

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 22R	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> DETROIT	<u>STATE</u> MI	
<u>AIRPORT ELEVATION</u> 645	<u>TDZE</u> 642	<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SUPERSEDED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>
HRRON	IAF	PRYDE		TF	FB	1.00	112.61	6.91	4000
PRYDE		FUDDJ		TF	FB	1.00	189.52	5.71	4000
VALLI	IAF	KLIER		TF	FB	1.00	097.09	7.56	4000
KLIER		FUDDJ		TF	FB	1.00	172.97	3.96	4000
INKSR	IAF	FUDDJ		TF	FB	1.00	215.85	1.39	4000
FUDDJ		TARAH		TF	FB	1.00	215.83	2.14	4000
TARAH		GUYVE		TF	FB	1.00	215.81	3.14	4000
GUYVE		JOYDD		TF	FB	1.00	215.79	3.14	3000
JOYDD		NUJNT		TF	FB	1.00	215.76	3.14	3000
NUJNT	IF	GEETR		TF	FB	1.00	215.74	3.14	2000
GEETR	FAF	RW22R	MAP	TF	FO	0.30	215.72	4.09	
RW22R	MAP	1100 MSL		CA			215.72		1100
1100 MSL		DOHNT		DF	FO	1.00			4000



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW22R

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1100 THEN CLIMBING RIGHT TURN 4000 DIRECT DOHNT AND HOLD, CONTINUE CLIMB IN HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)					
2.	PROFILE STARTS AT FUDDJ									
3. FAC:	215.72	FAP: GEETR	DIST FAF TO MAP: 4.09			DIST FAF TO THLD: 4.09				
4. MIN ALT:	FUDDJ 4000, TARAH 4000, GUYVE 4000, JOYDD 3000, NUJNT 3000, GEETR 2000									
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 : GEETR 2000				OM:	MM:	IM:		
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.0						
8. MSA FROM:	RW22R 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 4500.
CHART SPEED ICON IN PLANVIEW AT HRRON: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT VALLI: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT HRRON.
CHART MANDATORY 4000 AT PRYDE.
CHART MANDATORY 6000 AT VALLI.
CHART MANDATORY 4000 AT KLIER.
CHART CIRCLING ICON.
CHART VDP AT 1.02 NM TO RW22R*
*LNAV ONLY
WAAS CHANNEL #70642
REFERENCE PATH ID: W22A
CHART FAS OBST: 771 ANTENNA 421611N/0832045W.
HOLD NW, RT, 117.62 INBOUND
LTP HAE: 161.2 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	842	1800	200	842	1800	200	842	1800	200	842	1800	200			
LNAV/VNAV DA	948	2400	306	948	2400	306	948	2400	306	948	2400	306			
LNAV MDA	1040	2400	398	1040	2400	398	1040	3500	398	1040	3500	398			
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

Digitally signed by

SHAWN D MAXWELL

ROBERT G HAMILTON

Nov 14, 2018

DEVELOPED BY

ROBERT G HAMILTON (AUSTIN GOTCHER)

Digitally signed by

ROBERT G HAMILTON

Nov 14, 2018

APPROVED BY

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Nov 14, 2018

OFFICE

FICO

DATE

11/11/18

OFFICE

AJV-5422

DATE

07/17/2018

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	RW22R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	421334.4820N
LTP/FTP LONGITUDE	0832158.6115W
LTP/FTP ELLIPSOIDAL HEIGHT	+01612
FPAP LATITUDE	421207.8215N
FPAP LONGITUDE	0832302.4000W
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	 38A28A88

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01957
FPAP ORTHOMETRIC HEIGHT	+01957

