

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> KGRI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> GRAND ISLAND	<u>STATE</u> NE		
<u>AIRPORT ELEVATION</u> 1847	<u>TDZE</u> 1844	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 03/25/2021	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
DECKY		SUJWI		TF	FB	1.00	035.60	13.56	4000
GRASI		VECFU		TF	FB	1.00	299.37	14.63	3500
SUJWI	IAF	AZAWU	NOPT	TF	FB	1.00	083.20	6.80	3500
VECFU	IAF	AZAWU	NOPT	TF	FB	1.00	263.40	6.80	3500
AZAWU	IF/IAF	WICFI		TF	FB	1.00	173.30	6.06	3500
WICFI	FAF	AUBRA/2.53 NM TO RW17		TF	FB	0.30	173.30	2.51	
AUBRA/2.53 NM TO RW17		RW17	MAP	TF	FO	0.30	173.30	2.53	
RW17	MAP	2044 MSL		CA			173.30		
2044 MSL		AXOVY		DF	FO	1.00			3800

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3800 DIRECT AXOVY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
34
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N AZAWU, RT, 173.30 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 173.30FAF: WICFI

DIST FAF TO MAP: 5.04DIST FAF TO THLD: 5.04

4. MIN ALT: AZAWU 3500, WICFI 3500, AUBRA/2.53 NM TO RW17 2700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.47GS ANT:

6. MIN GP INCPT: 3500GP ALT AT PFAF : WICFI 3500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 50.0

8. MSA FROM: RW17 4100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DECKY ON V6 WESTBOUND.
CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRASI ON V220 NORTHEAST BOUND AND V6-8 EASTBOUND.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 353.30 INBOUND.
CHART FAS OBST: 1944 TREE 405922N/0981940W.
CHART VDP AT 1.00 NM TO RW17.
WAAS CHANNEL # 60999
REFERENCE PATH ID: W17A
LTP HAE: 537 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.

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	2044	3/4	200	2044	3/4	200	2044	3/4	200	2044	3/4	200			
LNAV/VNAV DA	2125	3/4	281	2125	3/4	281	2125	3/4	281	2125	3/4	281			
LNAV MDA	2200	3/4	356	2200	3/4	356	2200	3/4	356	2200	3/4	356			
CIRCLING	2300	1	453	2300	1	453	2400	1 1/2	553	2560	2 1/4	713			

QUALITY
34
CHECKED

CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED FEEDER SEGMENT OBH VORTAC TO AZAWU AND ASSOCIATED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL AT OBH VORTAC ON V380 NORTHBOUND" - FPT REQUEST/OBH VORTAC DECOMMISSIONING.

2. TERMINAL ROUTES: CHANGED DISTANCE FROM AZAWU TO WICFI FROM 6.13 TO 6.06 - FAF MOVED 442 FEET N FOR OPTIMUM DESCENT ANGLE.

3. TERMINAL ROUTES: CHANGED COURSE AND DISTANCE FROM DECKY TO SUJWI FROM 40.73/14.83 TO 35.60/13.56 - FIX SUJWI MOVED 1.8 NM W.

4. TERMINAL ROUTES: CHANGED COURSE AND DISTANCE FROM SUJWI TO AZAWU FROM 83.23/5.00 TO 83.20/6.80 - FIX SUJWI MOVED 1.8 NM W.

5. TERMINAL ROUTES: CHANGED COURSE AND DISTANCE FROM GRASI TO VECFU FROM 295.62/16.13 TO 299.37/14.63 - FIX VECFU MOVED 1.8 NM E.

6. TERMINAL ROUTES: CHANGED COURSE AND DISTANCE FROM VECFU TO AZAWU FROM 263.37/5.00 TO 263.40/6.80 - FIX VECFU MOVED 1.8 NM E.

7. ADDED SDF "AUBRA" TO LNAV FINAL SEGMENT - ADDED FOR LOWER MINIMUMS.

8. ADDED MAX HOLD-IN-LIEU ALTITUDE OF 6000 TO PROFILE LINE 2 - 8260.19I, 8-6-7, B(2).

9. PROFILE LINE 3: CHANGED DIST FAF TO MAP/THLD FROM 4.97 TO 5.04 - FAF ALIGNED TO 3.00/50 IAW CURRENT CRITERIA.

8. PROFILE LINE 4: CHANGED FROM "AZAWU 3500, WICFI 3500" TO "AZAWU 3500, WICFI 3500, AUBRA/2.53 NM TO RW17 2700" - ADDED SDF AUBRA.

10. REMOVED "DISTANCE TO THLD FROM 250 HAT: 0.63 NM" FROM ADDITIONAL FLIGHT DATA AND ADDED "DIST TO THLD FROM 200 HAT: 0.47" TO LINE 5 - LOWERED LPV HAT, 8260.19I 8-6-7.E.

