

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 4L	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> DETROIT	<u>STATE</u> MI	
<u>AIRPORT ELEVATION</u> 645	<u>TDZE</u> 645	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<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>
SYKOE	IAF	HURRT		TF	FB	1.00	123.05	6.20	4000
HURRT		ACIRA		TF	FB	1.00	065.43	5.00	4000
GRBAC	IAF	MMOTT		TF	FB	1.00	140.94	6.38	3000
MMOTT		ASLLI		TF	FB	1.00	067.53	4.75	3000
NBSTN	IAF	ACIRA		TF	FB	1.00	035.54	2.09	4000
ACIRA		ASLLI		TF	FB	1.00	035.55	3.14	3000
ASLLI		NATYI		TF	FB	1.00	035.58	4.20	3000
NATYI		REGGE		TF	FB	1.00	035.61	3.14	3000
REGGE	IF	PAYED		TF	FB	1.00	035.63	3.14	2000
PAYED	FAF	HIPKA/1.80 NM TO RW04L		TF	FB	0.30	035.65	2.28	
HIPKA/1.80 NM TO RW04L		RW04L	MAP	TF	FO	0.30	035.65	1.80	
RW04L	MAP	1100 MSL		CA			035.65		1100
1100 MSL		DOHNT		DF	FO	1.00			4000



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW04L

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 ASLLI								
3. FAC:	035.65	FAF: PAYED	DIST FAF TO MAP: 4.08	DIST FAF TO THLD: 4.08					
4. MIN ALT:	ASLLI 3000, NATIY 3000, REGGE 3000, PAYED 2000, HIPKA/1.80 NM TO RW04L 1260*								
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:				
6. MIN GP INCPT: 2000	GP ALT AT FAF : PAYED 2000		OM:	MM:	IM:				
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.0						
8. MSA FROM:	RW04L 2800								

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000.
CHART SPEED ICON IN PLANVIEW AT SYKOE: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT GRBAC: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 5000 AT GRBAC.
CHART MANDATORY 4000 AT HURRT.
CHART MANDATORY 3000 AT MMOTT.
CHART MANDATORY 6000 AT SYKOE.
CHART CIRCLING ICON.
CHART VDP AT 1.01 NM TO RW04L*
*LNAV ONLY
WAAS CHANNEL #82241
REFERENCE PATH ID: W04A
CHART FAS OBST: 779 TOWER 421051N/0832322W.
HOLD NW, RT, 117.62 INBOUND
LTP 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	845	1800	200	845	1800	200	845	1800	200	845	1800	200			
LNAV/VNAV DA	1046	4000	401	1046	4000	401	1046	4000	401	1046	4000	401			
LNAV MDA	1040	2400	395	1040	2400	395	1040	3500	395	1040	3500	395			
CIRCLING	1180	1	535	1180	1	535	1180	1 1/2	535	1240	2	595			

CHANGES - REASONS

ORIG.



COORDINATED WITH:

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

FLIGHT CHECKED BY

SHAWN D MAXWELL

Digitally signed by
ROBERT G HAMILTON
Nov 14, 2018

OFFICE

FICO

DATE

11/11/18

DEVELOPED BY

ROBERT G HAMILTON (AUSTIN GOTCHER)

Digitally signed by
ROBERT G HAMILTON
Nov 14, 2018

OFFICE

AJV-5422

DATE

07/17/2018

APPROVED BY

JULIE MORGAN

Digitally signed by
ROBERT G HAMILTON
Nov 14, 2018

OFFICE

AJV-5420

DATE

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	RW04L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	421207.8215N
LTP/FTP LONGITUDE	0832302.4000W
LTP/FTP ELLIPSOIDAL HEIGHT	+01621
FPAP LATITUDE	421334.4520N
FPAP LONGITUDE	0832158.6115W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
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	D8102072

ADDITIONAL PATH POINT RECORD INFORMATION

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

