

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</u> GRENADA MUNI	<u>AIRPORT ID</u> KGNF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> GRENADA	<u>STATE</u> MS
<u>AIRPORT ELEVATION</u> 208	<u>TDZE</u> 202	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 09/17/2015	<u>MAG VAR</u> 1E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TAA **THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 18-25.**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 221/30 CW 041/30	NOPT	221/14 CW 041/14		3200
1. 221/14 CW 041/14		ODPOF	IF/IAF	3000
2. 041/30 CW 221/30	PT	ODPOF	IF/IAF	3000

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>
ODPOF	IF/IAF	PAKMY		TF	FB	1.00	310.94	9.70	2000
PAKMY	FAF	HUPIR/2.50 NM TO RW31		TF	FB	0.30	310.86	2.80	
HUPIR/2.50 NM TO RW31		RW31	MAP	TF	FO	0.30	310.86	2.50	
RW31	MAP	513 MSL		CA			310.86		
513 MSL		WUKNA		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT WUKNA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD SE ODPOF, RT, 310.94 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 310.86 FAF: PAKMY DIST FAF TO MAP: 5.30 DIST FAF TO THLD: 5.30
4. MIN ALT: ODPOF 3000, PAKMY 2000, HUPIR/2.50 NM TO RW31 1080*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 311 HAT: 0.78 GS ANT:
6. MIN GP INCPT: 2000 GP ALT AT FAF : PAKMY 2000 OM: MM: IM:
7. GP ANGLE: 3.10 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 59.0
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING GREENWOOD ALTIMETER SETTING.
CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -9C OR ABOVE 46C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GREENWOOD ALTIMETER SETTING: INCREASE ALL DAS 65 FEET AND VISIBILITY LNAV/VNAV CAT C AND D 1/8 SM; INCREASE ALL MDAS 80 FEET AND VISIBILITY LNAV CATS C AND D AND CIRCLING ALL CATS 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.46 NM TO RW31*
*LNAV ONLY
WAAS CHANNEL #40029
REFERENCE PATH ID: W31A
CHART FAS OBST: 438 TREE 334757N/0894603W.
HOLD NW, RT, 130.72 INBOUND
LTP HAE: 33.7 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	513	1	311	513	1	311	513	1	311	513	1	311			
LNAV/VNAV DA	679	1 1/2	477	679	1 1/2	477	679	1 1/2	477	679	1 1/2	477			
LNAV MDA	720	1	518	720	1	518	720	1 1/4	518	720	1 1/4	518			
CIRCLING	1000	1	792	1000	1	792	1000	2 1/4	792	1060	2 3/4	852			

QUALITY
35
CHECKED

CHANGES - REASONS

1. TAA ALTITUDES CHANGED FROM 2100 TO 3000 - ATC RADIO COMMUNICATIONS UNSATISFACTORY BELOW 3000.
2. MISSED APPROACH CA LEG CHANGED FROM 509 MSL TO 513 MSL - HATH TO HAT CHANGE.
3. PROFILE SECTION, LINE 2, ADDED MAXIMUM HOLDING ALTITUDE - CURRENT DOCUMENTATION POLICY.
4. PROFILE SECTION, LINE 5, CHANGED 311 HATH TO 311 HAT AND DISTANCE FROM 0.76 TO 0.78 - HATH TO HAT CHANGE.
5. PROFILE SECTION, LINE 7, ADDED "20:1 IS CLEAR" - CURRENT DOCUMENTATION POLICY.
6. REMOVED FAHRENHEIT VALUES FROM BARO-VNAV NOTE - CURRENT DOCUMENTATION POLICY.
7. REPLACED DME/DME NOTE WITH PBN REQUIREMENTS NOTE - CURRENT DOCUMENTATION POLICY.
8. ADDED RUNWAY NUMBER TO HELICOPTER NOTE - CURRENT DOCUMENTATION POLICY.
9. ADDED VDP NA NOTE WHEN USING REMOTE ALTIMETER SETTING - VDP ESTABLISHED.
10. CHANGED BACKUP ALTIMETER NOTE FROM "...INCREASE LPV DA TO 574, LNAV/VNAV DA TO 740 FT AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL MDA 80 FT AND LNAV VISIBILITY CATS C AND D 1/4 MILE, CIRCLING VISIBILITY ALL CATS 1/4 MILE" TO "...INCREASE ALL DAS 65 FEET AND VISIBILITY LNAV/VNAV CAT C AND D 1/8 SM; INCREASE ALL MDAS 80 FEET AND VISIBILITY LNAV CATS C AND D AND CIRCLING ALL CATS 3/8 SM" - RECALCULATION.
11. REMOVED NIGHT LANDING NA NOTE - RUNWAY 4/22 IS UNLIT AND THEREFORE DOES NOT REQUIRE A NOTE.
12. ADDED CIRCLING ICON - UPDATED CIRCLING AREAS TO CURRENT SIZES.
13. ADDED VDP - 20:1 IS CLEAR.
14. LNAV CAT C AND D VIS CHANGED FROM 1 1/4 TO 1 3/8 - RECALCULATION.
15. CIRCLING CAT D MDA-VIS-HAA CHANGED FROM 1000 - 2 1/2 - 792 TO 1060 - 2 3/4 - 852 - NEW CONTROLLING OBSTACLE.

10/23/2018: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/27/2018:
1. PROFILE SECTION, LINE 4, CHANGED MIN ALT AT ODPOF FROM 2100 TO 3000 TO MATCH HOLD-IN-LIEU ALTITUDE.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZME, AIRPORT MANAGER

<div>FLIGHT CHECKED BY</div> <div>JAMES LUTHER REINEBOLD</div>	<div>Digitally signed by</div> <div>DAVID DANNER</div> <div>Oct 25, 2018</div>	<div>OFFICE</div> <div>FIOG</div>	<div>DATE</div> <div>09/22/2018</div>	
<div>DEVELOPED BY</div> <div>RUSS ROSLEWSKI</div>	<div>Digitally signed by</div> <div>RUSSELL ROSLEWSKI</div> <div>Oct 24, 2018</div>	<div>OFFICE</div> <div>AJV-5421</div>	<div>DATE</div> <div>08/08/2018</div>	
<div>APPROVED BY</div> <div>JULIE MORGAN</div>	<div>Digitally signed by</div> <div>DAVID DANNER</div> <div>Oct 25, 2018</div>	<div>OFFICE</div> <div>AJV-5420</div>	<div>DATE</div> <div></div>	<div>TITLE</div> <div>MANAGER</div>



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGNF
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	334942.9715N
LTP/FTP LONGITUDE	0894728.8595W
LTP/FTP ELLIPSOIDAL HEIGHT	+00337
FPAP LATITUDE	335042.4830N
FPAP LONGITUDE	0894848.5820W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	CAC4F903
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00603
FPAP ORTHOMETRIC HEIGHT	+00603

