

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
IOW	RNAV (GPS) RWY 25	3	IOWA CITY	IA	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
684	659	RNAV (GPS) RWY 25	11/03/2022	1W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
RNAV		31 OCTOBER 2024	ROUTINE		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 162/30 CW 342/30	NOPT	BUCKA	IF/IAF	3300
2. 342/30 CW 162/30		BUCKA	IF/IAF	3300

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>
BUCKA	IF/IAF	HEWRI		TF	FB	1.00	252.02	4.00	2800
HEWRI		GRAFY		TF	FB	1.00	251.95	2.96	2300
GRAFY	FAF	ROLOC/2.35 NM TO RW25		TF	FB	0.30	251.92	2.70	
ROLOC/2.35 NM TO RW25		RW25	MAP	TF	FO	0.30	251.92	2.35	
RW25	MAP	1200 MSL		CA			251.92		1200
1200 MSL		IOW VOR/DME		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2600 DIRECT IOW VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2600.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD E BUCKA, RT, 252.02 INBOUND, 3300 FT. IN LIEU OF PT (IF/IAF), MAX 6000.														
3.	FAC:	251.92	FAF:	GRAFY	DIST FAF TO MAP:	5.05	DIST FAF TO THLD:	5.05							
4.	MIN ALT:	BUCKA 3300, HEWRI 2800, GRAFY 2300, ROLOC/2.35 NM TO RW25 1440													
5.	DIST TO THLD FROM FAF:	5.05	MM:		IM:		150 HAT:		250 HAT:	0.68	GS ANT:				
6.	MIN GP INCPT:	2300	GP ALT AT PFAF:	GRAFY 2300			OM:		MM:		IM:				
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	40.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C.
CHART NOTE: CIRCLING RWY 12, 30 NA AT NIGHT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CID ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CID ALTIMETER SETTING: INCREASE LPV DA TO 970 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1209 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CATS C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 352.06 INBOUND.
CHART FAS OBST: 845 BUILDING (19-054349) 413920N/0913157W.
CHART 863 TREE (19-046507) 413904N/0912918W.
CHART VDP AT 1.47 NM TO RW25.
WAAS CHANNEL # 58207
REFERENCE PATH ID: W25A
CHART CIRCLING ICON.
LTP HAE: 165.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, 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	909	3/4	250	909	3/4	250	909	3/4	250	909	3/4	250			
LNAV/VNAV DA	1150	1 3/8	491	1150	1 3/8	491	1150	1 3/8	491	1150	1 3/8	491			
LNAV MDA	1160	1	501	1160	1	501	1160	1 3/8	501	1160	1 3/8	501			
CIRCLING	1220	1	536	1240	1	556	1440	2 1/4	756	1440	2 1/2	756			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED "ROLOC/2.39 NM" TO "ROLOC/2.35 NM", GRAFY THRU CA SEGMENT COURSE FROM 251.91" TO "251.92", GRAFY AND ROLOC SEGMENT DISTANCES FROM "2.67/2.39" TO "2.70/2.35" – PROCEDURE RE-DESIGNED IAW 8260.58C.
2. PROFILE LINE 2: CHANGED "4000" TO "6000" – IAW 8260.19J 8-6-7(2).
3. PROFILE LINE 3: CHANGED FAC AND DISTANCES FROM "251.91/5.06" TO "251.92/5.05" - PROCEDURE RE-DESIGNED IAW 8260.58C.
4. PROFILE LINE 4: CHANGED "ROLOC/2.39" TO "ROLOC/2.35" - PROCEDURE RE-DESIGNED IAW 8260.58C.
5. PROFILE LINE 5: CHANGED DISTANCE AND 250 HAT FROM "5.06/0.69" TO "5.05/0.68" - PROCEDURE RE-DESIGNED IAW 8260.58C.
6. PROFILE LINE 7: CHANGED TCH FROM "39.1" TO 40.0" – UPDATED AIRNAV DATA INCORPORATED.
7. CHANGED "CHART NOTE: CIRCLING RWY 12 NA AT NIGHT" TO "CHART NOTE: CIRCLING RWY 12, 30 NA AT NIGHT"– RWY 30 HAS UNLIT 20:1 PENETRATIONS.
8. CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23°C OR ABOVE 54°C" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C" – UPDATED CRITICAL TEMPERATURES.
9. CHANGED "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CEDAR RAPIDS ALTIMETER SETTING" TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CID ALTIMETER SETTING" -IAW8260.19J, 8-6-10E(8)(9).
10. CHANGED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CEDAR RAPIDS ALTIMETER SETTING: INCREASE LPV DA TO 973 AND ALL VISIBILITIES 1/8SM; INCREASE LNAV/VNAV DA TO 1214 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 80 FEET AND VISIBILITY CATS C/D 1/4 SM" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CID ALTIMETER SETTING: INCREASE LPV DA TO 970 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1209 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CATS C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM" - PROCEDURE RE-DESIGNED IAW 8260.58C.
11. ADDITIONAL FLIGHT DATA: CHANGED "CHART 899 TREE 414001N/0912934W" TO "CHART 863 TREE (19-046507) 413904N/0912918W" – IAW8260.19J, 8-6-11(C).
12. ADDITIONAL FLIGHT DATA: CHANGED "CHART VDP AT 1.48 NM TO RW25" TO "CHART VDP AT 1.47 NM TO RW25" - PROCEDURE RE-DESIGNED IAW 8260.58C.
13. ADDITIONAL FLIGHT DATA: CHANGED "LTP HAE: 165.8 M" TO "LTP HAE: 165.6 M" – UPDATED AIRNAV DATA INCORPORATED.
14. FAS DATA: CHANGED LTP/FTP LAT/LONG AND ELLIPSOIDAL HEIGHT FROM "413833.3975N / 0913227.4040W, +01658" TO "413833.3960N/0913227.4050W, +01656" - UPDATED AIRNAV DATA INCORPORATED.
15. FAS DATA: CHANGED FPAP LAT/LONG FROM "413804.1295N/ 0913419.6475W" TO "413804.1300N/ 0913419.6495W" - UPDATED AIRNAV DATA INCORPORATED.
16. FAS DATA: CHANGED TCH FROM "39.1" TO "40.0" – PER FPT.
17. FAS DATA: CHANGED CRC REMAINDER FROM "08C8B0A5" TO "28727FC3" – CHANGED LTP/FTP AND FPAP LAT/LONG.
18. FAS DATA: CHANGED LTP AND FPAP ORTHOMETRIC HEIGHT FROM "+01984" TO "+01983" - CHANGED LTP/FTP AND FPAP LAT/LONG.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZAU, CID APP CON, AMGR

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

Digitally signed by

JOSEPH L ZEDER

Jul 31, 2024

OFFICE

FPO

DATE

07/25/2024

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by

JOSEPH L ZEDER

Jul 09, 2024

OFFICE

AJV-A432

DATE

04/19/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

JOSEPH L ZEDER

Jul 09, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER



AIRPORT ID
IOW

PROCEDURE NAME
RNAV (GPS) RWY 25

ORIGINAL/AMENDMENT
3

CITY
IOWA CITY

STATE
IA

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIOW
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	413833.3960N
LTP/FTP LONGITUDE	0913227.4050W
LTP/FTP ELLIPSOIDAL HEIGHT	+01656
FPAP LATITUDE	413804.1300N
FPAP LONGITUDE	0913419.6495W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1264
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	28727FC3
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01983
FPAP ORTHOMETRIC HEIGHT	+01983

