

**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.

AIRPORT SOUTHEAST IOWA RGNL	AIRPORT ID KBRL	PROCEDURE NAME RNAV (GPS) RWY 12	ORIGINAL/AMENDMENT 1B	CITY BURLINGTON	STATE IA
AIRPORT ELEVATION 698	TDZE 693	SUPERSEDED RNAV (GPS) RWY 12	ORIGINAL/AMENDMENT 1A	DATED 04/02/2015	MAG VAR 1E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 20 JUNE 2019	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND	EPOCH YEAR 1995

TAA THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-12.

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 028/30 CW 208/30	NOPT	FABOL	IF/IAF	3000
2. 208/30 CW 028/30		208/25 CW 028/25		3100
3. 208/25 CW 028/25		FABOL	IF/IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FABOL	IF/IAF	JANGA		TF	FB	1.00	118.40	6.20	2400
JANGA	FAF	UPBEM/2.60 NM TO RW12		TF	FB	0.30	118.48	2.64	
UPBEM/2.60 NM TO RW12		RW12	MAP	TF	FO	0.30	118.48	2.60	
RW12	MAP	943 MSL		CA			118.48		
943 MSL		HEMMY		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT HEMMY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NW FABOL, RT, 118.40 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 118.48 **FAF:** JANGA **DIST FAF TO MAP:** 5.24 **DIST FAF TO THLD:** 5.24
- 4. **MIN ALT:** FABOL 3000, JANGA 2400, UPBEM/2.60 NM TO RW12 1540*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.66 **GS ANT:**
- 6. **MIN GP INCPT:** 2400 **GP ALT AT FAF :** JANGA 2400 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 39.0
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

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

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
 CHART VDP AT 1.22 NM TO RW12*
 *LNAV ONLY
 WAAS CHANNEL #48834
 REFERENCE PATH ID: W12A
 CHART FAS OBST: 856 TOWER 404818N/0910840W.
 HOLD SE, RT, 298.69 INBOUND
 LTP HAE: 177.9 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	943	1	250	943	1	250	943	1	250		NA					
LNAV/VNAV DA	1017	1 1/8	324	1017	1 1/8	324	1017	1 1/8	324		NA					
LNAV MDA	1120	1	427	1120	1	427	1120	1 1/4	427		NA					
CIRCLING	1180	1	482	1180	1	482	1380	2	682		NA					



CHANGES - REASONS

1. REMOVED NOTE: "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED." - VISUAL SURFACE CLEAR OF PENETRATIONS.
2. INCREASED CIRCLING CAT A/B MDA 1160/ HAA 462 TO MDA 1180/HAA 482. - NEW OBSTACLE.
3. REMOVED DME/DME RNP-0.3 NA AND ADDED EQUIPMENT REQUIREMENTS NOTE: RNP APCH - .19H PARA 8-6-8.
4. CHANGED NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAVNAV NA BELOW -21C OR ABOVE 54C. " - FAHRENHEIT IS NO LONGER REQUIRED ON THIS NOTE.
5. DECREASED CIRCLING CAT C MDA 1400/HAA 702 TO MDA 1380/HAA 682. - SAME CONTROLLING OBSTACLE, NEW SURVEY LOWERED OBSTACLE FROM 1087 TO 1080 MSL.
6. REMOVED ALL NOTES AND REFERENCES TO FORT MADISON ALTIMETER SETTING - LOCAL ASOS ON WMSCR, NOTES MOVED TO FORM 8260-9 FOR CONTINGENCY USE.
7. INCORPORATED CHANGES FROM AMDT 1A - IAW FAO 8260.19H, PARA 8-3-4C(2).

5/7/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 4/4/19

1. TERMINAL ROUTE FROM JANGA TO UPBEM CHANGED RNP VALUE FROM 1.00 TO 0.30.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** AMGR, ZAU

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

DEVELOPED BY

JIMMY S. HUGHES

Digitally signed by
CASIMIR L TABAKA

CASIMIR L TABAKA

May 07, 2019

OFFICE

AJV-A422

DATE

02/08/2019

APPROVED BY

JULIE MORGAN

Digitally signed by
CASIMIR L TABAKA
May 07, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBRL
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	404729.0625N
LTP/FTP LONGITUDE	0910809.5485W
LTP/FTP ELLIPSOIDAL HEIGHT	+01779
FPAP LATITUDE	404645.0900N
FPAP LONGITUDE	0910627.5100W
THRESHOLD CROSSING HEIGHT (TCH)	00039.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1120
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	930C271C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02110
FPAP ORTHOMETRIC HEIGHT	+02110

