

**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 METROPOLITAN	<u>AIRPORT ID</u> KUMP	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> INDIANAPOLIS	<u>STATE</u> IN	
<u>AIRPORT ELEVATION</u> 811	<u>TDZE</u> 805	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<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>
DEEKS		HUBLI		TF	FB	1.00	235.29	5.26	2900
ZIPPY		CRILO		TF	FB	1.00	355.07	3.15	2500
CRILO	IAF	AYUDA	NOPT	TF	FB	1.00	058.44	7.00	2500
HUBLI	IAF	AYUDA	NOPT	TF	FB	1.00	238.52	7.00	2500
AYUDA	IF/IAF	PORCO		TF	FB	1.00	148.44	6.07	2400
PORCO	FAF	FOLIV/3.50 NM TO RW15		TF	FB	0.30	148.57	1.44	
FOLIV		RW15	MAP	TF	FO	0.30	148.57	3.50	
RW15	MAP	1211 MSL		CA			148.57		
1211 MSL		INOYO		DF	FO	1.00			2900

**MISSED APPROACH**

**MAP:**

LNAV: RW15

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2900 DIRECT INOYO AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NW AYUDA, RT, 148.49 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 148.57FAF: PORCODIST FAF TO MAP: 4.93DIST FAF TO THLD: 4.93

4. MIN ALT: AYUDA 2500, PORCO 2400, FOLIV/3.50 NM TO RW15 1940

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 CLEAR20:1: IS CLEARTCH:

8. MSA FROM: RW15 2900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: VDP NA WHEN USING INDIANAPOLIS INTL ALTIMETER SETTING.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DEEKS VIA V11 NORTHEAST BOUND AND ARRIVALS AT ZIPPY VIA V96-285 SOUTHBOUND.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INLT ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND LNAV CAT C VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
PORCO TO RW15: 3.00/43.  
CHART VDP AT 1.28 NM TO RW15  
CHART FAS OBST: 930 TOWER 395703N/0860237W.  
1008 AAO 395908N/0860524W.  
HOLD SE, RT, 328.67 INBOUND

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	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	1240	1	435	1240	1	435	1240	1 1/4	435		NA				
CIRCLING	1320	1	509	1340	1	529	1340	1 1/2	529		NA				



CHANGES - REASONS

1. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - IAW 8260.19H PARA 8-6-10.T. & UPDATE TO NEW CIRCLING CRITERIA.
2. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTES AND DELETED "CHART NOTE: DME/DME RNP - 0.3 NA" FROM NOTES SECTION - IAW 8260.19H.
3. UPDATED FEEDER SEGMENT LEG DEEKS TO HUBLI COURSE AND DISTANCE CHANGED FROM 236.16/7.25NM TO 235.29/5.26NM - MOVED HUBLI NORTHEAST 2NM - IAW 8260.58A.
4. UPDATED FEEDER SEGMENT LEG ZIPPY TO CRILO COURSE AND DISTANCE CHANGED FROM 018.94/4.42NM TO 355.07/3.15NM - MOVED CRILO SOUTHWEST 2NM - IAW 8260.58A.
5. UPDATED PORCO TO FOLIV COURSE/DISTANCE FROM 148.54/1.37 NM TO 148.57/1.44 NM- MOVED FAF PORCO 381.77FT NORTHWEST.
6. UPDATED FOLIV TO RW15 COURSE FROM 148.54 TO 148.57- MOVED SDF FOLIV 38.79FT SOUTHEAST.
7. INCREASED LNAV MDA/HAT FROM 1180/375 TO 1240/435 AND INCREASED CAT C VIS FROM 1SM TO 1 1/4SM - NEW CONTROLLING OBSTACLE.
8. VDP DISTANCE CHANGED FROM 1.10 NM TO 1.28 NM - LNAV MDA CHANGED FROM 1180 TO 1240.
9. UPDATED CRILO TO AYUDA INITIAL SEGMENT LEG COURSE AND DISTANCE FROM 058.43/5NM TO 058.44/7NM - IAW 8260.58A.
10. UPDATED HUBLI TO AYUDA INITIAL SEGMENT LEG COURSE AND DISTANCE FROM 238.55/5NM TO 238.52/7NM - IAW 8260.58A.
11. CHANGED FAS OBST FROM 919 TREE TO 930 TOWER AND CHANGED 7:1 OBST FROM 934 TREE TO 1008 AAO - NEW CONTROLLING OBSTACLE AND MAP STUDY.

COORDINATED WITH:

A4A☐

ALPA☒

AOPA☒

APA☒

HAI☐

NBAA☒

OTHER: ZID, IND APP CON, AMGR, ATA

FLIGHT CHECKED BY

JEFFREY W HARING

Digitally signed by

WARDELL HENNING

Apr 12, 2019

OFFICE

FICO

DATE

4/10/19

DEVELOPED BY

WARDELL HENNING (ANTHONY KACZKA)

Digitally signed by

WARDELL HENNING

Apr 12, 2019

OFFICE

AJV-A432

DATE

02/22/2019

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

WARDELL HENNING

Apr 12, 2019

OFFICE

A43

DATE

TITLE

MANAGER

