

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</u> DETROIT METROPOLITAN WAYNE COUNTY	<u>AIRPORT ID</u> KDTW	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 4R	<u>ORIGINAL/AMENDMENT</u> 4A	<u>CITY</u> DETROIT	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 645	<u>TDZE</u> 640	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 4R	<u>ORIGINAL/AMENDMENT</u> 4	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 7W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 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>
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	FAF	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
 LNAV: RW04R

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: 4.11 DIST FAF TO THLD: 4.11
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: MM: IM:
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: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C OR ABOVE 54C.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
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 AT OR ABOVE 8000 AT CLEVR.
860 AAO 420919N/0832545W
CHART MANDATORY 9000 AT CAATZ.
CHART CIRCLING ICON.
CHART VDP AT 1.10 NM TO RW04R*
*LNAV ONLY
WAAS CHANNEL #63004
REFERENCE PATH ID: W04B
CHART FAS OBST: 784 TOWER 421004N/0832342W.
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			
LNAV MDA	1040	2400	400	1040	2400	400	1040	3500	400	1040	3500	400			
CIRCLING	1180	1	535	1180	1	535	1180	1 1/2	535	1240	2	595			



AIRPORT

DETROIT METROPOLITAN WAYNE
COUNTY

AIRPORT ID

KDTW

PROCEDURE NAME

RNAV (GPS) Z RWY 4R

ORIGINAL/AMENDMENT

4A

CITY

DETROIT

STATE

MI

CHANGES - REASONS

- 1. ADDED IAF TO BANG. - ATC REQUEST.



COORDINATED WITH:

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

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

DEVELOPED BY

JIMMY S. HUGHES

Digitally signed by
JIMMY S HUGHES
Nov 09, 2018

APPROVED BY

JULIE MORGAN

OFFICE

OFFICE

AJV-5422

OFFICE

AJV-5420

DATE

DATE

09/04/2018

DATE

Digitally signed by
ROBERT G HAMILTON
Nov 13, 2018

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

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01943
FPAP ORTHOMETRIC HEIGHT	+01943