11. LINE 7 NOTE: ADDED NOTE "20:1 IS CLEAR" - IAW 8260.19I PARA 8-6-7.G.(3).

12. ADDITIONAL FLIGHT DATA DELETED ENTRIES ROUTE TYPE DESCRIPTION: A, R, APPROACH ROUTE QUALIFIER 1: W, J, APPROACH ROUTE QUALIFIER 2:S - NO LONGER REQUIRED.

13. UPDATED "CHART FAS OBST FROM 1880 POLE 405903N/0981914W, 1884 TREE 405833N/0981818W" TO "1944 TREE 405922N/0981940W" - NEW OBSTACLE EVALUATION.

14. CHANGED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT GRASI VIA V220 NORTHEAST BOUND AND V6-8 EASTBOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRASI ON V220 NORTHEAST BOUND AND V6-8 EAST BOUND - IAW .19I, 8-2-5E.

15. CHANGED "CHART VDP AT 0.87 MILES TO RWY 17**" TO "CHART VDP AT 1.00 NM TO RW17" AND REMOVED "LNAV ONLY" IN ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED BY CRITERIA, RAISED LNAV MDA.

16. DELETED CHART NOTE: "DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE. - IAW 8260.19I PARA 8-6-8.B (2).

17. REMOVED "CHART 1987 TREE 410321N/0982006W" FROM ADDITIONAL FLIGHT DATA - 7:1 NO LONGER APPLIED.

18. CHANGED "BARO-VNAV NA BELOW -18C (0F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23°C OR ABOVE 54°C." - UPDATED TO CURRENT CRITERIA.

19. ADDED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM" - PER UPDATED 8260.3D VIS TABLES.

20. MOVED BACK-UP ALTIMETER AND ASSOCIATED NOTES FROM -3 TO REMARKS - 8260.19I 8-6-9.F(3).

21. LOWERED LPV DA/HAT ALL CATS FROM 2094/250 TO 2044/200 - NEW TARGETS EVALUATION.

22. LOWERED LPV VIS ALL CATS FROM 1 SM TO ¾ SM - NEW TARGETS EVALUATION.

23. LOWERED LNAV/VNAV DA/HAT ALL CATS FROM 2138/294 TO 2125/281 - NEW TARGETS EVALUATION.

24. LOWERED LNAV/VNAV VIS CAT D FROM 1 SM TO 3/4 SM - PER UPDATED 8260.3E VIS TABLES.

25. RAISED LNAV MDA/HAT ALL CATS FROM 2160/316 TO 2200/356 - NEW TARGETS EVALUATION.

26. LOWERED LNAV VIS CAT D FROM 1 SM TO 3/4 SM - PER UPDATED 8260.3E VIS TABLES.

27. CRC REMAINDER CHANGED FROM C171BDB1 TO 3D827611 - LTP/FTP LAT/LONG CHANGED FROM 405837.8300N/0981853.1800W TO 405837.8270N/0981853.1770W - FPAP LAT/LONG CHANGED FROM 405708.6800N/0981853.8000W TO 405708.6750N/0981853.7955W, VAL CHANGED FROM 50.0 TO 35.0.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** GRI ATCT, ZMP, AMGR.

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by

CASIMIR L TABAKA

Apr 26, 2023

OFFICE

FPO

DATE

03/29/2023

DEVELOPED BY

CASIMIR L. TABAKA (JOSHUA SAENZ)

Digitally signed by

CASIMIR L TABAKA

Apr 26, 2023

OFFICE

AJV-A432

DATE

12/22/2022

APPROVED BY

CASIMIR TABAKA

Digitally signed by

CASIMIR L TABAKA

Apr 26, 2023

OFFICE

AJV-A432

DATE**TITLE**
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGRI
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	405837.8270N
LTP/FTP LONGITUDE	0981853.1770W
LTP/FTP ELLIPSOIDAL HEIGHT	+05370
FPAP LATITUDE	405708.6750N
FPAP LONGITUDE	0981853.7955W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
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	3D827611

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05620
FPAP ORTHOMETRIC HEIGHT	+05620

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

<u>AIRPORT ID</u> KGRI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> 2	<u>CITY</u> GRAND ISLAND	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 1847	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
DECKY

TO
SUJWI

<u>RNP</u>	<u>DISTANCE</u> 13.56	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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 (31-001374)	410038.10N/0983741.00W		2310	250	50	4D	1000				AT690	4000
TERRAIN	410118.00N/0984048.00W		2047 (2000)								AS1500	3500

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM
GRASI

TO
VECFU

<u>RNP</u>	<u>DISTANCE</u> 14.63	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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>
AAO	410139.00N/0975945.00W		2031	164	98	4E	1000				AT469	3500
TERRAIN	410139.00N/0975945.00W		1830 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM
SUJWI

TO
AZAWU

RNP	DISTANCE 6.80	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	411100.00N/0982509.00W		2136	164	98	4E	1000				AT364	3500
TERRAIN	411100.00N/0982509.00W		1935 (1900)								AS1500	3400

