

**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> MQJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> INDIANAPOLIS	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 862	<u>TDZE</u> 861	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>DATED</u> 04/27/2017	<u>MAG VAR</u> 2W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1985
			<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>
SHB VOR/DME		KOYDE		TF	FB	1.00	040.73	15.13	2900
NEWTO	IAF	FOGBU	NOPT	TF	FB	1.00	270.77	8.65	2700
PENDS	IAF	FOGBU	NOPT	TF	FB	1.00	168.68	11.81	2700
KOYDE	IAF	FOGBU	NOPT	TF	FB	1.00	342.19	5.00	2700
FOGBU	IF/IAF	HUDAX		TF	FB	1.00	252.17	6.01	2700
HUDAX	FAF	RW25	MAP	TF	FO	0.30	252.09	5.53	
RW25	MAP	1160 MSL		CA			252.09		
1160 MSL		RAPBO		DF	FB	1.00			
RAPBO		SHB VOR/DME		TF	FO	1.00	142.59	13.64	2900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2900 DIRECT RAPBO AND ON TRACK 142.59 TO SHB VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|--------------------------|------------------------|----------------|----------------------|---------------|------------------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD E | FOGBU, RT, 252.17 | INBOUND, 2700 | IN LIEU OF PT (IAF), | MAX 6000. | |
| 3. FAC: | 252.09 | FAF: HUDAX | DIST FAF TO MAP: | 5.53 | DIST FAF TO THLD: 5.53 |
| 4. MIN ALT: | FOGBU 2700, HUDAX 2700 | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 299 HAT: 0.78 | GS ANT: |
| 6. MIN GP INCPT: 2700 | GP ALT AT PFAF: HUDAX | | | OM: | MM: |
| 7. GP ANGLE: 3.00 | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 53.1 | | IM: |
| 8. MSA FROM: RW25 3100 | | | | | |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING IND ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SHB VOR/DME AIRWAY RADIALS 312 CW 028 AND AT NEWTO ON V50 EASTBOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IND ALTIMETER SETTING AND INCREASE LPV DA TO 1215 FEET; INCREASE LNAV/VNAV DA TO 1318 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM AND CIRCLING VISIBILITY CAT C/D 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM; AND INCREASE LNAV CAT A AND CAT B VISIBILITY TO 1 SM, AND CAT C AND CAT D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 322.71 INBOUND.
FAS OBST: 1093 AAO 395215N/0854736W.
CHART VDP AT 1.40 NM TO RW25.
WAAS CHANNEL # 56310
REFERENCE PATH ID: W25A
LTP HAE: 227.6 M

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
LPV DA	1160	3/4	299	1160	3/4	299	1160	3/4	299	1160	3/4	299				
LNAV/VNAV DA	1263	3/4	402	1263	3/4	402	1263	3/4	402	1263	3/4	402				
LNAV MDA	1360	3/4	499	1360	3/4	499	1360	1	499	1360	1	499				
CIRCLING	1360	1	498	1360	1	498	1360	1 1/2	498	1660	2 1/2	798				



