

**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><b>AIRPORT</b></u> RUTLAND - SOUTHERN VERMONT RGNL	<u><b>AIRPORT ID</b></u> KRUT	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) Z RWY 19	<u><b>ORIGINAL/AMENDMENT</b></u> 1	<u><b>CITY</b></u> RUTLAND	<u><b>STATE</b></u> VT
<u><b>AIRPORT ELEVATION</b></u> 787	<u><b>TDZE</b></u> 787	<u><b>SUPERSEDED</b></u> RNAV (GPS) Z RWY 19	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-A	<u><b>DATED</b></u> 06/22/2017	<u><b>MAG VAR</b></u> 15W
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 8 NOVEMBER 2018	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 1995

**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>
JOGIM		GITKE		TF	FO	2.00	046.71	30.24	5700
BTV VOR/DME	IAF	GITKE	NOPT	TF	FB	1.00	179.64	36.57	5700
MPV VOR/DME	IAF	GITKE	NOPT	TF	FB	1.00	248.31	27.64	5700
GITKE	IF/IAF	LECEG		TF	FB	1.00	193.51	3.60	4800
LECEG		CEKRA		TF	FB	1.00	193.51	3.59	3900
CEKRA	FAF	CIBTO/6.10 NM TO RW19		TF	FB	0.30	193.52	2.94	
CIBTO/6.10 NM TO RW19		RW19	MAP	TF	FO	0.30	193.52	6.10	
RW19	MAP	1500 MSL		CA			193.52		1500
1500 MSL		JOGIM		DF	FO	1.00			5700

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW19

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 5700 DIRECT JOGIM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5700.

\*\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 420 FEET PER NM TO 3200; IF UNABLE TO MEET CLIMB GRADIENT, SEE RNAV (GPS) Y RWY 19.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD N GITKE, RT, 193.51 INBOUND, 5700 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	193.52	FAF: CEKRA	DIST FAF TO MAP: 9.04	DIST FAF TO THLD: 9.04	
4. MIN ALT:	GITKE 5700, LECEG 4800, CEKRA 3900, CIBTO/6.10 NM TO RW19 2900*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	414 HAT: 1.10	GS ANT:
6. MIN GP INCPT: 3900	GP ALT AT FAF : CEKRA 3900			OM:	MM: IM:
7. GP ANGLE: 3.20	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 54.4		
8. MSA FROM:	RW19 5400				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA NE OF RWYS 19 AND 31.  
CHART NOTE: CIRCLING RWY 13, 31 NA AT NIGHT.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS.  
CHART NOTE: BARO-VNAV NA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JOGIM ON V487 SOUTHBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BTV VOR/DME AIRWAY RADIALS 135 CW 202.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MPV VOR/DME AIRWAY RADIALS 173 CW 237.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 1 1/8 MILES.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 2.95 NM TO RW19\*  
\*LNAV ONLY  
WAAS CHANNEL #93730  
REFERENCE PATH ID: W19B  
CHART FAS OBST: 1779 TREE 433456N/0725554W.  
3120 AAO 434139N/0725454W.  
HOLD N, LT, 197.00 INBOUND  
LTP HAE: 208 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B, C 1800-5

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**	1201	3/4	414	1201	3/4	414	1201	3/4	414		NA				
LNAV/VNAV DA	2150	5	1363	2150	5	1363	2150	5	1363		NA				
LNAV MDA**	1820	3/4	1033	1820	1	1033	1820	2 1/2	1033		NA				
CIRCLING	2560	1 1/4	1773	2560	1 1/2	1773	2560	3	1773		NA				



