

**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</u> INDIANAPOLIS RGNL	<u>AIRPORT ID</u> KMQJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> INDIANAPOLIS	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 862	<u>TDZE</u> 858	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 04/02/2015	<u>MAG VAR</u> 2W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OZMOE	IAF	DOBAC	NOPT	TF	FB	1.00	069.73	13.58	2600
DOBAC	IF/IAF	ANAYU		TF	FB	1.00	342.09	7.00	2500
ANAYU	FAF	RW34	MAP	TF	FO	0.30	342.05	5.06	
RW34	MAP	1058 MSL		CA			342.05		
1058 MSL		AYAGO		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT AYAGO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD S DOBAC, RT, 342.09 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 342.05 **FAF:** ANAYU **DIST FAF TO MAP:** 5.06 **DIST FAF TO THLD:** 5.06
4. **MIN ALT:** ANAYU 2500
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.52 **GS ANT:**
6. **MIN GP INCPT:** 2500 **GP ALT AT FAF :** ANAYU 2500 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 33.0
8. **MSA FROM:** RW34 3100



PBN REQUIREMENTS NOTES:

RNP APCH

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OZMOE ON V128 NORTHWESTBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.

CHART VDP AT 1.3 NM TO RW34*

*LNAV ONLY

WAAS CHANNEL #45634

REFERENCE PATH ID: W34A

FAS OBST: 1060 AAO 394723N/0855207W.

HOLD N, RT, 161.97 INBOUND

LTP HAE: 227.3 M

MINIMUMS:

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

ALTERNATE: NA

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	1058	3/4	200	1058	3/4	200	1058	3/4	200	1058	3/4	200				
LNAV/VNAV DA	1119	7/8	261	1119	7/8	261	1119	7/8	261	1119	7/8	261				
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. DELETED TERMINAL ROUTE CUPJU (IAF) TO DOBAC (NOPT) (FB) - VOR MON, RID VORTAC DECOMMISSIONING.
2. RELOCATED BACKUP ALTIMETER NOTE, BARO VNAV AND VDP NA NOTE TO BACK OF -9- IAW 8260.19H 8-6-9 F (3).
3. DELETED CHART NOTE: DME/DME RNP-0.3 NA - NOTE NO LONGER REQUIRED.
4. ADDED PBN REQUIREMENTS NOTE: RNP APCH - NEW NOTE REQUIREMENT.
5. UPDATED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - IAW 8260.19H 8-6-9 M (2).
6. CRC REMAINDER CHANGED FROM 545E4C5C TO 96E0AA33 - FPAP COORDINATES CHANGED FROM 395201.6900N/0855404.0300W TO 395201.6850N/0855404.0280W.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZID, AIRPORT MGR, IND APP CON

FLIGHT CHECKED BY

JOHN R CLOUGH

Digitally signed by
ROBERT G HAMILTON

OFFICE

FICO

DATE

7/18/18

DEVELOPED BY

JOHN HAZELTON

Jul 24, 2018
Digitally signed by
ROBERT G HAMILTON

OFFICE

AJV-5421

DATE

05/03/2018

APPROVED BY

JULIE MORGAN

Jul 24, 2018
Digitally signed by
ROBERT G HAMILTON
Jul 24, 2018

OFFICE

AJV-5420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMQJ
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	395037.8775N
LTP/FTP LONGITUDE	0855324.5080W
LTP/FTP ELLIPSOIDAL HEIGHT	+02273
FPAP LATITUDE	395201.6850N
FPAP LONGITUDE	0855404.0280W
THRESHOLD CROSSING HEIGHT (TCH)	00033.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1560
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	96E0AA33

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02612
FPAP ORTHOMETRIC HEIGHT	+02612

