

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) 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 ID</u> KMQJ | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 16 | <u>ORIGINAL/AMENDMENT</u> 1C | <u>CITY</u> INDIANAPOLIS | <u>STATE</u> IN | | |
| <u>AIRPORT ELEVATION</u> 862 | <u>TDZE</u> 858 | <u>SUPERSEDED</u> RNAV (GPS) RWY 16 | <u>ORIGINAL/AMENDMENT</u> 1B | <u>DATED</u> 02/28/2019 | <u>MAG VAR</u> 2W | <u>EPOCH YEAR</u> 1985 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024 | <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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| PENDS | | PISIC | | TF | FB | 1.00 | 260.89 | 6.89 | 2900 |
| PISIC | IAF | AYAGO | NOPT | TF | FB | 1.00 | 250.04 | 6.00 | 2500 |
| ZIPPY | IAF | AYAGO | NOPT | TF | FB | 1.00 | 076.51 | 15.15 | 2500 |
| AYAGO | IF/IAF | JOMPO | | TF | FB | 1.00 | 161.97 | 6.79 | 2500 |
| JOMPO | FAF | RW16 | MAP | TF | FO | 0.30 | 162.01 | 5.06 | |
| RW16 | MAP | 1262 MSL | | CA | | | 162.01 | | |
| 1262 MSL | | DOBAC | | DF | FO | 1.00 | | | 2600 |

MISSED APPROACH

MAP:

LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT DOBAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

| | | | | | |
|--|------------------------|----------------|-----------------------|------------------------|-------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD N AYAGO, RT, 161.97 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAF: | 162.01 | FAF: JOMPO | DIST FAF TO MAP: 5.06 | DIST FAF TO THLD: 5.06 | |
| 4. MIN ALT: | AYAGO 2500, JOMPO 2500 | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | GS ANT: | |
| 6. MIN GP INCPT: | GP ALT AT FAF : | OM: | MM: | IM: | |
| 7. GP ANGLE: | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: | | |
| 8. MSA FROM: | RW16 2900 | | | | |

EQUIPMENT REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: VDP NA WHEN USING INDIANAPOLIS ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM; INCREASE CIRCLING VISIBILITY CAT D 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PENDS ON V14-192-210 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZIPPY ON V51-97 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
HOLD S, RT, 342.09 INBOUND.
FAS OBST: 1065 AAO 395508N/0855443W.
1080 AAO 395600N/0855645W.
CHART VDP AT 1.31 NM TO RW16.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

| 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 |
| LNAV MDA | 1320 | 1 | 462 | 1320 | 1 | 462 | 1320 | 1 3/8 | 462 | 1320 | 1 3/8 | 462 | | | |
| CIRCLING | 1340 | 1 | 478 | 1340 | 1 | 478 | 1360 | 1 1/2 | 498 | 1660 | 2 1/2 | 798 | | | |



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM ORIG-A, AMDT 1A AND AMDT 1B INTO THIS FORM - IAW 8260.19I PARA 8-3-4.C (2).
2. PROFILE LINE 2: UPDATED FROM "HOLD N AYAGO, RT, 161.97 INBOUND, 2500 FT. IN LIEU OF PT (IAF)" TO "HOLD N AYAGO, RT, 161.97 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000" - IAW 8260.19I PARA 8-6-7.B (2).
3. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - IAW 8260.19I PARA 8-6-7.G (3).
4. PBN REQUIREMENTS NOTE: CHANGED "RNP APCH" TO "RNP APCH-GPS" - IAW 8260.19I PARA 8-6-8.B (2).
5. UPDATED CHART NOTE: FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C/D VISIBILITY 1/8 SM INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM; INCREASE CIRCLING VISIBILITY CAT D 1/4 SM" - IAW 8260.19I PARA 8-6-11.N (1).
6. CHART PLANVIEW NOTE UPDATED FROM "PROCEDURE NA FOR ARRIVALS AT ZIPPY ON V51-97 NORTHWEST BOUND AND ON V96-285 SOUTHBOUND" TO "PROCEDURE NA FOR ARRIVALS AT ZIPPY ON V51-97 NORTHWEST BOUND" - VICTOR ROUTE REMOVED DUE TO VOR MON.
7. ALTERNATE MINIMUMS: CHANGED FROM "STANDARD EXCEPT CAT D 800-2 1/2" TO "STANDARD EXCEPT CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW 8260.19I PARA 8-6-11.B (4).

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZID, AMGR, IND APP CON

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

DEVELOPED BY

DAVID TEFFETELLER (CODY J. GIVEN)

APPROVED BY

DAVID TEFFETELLER

Digitally signed by

BEV L BORDY

Feb 05, 2024

OFFICE

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DATE

DATE

08/16/2023

DATE

TITLE
MANAGER