CHANGES - REASONS

1. PROFILE LINE 2: ADDED "MAX 6000" – IAW 8260.19K, 8-6-7B(2)A.
2. PROFILE LINE 5: MOVED DISTANCE TO THLD FROM 300 HAT: 0.78 NM" FROM ADDITIONAL FLIGHT DATA AND CHANGED TO "DIST TO THLD FROM OM: 299 HAT: 0.78" – IAW 8260.19K, 8-6-7E(3), CANCELS FDC NOTAM 5/8950.
3. PROFILE LINE 7: CHANGED 34:1 FROM "IS CLEAR" TO "IS NOT CLEAR", ADDED "20:1 IS CLEAR" – IAW 8260.19K, 8-6-7G(3)A.
4. PBN REQUIREMENTS: REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" FROM NOTES AND ADDED "RNP APCH – GPS" - CANCELS FDC NOTAM 5/8950.
5. NOTES: CHANGED FROM "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SHB VOR/DME AIRWAY RADIALS 028 CW 080 AND AT NEWTO ON V50 EASTBOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SHB VOR/DME AIRWAY RADIALS 312 CW 028 AND AT NEWTO ON V50 EASTBOUND" – 080 RADIAL NO LONGER PUBLISHED.
6. NOTES: CHANGED FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" – CANCELS FDC NOTAM 5/8950.
7. NOTES: ADDED "CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - CANCELS FDC NOTAM 5/8950.
8. NOTES: CHANGED FROM "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING INDIANAPOLIS INTL ALTIMETER SETTING" TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING IND ALTIMETER SETTING" – CURRENT DOCUMENTATION STANDARDS.
9. NOTES: REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PENDS ON V14-192-210 NORTHEAST BOUND" – AIRWAY REMOVED FROM PENDS -2.
10. NOTES: CHANGED FROM "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 SM" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IND ALTIMETER SETTING AND INCREASE LPV DA TO 1215 FEET; INCREASE LNAV/VNAV DA TO 1318 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM AND CIRCLING VISIBILITY CAT C/D 1/4 SM" – CANCELS FDC NOTAM 5/8950.
11. NOTES: CHANGED FROM "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 1 SM" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM; AND INCREASE LNAV CAT A AND CAT B VISIBILITY TO 1 SM, AND CAT C AND CAT D VISIBILITY TO 1 3/8 SM" – CANCELS FDC NOTAM 5/8950.
12. NOTES: REMOVED "CHART NOTE: WHEN USING INDIANAPOLIS ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY" – NO LONGER REQUIRED PER CRITERIA.
13. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART FAS OBST: 969 TREE 395028N/0855305W" TO "FAS OBST: 1093 AAO 395215N/0854736W" – NEW OBSTACLE EVALUATION.
14. ADDITIONAL FLIGHT DATA: REMOVED "1109 AAO 395133N/0854625W" – 7:1 OBSTACLE NO LONGER CHARTED PER CRITERIA.
15. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART VDP AT 0.96 NM TO RW25" TO "CHART VDP AT 1.40 NM TO RW25", REMOVED "" – RAISED LNAV MDA, "" NO LONGER REQUIRED PER CRITERIA.
16. ADDITIONAL FLIGHT DATA: REMOVED ""LNAV ONLY" – NO LONGER REQUIRED PER CRITERIA.
17. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" – NO LONGER REQUIRED PER CRITERIA.
18. MINIMUMS: CHANGED LPV HAT FROM "300" TO "299", RAISED VISIBILITY FROM "1/2" TO "3/4" – CANCELS FDC NOTAM 5/8950, IAW 8260.3G, TABLE 3-3-1.
19. MINIMUMS: RAISED LNAV/VNAV DA/HAT FROM "1259/399" TO "1263/402", LOWERED VISIBILITY FROM "7/8" TO "3/4" – NEW OBSTACLE EVALUATION, IAW 8260.3G, TABLE 3-3-1, CANCELS FDC NOTAM 5/8950.
20. MINIMUMS: RAISED LNAV MDA/HAT AND VISIBILITIES FROM "1220/360, CAT A/B 1/2 SM, CAT C/D 5/8 SM" TO "1360/499, CATS A/B 3/4 SM, CATS C/D 1 SM" - NEW OBSTACLE EVALUATION, IAW 8260.3G, TABLE 3-3-1, CANCELS FDC NOTAM 5/8950.
21. MINIMUMS: RAISED CIRCLING CATS A/B CMDA/HAA FROM "1340/478" TO "1360/498" – NEW OBSTACLE EVALUATION.
22. FAS DATA: CHANGED CRC REMAINDER FROM "7C3FC9E4" TO "9E6F6607" – LTP/FTP LONGITUDE CHANGED FROM "0855327.8945W" TO "0855327.8925W", FPAP LAT/LONG CHANGED FROM "395012.0500N/ 0855439.0400W" TO "395001.5035N/ 0855516.5950W", COURSE WIDTH AT THRESHOLD CHANGED FROM "106.50" TO "106.75".

