

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> GRI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> GRAND ISLAND	<u>STATE</u> NE
<u>AIRPORT ELEVATION</u> 1847	<u>TDZE</u> 1847	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>DATED</u> 03/25/2021	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1A	<u>MAG VAR</u> 7E	<u>CANCEL/SUSPEND</u>
		<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> 09/05/2024	

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>
MORGS		SIWRO		TF	FB	1.00	057.45	14.26	3800
JBACS	IAF	AXOVY	NOPT	TF	FB	1.00	263.40	7.00	3800
SIWRO	IAF	AXOVY	NOPT	TF	FB	1.00	083.20	7.00	3800
AXOVY	IF/IAF	WOGGU		TF	FB	1.00	353.30	5.98	3500
WOGGU	FAF	AROVE/1.50 NM TO RW35		TF	FB	0.30	353.30	3.52	
AROVE/1.50 NM TO RW35		RW35	MAP	TF	FO	0.30	353.30	1.50	
RW35	MAP	2047 MSL		CA			353.30		
2047 MSL		AZAWU		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT AZAWU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S AXOVY, RT, 353.30 INBOUND, 3800 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 353.30	FAC: WOGGU		DIST FAF TO MAP: 5.02	DIST FAF TO THLD: 5.02	
4. MIN ALT: AXOVY 3800, WOGGU 3500, AROVE/1.50 NM TO RW35 2380					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.46	GS ANT:
6. MIN GP INCPT: 3500	GP ALT AT PFAF: WOGGU 3500			OM:	MM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.0		IM:
8. MSA FROM: RW35 4100					



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.

CHART NOTE: BARO-VNAV NA WHEN USING AURORA ALTIMETER SETTING.

CHART NOTE: CIRCLING RWY 13 AND 17 NA AT NIGHT.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO RVR 6000.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE LPV DA TO 2088 FEET; INCREASE LNAV/VNAV DA TO 2328 FEET AND ALL VISIBILITIES TO RVR 5000; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C/D TO RVR 5000 AND CIRCLING VISIBILITY CATS C/D 1/4 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING AURORA ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM, INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD N, RT, 173.30 INBOUND.

CHART FAS OBST: 1999 ELEVATOR (31-000520) 405623N/0981818W.

WAAS CHANNEL # 86799

REFERENCE PATH ID: W35A

LTP HAE: 537.9 M

**MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	2047	2400	200	2047	2400	200	2047	2400	200	2047	2400	200			
LNAV/VNAV DA	2287	4000	440	2287	4000	440	2287	4000	440	2287	4000	440			
LNAV MDA	2260	2400	413	2260	2400	413	2260	4000	413	2260	4000	413			
CIRCLING	2300	1	453	2300	1	453	2400	1 1/2	553	2560	2 1/4	713			

