.



AIRPORT

DETROIT METROPOLITAN WAYNE
COUNTY

AIRPORT ID

KDTW

PROCEDURE NAME

RNAV (GPS) PRM Z RWY 4R
(CLOSE PARALLEL)

ORIGINAL/AMENDMENT

1A

CITY

DETROIT

STATE

MI

COORDINATED WITH:

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

FLIGHT CHECKED BY

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

OFFICE

DATE

Digitally signed by
ROBERT G HAMILTON
Nov 13, 2018

DEVELOPED BY

JIMMY S. HUGHES

Digitally signed by
JIMMY S HUGHES

Nov 09, 2018

OFFICE

AJV-5422

DATE

09/04/2018

APPROVED BY

JULIE MORGAN

OFFICE

AJV-5420

DATE

Digitally signed by
ROBERT G HAMILTON
Nov 13, 2018

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDTW
RUNWAY	RW04R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04B
LTP/FTP LATITUDE	421212.7770N
LTP/FTP LONGITUDE	0832213.3230W
LTP/FTP ELLIPSOIDAL HEIGHT	+01598
FPAP LATITUDE	421352.3650N
FPAP LONGITUDE	0832059.9660W
THRESHOLD CROSSING HEIGHT (TCH)	00052.3
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)	35.0
CRC REMAINDER	309649D0
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01943
FPAP ORTHOMETRIC HEIGHT	+01943