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

INITIAL

FROM
VECFU

TO
AZAWU

RNP	DISTANCE 6.80	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	410918.00N/0981945.00W		2087	164	98	4E	1000				AT413	3500
TERRAIN	411109.00N/0982039.00W		1866 (1900)								AS1500	3400

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



INTERMEDIATE

FROM

AZAWU (IF/IAF)

TO

WICFI

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.06											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	410724.00N/0982318.00W		2107	164	98	4E	500				AC98 AT795	3500
TERRAIN	410618.00N/0982151.00W		1893 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

WICFI

TO

RW17

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.04		DA	200								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2044

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM
WICFI

TO
RW17

RNP	DISTANCE 5.04	PAT	MAP DA	HAT 281			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	405922.23N/0981939.71W		1944	50	20	2C	161				AC20	2125

COMPUTATIONS

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

FINAL: LNAV

FROM
WICFI

TO
AUBRA/2.53 NM TO RW17

RNP	DISTANCE 2.51	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	410321.00N/0982006.00W		2087	164	98	4E	250				AC98 RA60 DG205	2700

COMPUTATIONS

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



FINAL: LNAV STEPDOWN

FROM
AUBRA/2.53 NM TO RW17

TO
RW17

<u>RNP</u>	<u>DISTANCE</u> 2.53	<u>PAT</u>	<u>MAP</u> RW17	<u>HAT</u> 356			<u>HMAS</u>					
<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>
TREE	405922.23N/0981939.71W		1944	50	20	2C	250					2200

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

HOLD-IN-LIEU OF PT

FROM
AZAWU

TO
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	411918.00N/0982036.00W		2205	164	98	4E	1000					3300
TERRAIN	411918.00N/0982036.00W		2004 (2000)								AS1500	3500

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



MISSED APPROACH : LPV

FROM

DA

TO

AXOVY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1879					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3800
STACK (31-000475)	405115.00N/0982053.00W		2282	500	50	5D	1000					3300
TERRAIN	404715.00N/0981954.00W		1935 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

AXOVY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1964					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3800
STACK (31-000475)	405115.00N/0982053.00W		2282	500	50	5D	1000					3300
TERRAIN	404715.00N/0981954.00W		1935 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

RW17

TO

AXOVY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2100					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3800
STACK (31-000475)	405115.00N/0982053.00W		2282	500	50	5D	1000					3300
TERRAIN	404715.00N/0981954.00W		1935 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

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											
ELEVATOR (31-000520)	405623.00N/0981818.00W	1.32	453	1999	20	3	1A	300			2300
CATEGORY B											
ELEVATOR (31-000520)	405623.00N/0981818.00W	1.87	453	1999	20	3	1A	300			2300
CATEGORY C											
STACK (31-000521)	405540.00N/0982031.00W	2.95	553	2091	50	20	2C	300			2400
CATEGORY D											
TOWER (31-000055)	405520.00N/0982246.00W	3.85	713	2194	20	50	1D	300		AC50	2560

CIRCLING REMARKS:



MSA

CENTER

RW17

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (31-000259)	404620.00N/0980522.00W	133	16.0	3048	250	50	4D	1000			4100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZMP ARTCC, GRI TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KGRI	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KGRI	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KAUH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KAUH	<u>DISTANCE</u> 14.96	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 41

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KGRI 1847, KAUH 1803
RA = 40.6.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW13 - MALS (PCL), MIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW17 - MALS (PCL), HIRL (PCL), PAPI-4L (PCL)		NPI-G	ROLL OUT
RW31 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	
RW35 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)		PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 1843.7	<u>TCH</u> 50.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 37.5
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -23C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -23C	<u>APT ISA</u> +11.34C
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CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018 - 2022).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 980 HIGH TEMP 1293.



"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TAA NOT USED: ATC REQUEST

CONTINGENCY REMOTE ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE LPV DA TO 2085 FEET; INCREASE LNAV/VNAV DA TO 2166 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

BARO-VNAV AND VDP NA WHEN USING AURORA ALTIMETER SETTING.

100 FT VEGETATION HEIGHT USED.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

<u>AIRPORT ID</u> KGRI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> 2	<u>CITY</u> GRAND ISLAND	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 1847	<u>FACILITY</u> RNAV
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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	3.16
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	180.30
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1900
DISTANCE FROM	THLD	TO 1500FT POINT	4.84
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	180.30
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1900

THRESHOLD
COORDINATES
(IF STR-IN)

405837.83N/0981853.18W

ARP COORDINATES

405803.15N/0981834.70W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 31 DISTANCE 0.68 NM

FAF
COORDINATES

410340.62N/0981851.08W

FIX NAME
COORDINATES

IF/IAF AZAWU: 410944.21N/0981848.56W

REMARKS

QUALITY
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CHECKED

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Electronic Version

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PART E: PREPARED BY

<u>NAME</u> CASIMIR L. TABAKA (JOSHUA SAENZ)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 12/22/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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