

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 22R | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> DETROIT | <u>STATE</u> MI |
| <u>AIRPORT ELEVATION</u> 645 | <u>TDZE</u> 642 | <u>SUPERSEDED</u> RNAV (RNP) W RWY 22R | <u>ORIGINAL/AMENDMENT</u> ORIG-A | <u>DATED</u> 06/21/2018 | <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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|-----------------------------|-----------------|-----------------|
| DZMND | IAF | CRLNG | | TF | FB | 1.00 | 035.51 | 7.78 | 5500 |
| CRLNG | | NUJNT | | RF | FB | 1.00 | (2.74 NM RADIUS CW (CFMCL)) | 8.63 | 3000 |
| 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 | PFAF | TF | FB | 1.00 | 215.74 | 3.14 | 2000 |
| GEETR | PFAF | 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:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 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 NUJNT

3. FAC: 215.72

PFAF: GEETR

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: NUJNT 3000, GEETR 2000

5. DIST TO THLD FROM PFAF: 4.09

MM:

IM:

150 HAT:

345 HAT: 0.91

GS ANT:

6. MIN GP INCPT: 2000

GP ALT AT PFAF : 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 AR APCH.

NOTES:

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 DZMND IAF: RF REQUIRED.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500.
CHART SPEED ICON IN PLANVIEW AT DZMND: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 8000 AT DZMND.
CHART MINIMUM 4000 AT INKSR.
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 0.30 DA | 987 | 3000 | 345 | 987 | 3000 | 345 | 987 | 3000 | 345 | 987 | 3000 | 345 | | | |



CHANGES - REASONS

1. TERMINAL ROUTE DZMND TO CRLNG COURSE AND DISTANCE CHANGED FROM 035.54/4.64 TO 035.51/7.78 - DZMND MOVED 3.15 NM SW.
2. MISSED APPROACH, ADDED CLIMB-IN-HOLD - AIRCRAFT DOES NOT REACH MISSED APPROACH HOLDING ALTITUDE BEFORE THE HOLDING FIX.
3. REMOVED FAHRENHEIT VALUES FROM BARO-VNAV NOTE - 8260.19H REQUIREMENT.
4. ADDITIONAL FLIGHT DATA, REMOVED ROUTE TYPE AND QUALIFIER DATA - NO LONGER REQUIRED BY 8260.19H.
5. ADDITIONAL FLIGHT DATA, CHANGED MANDATORY ALTITUDE AT DZMND FROM 7000 TO 8000 - ATC REQUEST.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB, 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

May 03, 2019

OFFICE

AJV-A421

DATE

04/24/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

DAVID DANNER

Aug 26, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER

