

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> BANGOR INTL	<u>AIRPORT ID</u> KBGR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> BANGOR	<u>STATE</u> ME
<u>AIRPORT ELEVATION</u> 192	<u>TDZE</u> 163	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 04/27/2017	<u>MAG VAR</u> 16W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
YOSTT		ASINE		TF	FB	1.00	099.01	36.51	3000
NIELD		SEZTY		TF	FB	1.00	184.11	24.20	3000
ASINE	IAF	ELSUH	NOPT	TF	FB	1.00	060.28	6.76	3000
SEZTY	IAF	ELSUH	NOPT	TF	FB	1.00	240.44	6.76	3000
ELSUH	IF/IAF	CUVOT		TF	FB	1.00	330.36	8.00	2300
CUVOT	FAF	ZUMSI/3.40 NM TO RW33		TF	FB	0.30	330.27	3.13	
ZUMSI/3.40 NM TO RW33		RW33	MAP	TF	FO	0.30	330.27	3.40	
RW33	MAP	363 MSL		CA			330.27		
363 MSL		IKEXE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT IKEXE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD SE ELSUH, RT, 330.36 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 8000.				
3. FAC:	330.27	FAF: CUVOT	DIST FAF TO MAP: 6.53	DIST FAF TO THLD: 6.53	
4. MIN ALT:	ELSUH 3000, CUVOT 2300, ZUMSI/3.40 NM TO RW33 1300*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:
6. MIN GP INCPT:	2300	GP ALT AT FAF : CUVOT 2300	OM:	MM:	IM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 57.4	
8. MSA FROM:	RW33 3100				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA NE OF RWYS 15 AND 33.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
*LNAV ONLY
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO RVR 5500, AND LNAV CAT E VISIBILITY TO 1 1/4 SM.
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART: ASR.
1002 AAO 444414N/0684205W
CHART CIRCLING ICON.
CHART VDP AT 1.19 NM TO RW33*
*LNAV ONLY
WAAS CHANNEL #78007
REFERENCE PATH ID: W33A
CHART FAS OBST: 338 TOWER 444812N/0684815W.
HOLD NW, RT, 150.01 INBOUND
LTP HAE: 24.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT E 800-2 1/2



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 **	363	2400	200	363	2400	200	363	2400	200	363	2400	200	363	2400	200
LNAV/VNAV DA	519	3000	356	519	3000	356	519	3000	356	519	3000	356	519	3000	356
LNAV MDA	600	2400	437	600	2400	437	600	4000	437	600	4000	437	600	4000	437
CIRCLING	640	1	448	720	1	528	740	1 1/2	548	820	2	628	880	2 1/2	688

CHANGES - REASONS

- 1. ADDED CHART NOTE: CIRCLING NA NE OF RWYS 15 AND 33: NOISE ABATEMENT.
- 2. ADDED RNP APCH TO PBN REQUIREMENTS- IAW 8260.19H 8-6-8 B.
- 3. DELETED CHART NOTE DME/DME RNP-0.3 NA- IAW 8260.19H 8-6-8 B.
- 4. ADDED NOTE: " **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA" - PER MEMO 253.
- 5. CHANGED LNAV/VNAV CAT E INOP VISIBILITY INCREASE FROM "RVR 6000" TO "RVR 5500" - PER VISCHECK TOOL.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, BGR APP CON, BGR TOWER, AIRPORT MANAGER, ATA

FLIGHT CHECKED BY

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

OFFICE

DATE

DEVELOPED BY

ROBERT G HAMILTON (EDUARDO LIMA)

Digitally signed by

CASIMIR L TABAKA

Mar 12, 2019

CASIMIR L TABAKA

Mar 12, 2019

OFFICE

AJV-A422

DATE

02/05/2019

APPROVED BY

JULIE MORGAN

Digitally signed by

CASIMIR L TABAKA

Mar 12, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBGR
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	444747.4135N
LTP/FTP LONGITUDE	0684844.3615W
LTP/FTP ELLIPSOIDAL HEIGHT	+00247
FPAP LATITUDE	444906.1365N
FPAP LONGITUDE	0685038.1520W
THRESHOLD CROSSING HEIGHT (TCH)	00057.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	60C9F15C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00497
FPAP ORTHOMETRIC HEIGHT	+00497