COORDINATED WITH:

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

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by

CASIMIR L TABAKA

Mar 13, 2026

OFFICE

AJF

DATE

03/12/2026

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by

CASIMIR L TABAKA

Mar 13, 2026

OFFICE

AJV-A432

DATE

10/30/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Mar 13, 2026

OFFICE

AJV-A432

DATE

**TITLE
MANAGER**



AIRPORT ID
MQJ

PROCEDURE NAME
RNAV (GPS) RWY 25

ORIGINAL/AMENDMENT
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

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	0855327.8925W
LTP/FTP ELLIPSOIDAL HEIGHT	+02276
FPAP LATITUDE	395001.5035N
FPAP LONGITUDE	0855516.5950W
THRESHOLD CROSSING HEIGHT (TCH)	00053.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 9E6F6607

ADDITIONAL PATH POINT RECORD INFORMATION

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



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> MQJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>AMDT NO.</u> ORIG-D	<u>CITY</u> INDIANAPOLIS	<u>STATE</u> IN	<u>AIRPORT ELEVATION</u> 862	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> SHB VOR/DME	<u>TO</u> KOYDE
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<u>RNP</u> 1.00	<u>DISTANCE</u> 15.13	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-002122)	394920.00N/0853924.00W	1251	20	3	1A	1000				AT649	2900
TERRAIN	394939.00N/0853657.00W	994 (1000)								AS1500	2500

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INITIAL

<u>FROM</u> NEWTO	<u>TO</u> FOGBU
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<u>RNP</u> 1.00	<u>DISTANCE</u> 8.65	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-002229)	395609.00N/0853240.00W	1337	20	3	1A	1000				AT363	2700
TERRAIN	395636.00N/0852939.00W	1089 (1100)								AS1500	2600

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
MQJ

PROCEDURE NAME
RNAV (GPS) RWY 25

AMDT NO.
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

AIRPORT ELEVATION
862

FACILITY
RNAV

INITIAL

FROM
PENDS

TO
FOGBU

RNP
1.00

DISTANCE
11.81

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-000029)	400344.00N/0854233.00W	1400	250	50	4D	1000				AT300	2700
TERRAIN	395518.00N/0853727.00W	994 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
KOYDE

TO
FOGBU

RNP
1.00

DISTANCE
5.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-002159)	395302.16N/0853643.32W	1294	50	20	2C	1000				AT406	2700
TERRAIN	395218.00N/0853712.00W	1023 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
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PROCEDURE NAME
RNAV (GPS) RWY 25

AMDT NO.
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

AIRPORT ELEVATION
862

FACILITY
RNAV

INTERMEDIATE

FROM
FOGBU (IF/IAF)

TO
HUDAX

RNP
1.00

DISTANCE
6.01

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-001192)	395203.00N/0854312.00W	1410	500	50	5D	500				AT790	2700
TERRAIN	395327.00N/0853715.00W	994 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
HUDAX

TO
RW25

RNP
0.30

DISTANCE
5.53

PAT

MAP
DA

HAT
299

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (18-038931)	395033.81N/0855306.25W	901	20	3	1A		34.00:1			XP49	1160

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP-49: TO MAINTAIN CURRENTLY PUBLISHED MINIMUMS.



AIRPORT ID
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AMDT NO.
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

AIRPORT ELEVATION
862

FACILITY
RNAV

FINAL: LNAV/VNAV

FROM
HUDAX

TO
RW25

RNP
0.30

DISTANCE
5.53

PAT

MAP
DA

HAT
402

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (18-071599)	395106.91N/0855214.95W	982	20	3	1A		23.36:1				1263

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
HUDAX

TO
RW25

RNP
0.30

DISTANCE
5.53

PAT

MAP
RW25

HAT
499

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	395215.00N/0854736.00W	1093	215	8	4B	250					1360

