

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

**TITLE 14 CFR PART 97.29**

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><br>DETROIT METROPOLITAN WAYNE<br>COUNTY | <u>AIRPORT ID</u><br>KDTW        | <u>PROCEDURE NAME</u><br>ILS Z OR LOC RWY 22R<br>ILS Z RWY 22R (SA CAT I),<br>ILS Z RWY 22R (SA CAT II) | <u>ORIGINAL/AMENDMENT</u><br>4B           | <u>CITY</u><br>DETROIT     | <u>STATE</u><br>MI        |
| <u>AIRPORT ELEVATION</u><br>645                        | <u>TDZE</u><br>642               | <u>SUPERSEDED</u><br>ILS Z OR LOC RWY 22R<br>ILS Z RWY 22R (SA CAT I),<br>ILS Z RWY 22R (SA CAT II)     | <u>ORIGINAL/AMENDMENT</u><br>4A           | <u>DATED</u><br>04/25/2019 | <u>MAG VAR</u><br>7W      |
| <u>FACILITY</u><br>I-JKI                               | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u><br>30 JANUARY 2020   | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      | <u>EPOCH YEAR</u><br>2020 |

**TERMINAL ROUTES**

| FROM                  | FIX TYPE | TO                    | FIX TYPE | LEG TYPE | FO/FB | RNP  | COURSE | DISTANCE     | ALTITUDE |
|-----------------------|----------|-----------------------|----------|----------|-------|------|--------|--------------|----------|
| 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/20.03 DME/RADAR | IAF      | FUDDJ/18.65 DME/RADAR |          |          |       |      | 215.69 | 1.39 (I-JKI) | 4000     |
| FUDDJ/18.65 DME/RADAR |          | TARAH/16.50 DME/RADAR |          |          |       |      | 215.69 | 2.14 (I-JKI) | 4000     |
| TARAH/16.50 DME/RADAR |          | GUYVE/13.36 DME/RADAR |          |          |       |      | 215.69 | 3.14 (I-JKI) | 4000     |
| GUYVE/13.36 DME/RADAR |          | JOYDD/10.21 DME/RADAR |          |          |       |      | 215.69 | 3.14 (I-JKI) | 3000     |
| JOYDD/10.21 DME/RADAR |          | NUJNT/7.07 DME/RADAR  |          |          |       |      | 215.69 | 3.14 (I-JKI) | 3000     |
| NUJNT/7.07 DME/RADAR  | IF       | GEETR/3.92 DME/RADAR  |          |          |       |      | 215.69 | 3.14 (I-JKI) | 2000     |

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 4.09 NM AFTER GEETR/I-JKI 3.92 DME/RADAR OR AT I-JKI 0.17 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 ON DXO VOR/DME R-297 TO DOHNT INT/DXO 15.47 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 DIRECT DOHNT AND HOLD (GPS REQUIRED).

QUALITY  
24  
CHECKED

**PROFILE:**

- 1. **PT**      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- 2. PROFILE STARTS AT FUDDJ
- 3. **FAC:** 215.69      **FAF:** GEETR/3.92 DME/RADAR                      **DIST FAF TO MAP:** 4.09                      **DIST FAF TO THLD:** 4.09
- 4. **MIN ALT:** FUDDJ/18.65 DME/RADAR 4000, TARAH/16.50 DME/RADAR 4000, GUYVE/13.36 DME/RADAR 4000, JOYDD/10.21 DME/RADAR 3000, NUJNT/7.07 DME/RADAR 3000, GEETR/3.92 DME/RADAR 2000
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **100 HAT:** 855                      **150 HAT:** 1809                      **GS ANT:** 1056
- 6. **MIN GS INCPT:** 2000                      **GS ALT AT FAF :** GEETR/3.92 DME/RADAR 2000                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:** 3.00                      **34:1:**                      **20:1:**                      **TCH:** 55.0
- 8. **MSA FROM:** DXO VOR/DME 2800

**EQUIPMENT REQUIREMENTS NOTES:**

RNAV 1-GPS.  
HRRON AND VALLI: RNAV 1-DME/DME/IRU OR GPS REQUIRED. AIRCRAFT NOT DME/DME/IRU OR GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY.

**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 22R: CAT A, B, C, D RA 148, RVR 1400, HAT 150, DA 792 MSL.  
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 22R: CAT A, B, C, D RA 98, RVR 1200, HAT 100, DA 742 MSL.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.  
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART SPEED ICON IN PLANVIEW AT HRRON: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT VALLI: MAX 210 KIAS.  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

**ADDITIONAL FLIGHT DATA:**

CHART MANDATORY 4000 AT PRYDE  
CHART MANDATORY 4000 AT KLIER  
CHART MANDATORY 6000 AT HRRON  
CHART MANDATORY 6000 AT VALLI  
CHART CIRCLING ICON.  
CHART IN PROFILE VIEW: I-JKI DME ANTENNA.  
CHART IN PLANVIEW: DOHNT  
CHART VDP AT 0.92 DME\*  
DISTANCE VDP TO THLD 1.09 NM  
\* LOC ONLY  
CHART FAS OBST: 771 BLDG 421448N/0832057W.  
845 AAO 421706N/0832003W.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W DOHNT, RT, 090.30 INBOUND.  
HOLD NW, RT, 116.62 INBOUND



**MINIMUMS:**  
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

**ALTERNATE:** NA  ILS: STANDARD; LOC: 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 |
| S-ILS 22R** | 842        | 2400   | 200 | 842     | 2400   | 200 | 842     | 2400   | 200 | 842     | 2400   | 200 |         |        |     |         |
| S-LOC 22R   | 1060       | 2400   | 418 | 1060    | 2400   | 418 | 1060    | 4000   | 418 | 1060    | 4000   | 418 |         |        |     |         |
| CIRCLING    | 1180       | 1      | 535 | 1180    | 1      | 535 | 1180    | 1 1/2  | 535 | 1240    | 2      | 595 |         |        |     |         |

**CHANGES - REASONS**

1. UPDATED ALTERNATE MISSED APPROACH FROM "CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 315 AND JXN VOR/DME R-090 TO DOHNT INT/JXN 34.25 DME AND HOLD" TO "CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 DIRECT DOHNT AND HOLD (GPS REQUIRED)". - JXN VORMON AND ATC REQUEST.
2. UPDATED ADDITIONAL FLIGHT DATA ALTERNATE MA HOLDING FROM "HOLD W DOHNT INT/JXN 34.25 DME, RT, 090.30 INBOUND" TO "HOLD W DOHNT, RT, 090.30 INBOUND". - JXN VORMON AND ATC REQUEST.

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

JAMES ONIEAL

*Digitally signed by*  
**WARDELL HENNING**  
Dec 18, 2019

**OFFICE**

FICO

**DATE**

12/14/19

**DEVELOPED BY**

CHRISTINE BAYSE

*Digitally signed by*  
**CHRISTINE BAYSE**  
Oct 25, 2019

**OFFICE**

AJV-A432

**DATE**

08/20/2019

**APPROVED BY**

GEORGE DAVIS

*Digitally signed by*  
**WARDELL HENNING**  
Dec 18, 2019

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER

