

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW25  CLIMB TO 2900 DIRECT RAPBO AND ON TRACK 142.59 TO SHB VOR/DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 322.71 INBOUND. CHART FAS OBST: 969 TREE 395028N/0855305W 1109 AAO 395133N-0854625W DISTANCE TO THLD FROM 300 HAT: 0.78 NM. CHART VDP AT 0.96 NM TO RW25* *LNAV ONLY. WAAS CHANNEL # 56310 REFERENCE PATH ID: W25A CHART CIRCLING ICON. LTP HAE: 227.6 M					
SHB VOR/DME	KOYDE (FB)			040.73 / 15.13			2900								
NEWTO (IAF)	FOGBU (NOPT) (FB)			270.77 / 8.65			2700								
PENDS (IAF)	FOGBU (NOPT) (FB)			168.68 / 11.81			2700								
KOYDE (IAF)	FOGBU (NOPT) (FB)			342.19 / 5.00			2700								
FOGBU (IF/IAF)	HUDAX (FB)			252.17 / 6.01			2700								
HUDAX (FAF)	RW25 (MAP) (FO)			250.09 / 5.53											
RW25 (MAP)	1160 MSL			250.09											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E FOGBU, RT, 252.17 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 252.09 FAF: HUDAX DIST FAF TO MAP: 5.53 THLD: 5.53 4. MIN. ALT: FOGBU 2700, HUDAX 2700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2700 GS ALT AT: HUDAX OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.1 34:1 IS NOT CLEAR 8. MSA FROM: RW25 3100															
										MAG VAR: 2W			EPOCH YEAR: 1985		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		<input checked="" type="checkbox"/> X			
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1160	1/2	300	1160	1/2	300	1160	1/2	300	1160	1/2	300			
LNAV/VNAV DA	1259	7/8	399	1259	7/8	399	1259	7/8	399	1259	7/8	399			
LNAV MDA	1220	1/2	360	1220	1/2	360	1220	5/8	360	1220	5/8	360			
CIRCLING	1340	1	478	1340	1	478	1360	1 1/2	498	1660	2 1/2	798			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING INDIANAPOLIS INTL ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PENDS ON V14-192-210 NORTHEAST BOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE			ELEVATION: 862 TDZE: 860			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
INDIANAPOLIS, IN			AIRPORT NAME:			INDIANAPOLIS RGNL			RNAV (GPS) RWY 25, ORIG-B				AMDT: ORIG-A		
									5 JANUARY 2017				DATED 04/28/2016		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
1160 MSL	RAPBO (FB)		
RAPBO	SHB VOR/DME (FO)	142.59	2900

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SHB VOR/DME AIRWAY RADIALS 028 CW 080 AND AT NEWTO ON V50 EASTBOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL DA 55 FEET AND ALL MDA 60 FEET, AND INCREASE ALL VISIBILITIES 1/2 MILE.

CHART NOTE: WHEN USING INDIANAPOLIS ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 MILE.

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5 JANUARY 2017

SUP: **ORIG-A**  
AMDT: **ORIG-A**  
DATED: **04/28/2016**

QUALITY  
24  
CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMQJ
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	395031.9835N
LTP/FTP LONGITUDE	0855327.8945W
LTP/FTP ELLIPSOIDAL HEIGHT	+02276
FPAP LATITUDE	395012.0500N
FPAP LONGITUDE	0855439.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00053.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 7C3FC9E4

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02615
FPAP ORTHOMETRIC HEIGHT	+02615

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RNAV (GPS) RWY 25, ORIG-B  
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<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33</b>												Bearings, headings, courses, 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 in feet RVR.		
ARINC SUMMARY - KMQJ  ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
FOGBU	010	FOGBU	HF	FO		252.2			R			AA 02700		EE A
NEWTO	010	NEWTO	IF	FB										E A
NEWTO	020	FOGBU	TF	FB	1.0	270.8						AA 02700		EE B
PENDS	010	PENDS	IF	FB										E A
PENDS	020	FOGBU	TF	FB	1.0	168.7						AA 02700		EE B
SHB	010	SHB	IF	FB										V
SHB	020	KOYDE	TF	FB	2.0	040.7						AA 02900		E A
SHB	030	FOGBU	TF	FB	1.0	342.2						AA 02700		EE B
	010	FOGBU	IF	FB								AA 02700		E I
	020	HUDAX	TF	FB	1.0	252.2				RW25		AA 02700		E F
	030	RW25	TF	FO	0.3	250.1		3.00				AT 00911		GY M
	040		CA	FB		250.1						AA 01160		M
	050	RAPBO	DF	FB	1.0									E
	060	SHB	TF	FO	1.0	142.6						AA 02900		VY
	070	SHB	HM	FO		322.7			R			AA 02900		VE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
SHB			N393757.15			W0854927.54								
NEWTO			N395439.55			W0852808.36								
PENDS			N400557.83			W0854254.47								
FOGBU			N395427.90			W0853922.32								
HUDAX			N395225.29			W0854642.77								
KOYDE			N394945.44			W0853710.22								
RAPBO			N394830.65			W0860040.08								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW25		N395031.98		W0855327.89		00858		53.1						

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