**CHANGES - REASONS**

1. LOWERED JOGIM TO GITKE FEEDER ALTITUDE FROM 5800 FT TO 5700 FT - NEW CONTROLLING OBSTACLE IDENTIFIED.
2. DECREASED LECEG TO CEKRA DISTANCE FROM 3.60 NM TO 3.59 NM - FAF MOVED .1 NM TO MATCH ILS PROCEDURE TCH.
3. INCREASED THLD FROM 414 HATH DISTANCE FROM 1.05 NM TO 1.10 NM - FAF MOVED .1 NM TO MATCH ILS PROCEDURE TCH.
4. ADDED MAX ALTITUDE FOR HOLD IN LIEU OF PT - CURRENT CRITERIA GUIDANCE.
5. INCREASED FAF TO MAP AND THLD DISTANCE FROM 9.03 NM TO 9.04 NM - FAF MOVED .1 NM TO MATCH ILS PROCEDURE TCH.
6. DECREASED TCH FROM 56.8 FT TO 54.4 FT - MATCH ILS PROCEDURE TCH.
7. DECREASED LPV ALL CATS VISIBILITY FROM 7/8 MILE TO 3/4 MILE - IAW CURRENT 8260.3C TABLE 3-3-1.
8. INCREASED LNAV/VNAV DA/HAT FROM 2068/1294 TO 2150/1363 - NEW CONTROLLING OBSTACLE.
9. INCREASED LNAV/VNAV ALL CATS VISIBILITIES FROM 4 MILES TO 5 MILES - IAW CURRENT 8260.3C TABLE 3-3-1.
10. DECREASED LNAV MDA/HAT FROM 1840/1066 TO 1820/1066 - OBSTACLE HEIGHT LOWERED BY 20 FEET.
11. INCREASED CIRCLING CATS A AND B CMDA/HAA FROM 1940/1153 TO 2560/1773 - CG NOT ALLOWED FOR CIRCLING MISSED APPROACH.
12. INCREASED CIRCLING CAT C CMDA/HAA FROM 2540/1753 TO 2560/1760 - CG NOT ALLOWED FOR CIRCLING MISSED APPROACH.
13. REMOVED "VDP NA WITH SPRINGFIELD ALTIMETER SETTING" CHART NOTE TO 8260-9 REMARKS - REMOVED BACKUP ALTIMETER FROM PROCEDURE.
14. REMOVED CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGFIELD ALTIMETER SETTING: INCREASE ALL DA 477 FEET, INCREASE LPV ALL CATS VISIBILITY 1 5/8 MILES, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1 1/2 MILES; INCREASE ALL MDA 480 FEET AND ALL CATS VISIBILITY 1/2 MILE" TO 8260-9 REMARKS AND UPDATED TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGFIELD ALTIMETER SETTING: INCREASE ALL DA 477 FEET, INCREASE LPV ALL CATS VISIBILITY 1 1/4 MILES, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1 MILE; INCREASE ALL MDA 480 FEET AND LNAV CAT C VISIBILITY 1/2 MILE" - REMOVED BACKUP ALTIMETER FROM PROCEDURE.
15. UPDATED CHART NOTE FROM "FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY ALL CATS TO 1 1/4 MILES" TO "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 1 1/8 MILES" - IAW INOPERATIVE TABLE AND CURRENT 8260-3C TABLE 3-3-1..
16. REMOVED CHART NOTE "WHEN USING SPRINGFIELD ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT C" TO 8260-9 REMARKS - REMOVED BACKUP ALTIMETER FROM PROCEDURE.
17. CHANGED CHART NOTE FROM "WHEN VGSI INOP, CIRCLING RWY 13 PROCEDURE NA AT NIGHT" TO "CIRCLING RWY 13, 31 NA AT NIGHT" - 20:1 PENETRATIONS.
18. REMOVED HELICOPTER VISIBILITY REDUCTION 1 SM RESTRICTION FROM RWY 1 - NO 20:1 PENETRATIONS EXIST.
19. REMOVED CHART NOTE "DME/DME RNP-0.3 NA" - NO LONGER REQUIRED BY CRITERIA.
20. ADDED PBN REQUIREMENTS NOTE "RNP APCH" - IAW CURRENT 8260.19.
21. UPDATED FPAP LONGITUDE FROM 0725656.7930W TO 0725659.9555W - NEW FAF LOCATION.
22. CHANGED LENGTH OFFSET FROM 1224 TO 1136 - NEW TCH.
23. REMOVED CHART NOTE "RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 OBSTACLE IS FRANGIBLE APPROACH LIGHT.
24. INCREASED VDP DISTANCE FROM 2.7 NM TO 3.0 NM - NEW TCH.
25. DECREASED ADDITIONAL FLIGHT DATA FAS OBSTACLE HEIGHT FROM 1799 FEET TO 1779 FEET - OBSTACLE HEIGHT LOWERED BY 20 FEET.
26. CHANGED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVAL ON MPV VOR/DME AIRWAY RADIALS 173 CW 317" TO "PROCEDURE NA FOR ARRIVAL ON MPV VOR/DME AIRWAY RADIALS 173 CW 237" - AIRCRAFT OVERFLYING BTV ON V104-151 WILL USE BTV FEEDER.



**COORDINATED WITH:**

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

<b><u>FLIGHT CHECKED BY</u></b>	<i>Digitally signed by</i>	<b><u>OFFICE</u></b>	<b><u>DATE</u></b>	
JORGE A MALCUN	<b>ROBERT G HAMILTON</b>	FICO	9/14/18	
	Sep 28, 2018			
<b><u>DEVELOPED BY</u></b>	<i>Digitally signed by</i>	<b><u>OFFICE</u></b>	<b><u>DATE</u></b>	
DUSTIN DAVIDSON	<b>DUSTIN DAVIDSON</b>	AJV-5422	03/14/2018	
	Jun 11, 2018			
<b><u>APPROVED BY</u></b>	<i>Digitally signed by</i>	<b><u>OFFICE</u></b>	<b><u>DATE</u></b>	<b><u>TITLE</u></b>
JULIE MORGAN	<b>ROBERT G HAMILTON</b>	AJV-5420		MANAGER
	Sep 28, 2018			



**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRUT
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19B
LTP/FTP LATITUDE	433219.0110N
LTP/FTP LONGITUDE	0725659.9555W
LTP/FTP ELLIPSOIDAL HEIGHT	+00208
FPAP LATITUDE	433049.9275N
FPAP LONGITUDE	0725656.7995W
THRESHOLD CROSSING HEIGHT (TCH)	00054.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1136
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7BBED791

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02359
FPAP ORTHOMETRIC HEIGHT	+02359

