

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**RNAV (RNP) 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 (RNP) X RWY 3R	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> DETROIT	<u>STATE</u> MI	
<u>AIRPORT ELEVATION</u> 645	<u>TDZE</u> 633	<u>SUPERSEDED</u> RNAV (RNP) X RWY 3R	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 JUNE 2018	<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>
MERCA	IAF	SOLDD		TF	FB	1.00	269.70	5.79	6000
SOLDD		BBBOB		RF	FB	1.00	(2.63 NM RADIUS CW (CFDTQ))	2.06	5000
BBBOB		WILOO		RF	FB	1.00	(2.56 NM RADIUS CW (CFPLP))	3.63	5000
WILOO	IAF	LEWUK		TF	FB	1.00	035.56	4.00	5000
LEWUK		HARLA		TF	FB	1.00	035.59	1.14	5000
HARLA		LIONZ		TF	FB	1.00	035.60	2.00	5000
BRDER	IAF	JOSHY		TF	FB	1.00	299.33	5.87	5000
BRAXN	IAF	KNNNY		TF	FB	1.00	214.75	3.50	5000
KNNNY		JOSHY		RF	FB	1.00	(2.75 NM RADIUS CW (CFVCH))	4.06	5000
JOSHY		LIONZ		RF	FB	1.00	(2.75 NM RADIUS CW (CFVCH))	4.63	5000
LIONZ		WATCH		TF	FB	1.00	035.61	3.14	4000
WATCH		RIBME		TF	FB	1.00	035.63	3.14	3000
RIBME	IF	NUVUE	PFAF	TF	FB	1.00	035.66	3.14	2000
NUVUE	PFAF	RW03R	MAP	TF	FO	0.30	035.68	4.12	
RW03R	MAP	1100 MSL		CA			035.68		1100
1100 MSL		GAAGE		DF	FO	1.00			4000

QUALITY  
4  
CHECKED

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 DIRECT GAAGE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2.	PROFILE STARTS AT LIONZ							
3. FAC:	035.68	PFAF: NUVUE	DIST PFAF TO MAP:	DIST PFAF TO THLD:				
4. MIN ALT:	LIONZ 5000, WATCH 4000, RIBME 3000, NUVUE 2000							
5. DIST TO THLD FROM OM:	4.12	MM:	IM:	150 HAT:	388 HAT: 1.05			
6. MIN GP INCPT:	2000	GP ALT AT PFAF :	NUVUE 2000	OM:		MM:		IM:
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	54.3	
8. MSA FROM:	RW03R 2800							

PBN EQUIPMENT REQUIREMENTS NOTES

RNP AR APCH.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19C (-2F) OR ABOVE 54C (130F).  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE ADJACENT TO MERCA IAF: RF REQUIRED.  
CHART PLANVIEW NOTE ADJACENT TO BRDER IAF: RF REQUIRED.  
CHART PLANVIEW NOTE ADJACENT TO BRAXN IAF: RF REQUIRED.  
CHART SPEED ICON IN PLANVIEW AT MERCA: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT BRDER: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT BRAXN: MAX 200 KIAS.

ADDITIONAL FLIGHT DATA:

ROUTE TYPE: A, H  
ROUTE TYPE QUALIFIER 1: F  
ROUTE TYPE QUALIFIER 2: S  
CHART MAXIMUM 6000 AT SOLDD.  
CHART MINIMUM 5000 AT WILOO.  
CHART MINIMUM 5000 AT BRAXN.  
CHART MANDATORY 7000 AT MERCA.  
CHART MANDATORY 6000 AT BRDER.  
CHART MANDATORY 5000 AT BBBOB.  
HOLD SE, RT, 303.46 INBOUND

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
AUTHORIZATION REQUIRED															
RNP 0.30 DA	1021	3500	388	1021	3500	388	1021	3500	388	1021	3500	388			

CHANGES - REASONS

1. REMOVED "RF REQUIRED" FROM PBN REQUIREMENTS NOTE. - INCORRECT NOTE.
2. ADDED "RF REQUIRED" AT BRDER, MERCA AND BRAXN. - REQUIRED TO FLY THE APPROACH FROM THE IAFS.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOB ARTCC, DTW APP CON, METRO TOWER, AMGR

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.

DEVELOPED BY

JIMMY S. HUGHES

APPROVED BY

JULIE MORGAN

Digitally signed by  
JIMMY S HUGHES  
May 02, 2018

OFFICE

AJV-5420

OFFICE

AJV-5420

DATE

05/01/2018

DATE

Digitally signed by  
ROBERT G HAMILTON  
May 08, 2018

Digitally signed by  
ROBERT G HAMILTON  
May 08, 2018

TITLE

MANAGER

