

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
MUMPE (IAF)	GUYVE (FB)	178.98 / 5.95	3000	LPV: DA LNAV/VNAV: DA LNAV: RW22R											
GUYVE (IF)	GEETR (FB)	214.79 / 8.00	2300												
GEETR (FAF)	AAHED/2.60 NM TO RW22R (FB)	214.73 / 2.43		CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SVM VORTAC AND HOLD.											
AAHED/2.60 NM TO RW22R	RW22R (MAP) (FO)	214.73 / 2.60													
RW22R (MAP)	1100 MSL	214.73	1100	ADDITIONAL FLIGHT DATA: HOLD NE, RT, 213.00 INBOUND. CHART FAS OBST: 771 BLDG 421448N/0832057W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.02 MILES TO RW22R* *LNAV ONLY. WAAS CHANNEL # 82001 REFERENCE PATH ID: W22B CHART CIRCLING ICON LTP HAE: 161.2 M											
1100 MSL	SVM VORTAC (FO)		3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT GUYVE 3. FAC: <u>214.73</u> FAF: <u>GEETR</u> DIST FAF TO MAP: <u>5.03</u> THLD: <u>5.03</u> 4. MIN. ALT: GUYVE 3000, GEETR 2300, AAHED/2.60 NM TO RW22R 1520* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>GEETR 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW22R 2800</u>				MAG VAR: 6W EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	842	2400	200	842	2400	200	842	2400	200	842	2400	200			
LNAV/VNAV DA	951	2500	309	951	2500	309	951	2500	309	951	2500	309			
LNAV MDA	1040	2400	398	1040	2400	398	1040	3500	398	1040	3500	398			
CIRCLING	1200	1	555	1200	1	555	1200	1 1/2	555	1240	2	595			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 21L. CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 645 TDZE: 642		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DETROIT, MI		AIRPORT NAME:		DETROIT METROPOLITAN WAYNE COUNTY		RNAV (GPS) RWY 22R, AMDT 2				AMDT: 1A					
						18 SEPTEMBER 2014				DATED 04/05/2012					

QUALITY
9
CHECKED

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NOTES, (CONT.):

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: RADAR REQUIRED.

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CITY AND STATE
DETROIT, MI

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FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KDTW
RUNWAY RW22R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W22B
REFERENCE PATH IDENTIFIER (APPROACH ID) 421334.4815N
LTP/FTP LATITUDE 0832158.6120W
LTP/FTP LONGITUDE +01612
LTP/FTP ELLIPSOIDAL HEIGHT 421207.8225N
FPAP LATITUDE 0832302.4005W
FPAP LONGITUDE 00055.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0000
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 35.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

507F8CDA

ADDITIONAL PATH POINT RECORD INFORMATION

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

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDTWK5FR22R	AMUMPE	010MUMPEK5EA0E	A	IF				18000			A	JS
SUSAP	KDTWK5FR22R	AMUMPE	020GUYVEK5EA0EE	B	010TF	17900060		+ 03000				A	JS
SUSAP	KDTWK5FR22R	R	010GUYVEK5EA0E	I	IF			+ 03000	18000			A	JS
SUSAP	KDTWK5FR22R	R	020GEETRK5EA1E	F	051TF	21480080		+ 02300			RW22R K5PGA	JS	
SUSAP	KDTWK5FR22R	R	020GEETRK5EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KDTWK5FR22R	R	021AAHEDK5EA0E	S	031TF	21470024		V 0152001525		-300		A	JS
SUSAP	KDTWK5FR22R	R	030RW22RK5PGOGY	M	031TF	21470026		00697		-300		A	JS
SUSAP	KDTWK5FR22R	R	040	0	M CA	2147		+ 01100				A	JS
SUSAP	KDTWK5FR22R	R	050SVM	K5D	0VY R DF			+ 03000				A	JS
SUSAP	KDTWK5FR22R	R	060SVM	K5D	0VE R HM	21300040		+ 03000				A	JS

[illegible][illegible]

1	2	3	4	5	6	7	8	9	0	1	2	3
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MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KDTWK5SRW22RK5PG 0 18018002825 M

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	MUMPE	MUMPE	010	IAP	IF		FB					
	MUMPE	GUYVE	020		TF		FB	1.0	179.0(173.0T)	006.0	AA 03000	
		GUYVE	010	FACF	IF		FB				AA 03000	
		GEETR	020	FAF	TF		FB	0.5	214.8(208.8T)	008.0	AA 02300	
		AAHED	021	SDF	TF		FB	0.3	214.7(208.7T)	002.4	AA 01520	GS 01525
		RW22R	030	MAP	TF		FO	0.3	214.7(208.7T)	002.6	AT 00697	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		214.7(208.7T)		AA 01100	
	SVM	050		DF	R	FO				AA 03000	
	SVM	060		HM	R	FO		213.0(207.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SVM	N422431.09	W0833538.05	N4224.518	W08335.634
	AAHED	N421551.37	W0832017.75	N4215.856	W08320.296
	GEETR	N421759.44	W0831843.25	N4217.991	W08318.721
	GUYVE	N422500.65	W0831331.61	N4225.011	W08313.527
	MUMPE	N423055.33	W0831430.56	N4230.922	W08314.509
	RW22R	N421334.48	W0832158.61	N4213.575	W08321.977

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
RW22R	00642	55



CITY AND STATE DETROIT, MI	ELEVATION: 645	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22R, AMDT 2 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY			AMDT: 1A
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