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
MQJ

PROCEDURE NAME
RNAV (GPS) RWY 25

AMDT NO.
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

AIRPORT ELEVATION
862

FACILITY
RNAV

HOLD-IN-LIEU OF PT

FROM
FOGBU

TO
P-5

RNP

DISTANCE

PAT
P-5

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (18-001192)	395203.00N/0854312.00W	1410	500	50	5D	1000				AT290	2700
TERRAIN	395648.00N/0852930.00W	1108 (1100)								AS1500	2600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM
DA

TO
SHB VOR/DME

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
948

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2900
TOWER (18-000683)	394603.00N/0860012.00W	1875	500	50	5D	1000					2900
TERRAIN	394903.00N/0855412.00W	908 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
MQJ

PROCEDURE NAME
RNAV (GPS) RWY 25

AMDT NO.
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

AIRPORT ELEVATION
862

FACILITY
RNAV

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
SHB VOR/DME

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1102

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2900
TOWER (18-000683)	394603.00N/0860012.00W	1875	500	50	5D	1000					2900
TERRAIN	394903.00N/0855412.00W	908 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW25 **TO**
SHB VOR/DME

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1260

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2900
TOWER (18-000683)	394603.00N/0860012.00W	1875	500	50	5D	1000					2900
TERRAIN	394903.00N/0855412.00W	908 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
MQJ

PROCEDURE NAME
RNAV (GPS) RWY 25

AMDT NO.
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

AIRPORT ELEVATION
862

FACILITY
RNAV

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (18-002647)	395154.59N/0855341.95W	1.30	498	1008	20	3	1A	300		SI	1360
CATEGORY B											
TRANSMISSION_LINE (18-026882)	395239.06N/0855317.84W	1.84	498	1031	20	10	1B	300		SI	1360
CATEGORY C											
ANTENNA (18-071228)	395326.70N/0855323.68W	2.89	498	1056	20	10	1B	300			1360
CATEGORY D											
TOWER (18-002444)	394939.08N/0855850.95W	3.77	798	1303	500	50	5D	300		AC50	1660

CIRCLING REMARKS:

CIRCLING CAT A TOWER DOCUMENTED TO MATCH RWY 34 MAN MADE OBSTACLE.

MSA

CENTER **RADIUS**
RW25 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (18-000148)	392427.00N/0860852.00W	207	28.7	2002	250	50	4D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZID ARTCC, IND APP CON, HUF FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	MQJ	24	MQJ		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	IND	24	IND	19.85	Y	55

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
MQJ 862, IND 797
RA = 54.9.



PRIMARY NAVAID **MONITOR POINT** **HRS OPERATION** **CAT**

AIRPORT ID
MQJ

PROCEDURE NAME
RNAV (GPS) RWY 25

AMDT NO.
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

AIRPORT ELEVATION
862

FACILITY
RNAV

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
01H	H-E	
RW07 - REIL, HIRL (PCL), PAPI-4L	NPI-G	
RW16 - MIRL, PAPI-2L	NPI-G	
RW34 - REIL, MIRL, PAPI-2L	NPI-G	
RW25 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
858.0

TCH
53.1

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
55.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW
-16C

CRITICAL HIGH
+54C

ACT
-16C

APT ISA
+13.29C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 966 HIGH TEMP 1275.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV, LNAV
34:1	
901 TREE (18-038931) 395033.81N/0855306.25W (0.37)	
<u>PENETRATIONS REMARKS:</u>	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>



AIRPORT ID
MQJ

PROCEDURE NAME
RNAV (GPS) RWY 25

AMDT NO.
ORIG-D

CITY
INDIANAPOLIS

STATE
IN

AIRPORT ELEVATION
862

FACILITY
RNAV

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1116 AAO 395151.00N/0854612.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.11
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	250.09
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	4.93
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.57
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	250.09
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)

395031.98N/0855327.89W

ARP COORDINATES

395035.30N/0855351.85W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 7 DISTANCE 0.73 NM

FAF COORDINATES

395225.29N/0854642.77W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

CASIMIR L. TABAKA (ROBERT A. SWINSON)

OFFICE

AJV-A432

DATE

10/30/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