CHANGES - REASONS

1. INCORPORATED P-NOTAM FDC 0/3313 FOR AMDT 1A.
2. TERMINAL ROUTES: MORGS TO SIWRO COURSE CHANGED FROM "060.52" TO "057.45" AND DISTANCE CHANGED FROM "16.09" TO "14.26" – SIWRO MOVED TO EXTEND INITIAL LEG LENGTH.
3. TERMINAL ROUTES: MORGS TO SIWRO ALTITUDE CHANGED FROM "4400" TO "3800" – NEW CONTROLLING OBSTACLE.
4. TERMINAL ROUTES: HSI VOR/DME TO AVOXY REMOVED – HSI VORMON
5. TERMINAL ROUTES: "VAPAGE TO AVOXY" CHANGED TO "JBACS TO AVOXY," COURSE CHANGED FROM "263.36" TO "263.40" AND DISTANCE CHANGED FROM "4.63" TO "7.00" – IAF MOVED AND VAPAGE REPLACED WITH JBACS.
6. TERMINAL ROUTES: SIWRO TO AVOXY COURSE CHANGED FROM "083.23" TO "083.20" AND DISTANCE CHANGED FROM "5.00" TO "7.00" – SIWRO MOVED TO EXTEND INITIAL LEG LENGTH.
7. TERMINAL ROUTES: AVOXY TO WOGGU DISTANCE CHANGED FROM "6.05" TO "5.98" – WOGGU MOVED TO ACHIEVE 3.00 GPA.
8. TERMINAL ROUTES: CHANGED "WOGGU TO RW35" TO "WOGGU TO AROVE" AND "AROVE TO RW35" – SDF ADDED TO PREVENT INCREASED MDA.
9. TERMINAL ROUTES: CHANGED CA LEG FROM "RW35 TO 2097 MSL" TO "RW35 TO 2047 MSL" - IAW 8260.58B, 3-5-2.A.(2) AND 8260.19I, 8-6-4.
10. TERMINAL ROUTES: DF LEG CHANGED FROM "2097 MSL TO AZAWU" TO "2047 MSL TO AZAWU" – IAW 8260.58B, 3-5-2.A.(2) AND 8260.19I, 8-6-4.
11. PROFILE LINE 3: DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM "4.95" TO "5.02" – FAF MOVED TO ACHIEVE 3.00 GPA.
12. PROFILE LINE 5: HAT CHANGED FROM "250 HAT: 0.61" TO "200 HAT: 0.46" – NO OBSTACLES PREVENT THE LOWERING OF THE HAT.
13. PBN REQUIREMENTS NOTE: CHANGED "RNP APCH" TO "RNP APCH – GPS" – IAW 8260.19I 8-6-8 B. (2).
14. NOTES: ADDED "CIRCLING RWY 13 AND 17 NA AT NIGHT" – RWYS 17 AND 13 HAVE NO ACCEPTABLE SURVEY.
15. NOTES: ADDED CHART NOTE "BARO-VNAV NA WHEN USING AURORA ALTIMETER SETTING." – VDP PUBLISHABLE, NO 20:1 PENETRATIONS.
16. NOTES: UPDATED CHART NOTE "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C" – NEW HISTORICAL TEMPERATURES USED.
17. NOTES: UPDATED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE LNAV VISIBILITY CATS A/B TO RVR 5500, CATS C/D TO RVR 6000" TO "FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO RVR 6000." – IAW 8260.3E SECTION 3-3.
18. NOTES: ADDED CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE LPV DA TO 2088 FEET; INCREASE LNAV/VNAV DA TO 2328 FEET AND ALL VISIBILITIES TO RVR 5000; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C/D TO RVR 5000 AND CIRCLING VISIBILITY CATS C/D 1/4 SM" – IAW 8260.19I 8-6-9 E.(8).
19. NOTES: ADDED CHART NOTE "FOR INOPERATIVE ALS WHEN USING AURORA ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM, INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM" – IAW 8260.3E SECTION 3-3.
20. ADDITIONAL FLIGHT DATA: UPDATED FAS OBSTACLE FROM "CHART FAS OBST: 1998 ELEV (28-0520) 405623N/0981818W" TO "CHART FAS OBST: 1999 ELEVATOR (31-000520) 405623N/0981818W." – NEW CONTROLLING OBSTACLE.
21. ADDITIONAL FLIGHT DATA REMOVED "CHART VDP AT 1.30 NM TO RW35" – VDP IS NOT PUBLISHABLE BECAUSE IT IS LOCATED WITHIN 0.5 NM FROM THE FINAL FIX.
22. MINIMUMS: ALTERNATE CHANGED FROM: "STANDARD - CAT D 800-2 ½" TO "STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW 8260.19I 8-6-11 B(4).
23. MINIMUMS: LPV DA ALL CATS DA CHANGED FROM "2097" TO "2047" AND HATS CHANGED FROM "250" TO "200" – CHANGE OF GPA.
24. MINIMUMS: LNAV/VNAV DA ALL CATS DA CHANGED FROM "2283" TO "2287" AND HAT CHANGED FROM "435" TO "440" – CHANGE OF GPA.
25. MINIMUMS: LNAV/VNAV DA ALL CATS RVR CHANGED FROM "5000" TO "4000" – IAW 8260.3E SECTION 3-3.
26. MINIMUMS: CIRCLING VISIBILITY CATS A/B CHANGED FROM "1 ½" TO "1," CAT C FROM "1 ¾" TO "1 ½," AND CAT D FROM "2 ½" TO "2 ¼" - IAW 8260.3E SECTION 3-3.
27. FAS DATA BLOCK CHANGES: LTP COORDINATES CHANGED FROM "405728.6500 0981853.6600" TO "405728.6480 0981853.6570," FPAP COORDINATES CHANGED FROM "405857.8000 0981853.0400" TO "405857.7995 0981853.0380," VAL CHANGED FROM "50.0" TO "35.0," AND CRC REMAINDER CHANGED FROM "5C90E620" TO "77FACC35" – CURRENT DATA AND CALCULATIONS.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/18/2024  
REQUIRED EFFECTIVE DATE: CHANGED FORM ROUTINE TO HARD DATE.

COORDINATED WITH:

A4A

☒

ALPA

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AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZMP, GRI ATCT, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

JOSEPH L ZEDER

Jul 26, 2024

OFFICE

FPO

DATE

7/24/24

DEVELOPED BY

ROBERT G HAMILTON (DANIEL R. JOHNSON)

Digitally signed by

JOSEPH L ZEDER

Jul 26, 2024

OFFICE

AJV-A433

DATE

03/18/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

JOSEPH L ZEDER

Jul 26, 2024

OFFICE

AJV-A433

DATE

TITLE

MANAGER



AIRPORT ID  
GRI

PROCEDURE NAME  
RNAV (GPS) RWY 35

ORIGINAL/AMENDMENT  
2

CITY  
GRAND ISLAND

STATE  
NE

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGRI
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	405728.6480N
LTP/FTP LONGITUDE	0981853.6570W
LTP/FTP ELLIPSOIDAL HEIGHT	+05379
FPAP LATITUDE	405857.7995N
FPAP LONGITUDE	0981853.0380W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	77FACC35
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**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05629
FPAP ORTHOMETRIC HEIGHT	+05629

