

**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) W RWY 4L	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> DETROIT	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 645	<u>TDZE</u> 645	<u>SUPERSEDED</u> RNAV (RNP) W RWY 4L	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 7W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 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>
SKRUG	IAF	NTHNN		TF	FB	1.00	219.56	7.99	5500
NTHNN		REGGE		RF	FB	1.00	(3.02 NM RADIUS CCW (CFDTM))	9.69	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	PFAF	TF	FB	1.00	035.63	3.14	2000
PAYED	PFAF	RW04L	MAP	TF	FO	0.30	035.65	4.08	
RW04L	MAP	1100 MSL		CA			035.65		1100
1100 MSL		DOHNT		DF	FO	1.00			4000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 4000 DIRECT DOHNT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT REGGE

3. FAC: 035.65

PFAF: PAYED

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: REGGE 3000, PAYED 2000

5. DIST TO THLD FROM PFAF: 4.08

MM:

IM:

150 HAT:

325 HAT: 0.85

GS ANT:

6. MIN GP INCPT: 2000

GP ALT AT PFAF

PAYED 2000

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 54.9

8. MSA FROM: RW04L 2800

PBN REQUIREMENTS NOTE:

RNP AR APCH.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE ADJACENT TO SKRUG IAF: RF REQUIRED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 6000.
CHART SPEED ICON IN PLANVIEW AT SKRUG: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 8000 AT SKRUG.
CHART MINIMUM 4000 AT NBSTN.
HOLD NW, RT, 117.62 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 0.15 DA	970	2600	325	970	2600	325	970	2600	325	970	2600	325			
RNP 0.30 DA	1058	4000	413	1058	4000	413	1058	4000	413	1058	4000	413			

QUALITY
16
CHECKED

CHANGES - REASONS

- 1. TERMINAL ROUTE SKRUG TO NTHNN COURSE AND DISTANCE CHANGED FROM 219.53/3.97 TO 219.56/7.99 - SKRUG MOVED 4 NM NE TO ALLOW MORE DISTANCE FOR DESCENT.
- 2. TERMINAL ROUTE NTHNN TO REGGE RADIUS CHANGED FROM 2.90 TO 3.02 AND DISTANCE FROM 9.31 TO 9.69 - REVISED RF TURN GEOMETRY CAUSED BY SKRUG RELOCATION.
- 3. MISSED APPROACH, ADDED CLIMB-IN-HOLD - AIRCRAFT DOES NOT REACH MISSED APPROACH HOLDING ALTITUDE BEFORE THE HOLDING FIX.
- 4. PROFILE SECTION, LINE 2, NBSTN CHANGED TO REGGE - REGGE IS THE FIRST COMMON FIX.
- 5. PROFILE SECTION, LINE 3, ENTERED "FAF: PAYED" AND "DIST FAF TO MAP" - 8260.19H REQUIREMENT.
- 6. PROFILE SECTION, LINE 4, REMOVED MIN ALT AT NBSTN, ACIRA, ASLLI AND NATIY - FIXES ARE PRIOR TO THE FIRST COMMON FIX.
- 7. PROFILE SECTION, LINE 5, CHANGED "413 HAT" TO "325 HAT" AND DISTANCE FROM 1.12 TO 0.85 - 8260.19H REQUIREMENT TO CHART THE LOWEST HAT VALUES.
- 8. REMOVED CHART NOTE REGARDING TEMPERATURE LIMIT AT SKRUG - REDESIGNED TO ELIMINATE HIGH TEMPERATURE PROBLEMS.
- 9. ADDITIONAL FLIGHT DATA, REMOVED ROUTE TYPE AND QUALIFIER DATA - NO LONGER REQUIRED BY 8260.19H.
- 10. ADDITIONAL FLIGHT DATA, CHANGED MANDATORY ALTITUDE AT SKRUG FROM 7000 TO 8000 - ATC REQUEST.
- 11. ADDITIONAL FLIGHT DATA, ADDED "CHART MINIMUM 4000 AT NBSTN" - ATC REQUEST.

COORDINATED WITH:

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

FLIGHT CHECKED BY

SHAWN D MAXWELL

Digitally signed by

DAVID DANNER

Aug 26, 2019

OFFICE

FICO

DATE

7/27/19

DEVELOPED BY

RUSS ROSLEWSKI

Digitally signed by

RUSSELL ROSLEWSKI

Jun 14, 2019

OFFICE

AJV-A421

DATE

04/23/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

DAVID DANNER

Aug 26, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER

