

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

| TERMINAL ROUTES | | | | MISSED APPROACH |
|-----------------------|----------------------------|---------------------|----------|--|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | |
| ZOTBO (IAF) | NAXGE (NOPT) (FB) | 061.48 / 7.80 | 2500 | LPV: DA LNAV/VNAV: DA LNAV: RW33 |
| IGEFY (IAF) | NAXGE (NOPT) (FB) | 241.65 / 7.80 | 2500 | |
| NAXGE (IF/IAF) | USEZO (FB) | 331.57 / 6.00 | 2000 | CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2500 DIRECT NAXGE AND HOLD. |
| USEZO (FAF) | PIBOI/2.80 NM TO RW33 (FB) | 331.50 / 2.86 | | |
| PIBOI/2.80 NM TO RW33 | RW33 (MAP) (FO) | 331.50 / 2.80 | | |
| RW33 (MAP) | 600 MSL | 331.50 | 600 | ADDITIONAL FLIGHT DATA: CHART FAS OBST: 319 TREE 442930N/0685807W CHART 509 TREE 442142N/0685757W. DISTANCE TO THLD FROM 250 HAT: 0.75 NM. WAAS CHANNEL # 90336 REFERENCE PATH ID: W33A CHART CIRCLING ICON LTP HAE: 23.2 M |
| 600 MSL | NAXGE (FO) | | 2500 | |

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE NAXGE, RT, 331.57 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 331.50 FAF: USEZO DIST FAF TO MAP: 5.66 THLD: 5.66
4. MIN. ALT: NAXGE 2500, USEZO 2000, PIBOI/2.80 NM TO RW33 1080*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: USEZO 2000 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 18W EPOCH YEAR: 2000

MINIMUMS

| TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | | | | ALTERNATE: N A X | | | | | | | | |
|---|--------|-------|---------|--------|-------|---------|------------------|-------|---------|--------|-----|---------|--------|-----|---------|
| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 440 | 7/8 | 250 | 440 | 7/8 | 250 | 440 | 1 | 250 | | NA | | | | |
| LNAV/VNAV DA | 512 | 1 1/4 | 322 | 512 | 1 1/4 | 322 | 512 | 1 1/4 | 322 | | NA | | | | |
| LNAV MDA | 580 | 1 | 390 | 580 | 1 | 390 | 580 | 1 1/8 | 390 | | NA | | | | |
| CIRCLING | 700 | 1 | 502 | 800 | 1 | 602 | 1040 | 2 1/2 | 842 | | NA | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING BANGOR INTL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

| | | | | |
|-------------------------------|-------------------------------|------------------------------|---|-----------------|
| CITY AND STATE BELFAST, ME | ELEVATION: 198 TDZE: 190 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 13 NOVEMBER 2014 | SUP: |
| | AIRPORT NAME: BELFAST MUNI | | | AMDT: ORIG-A |
| | | | | DATED 03/5/2013 |

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INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE BANGOR INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 60FT. INCREASE LPV CATS A/B, LNAV/VNAV ALL CATS AND CIRCLING CAT C VISIBILITY 1/4 MILE; INCREASE LPV AND LNAV CAT C VISIBILITY 1/8 MILE.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

| | FROM | TO | ALT |
|----|-------------------------|---------------------|------|
| 1. | 242/30 CW 062/30 (NOPT) | 242/15 CW 062/15 | 3000 |
| 2. | 242/15 CW 062/15 | NAXGE (IF/IAF) (FB) | 2500 |
| 3. | 062/30 CW 152/30 | ZOTBO (IAF) (FB) | 3000 |
| 4. | 152/30 CW 242/30 | IGEFY (IAF) (FB) | 3000 |

CITY AND STATE

BELFAST, ME

ELEVATION: 198

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AIRPORT NAME:

BELFAST MUNI

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, AMDT 1
13 NOVEMBER 2014

SUP:

AMDT: ORIG-A

DATED: 03/05/2013

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KBST |
| RUNWAY | RW33 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W33A |
| LTP/FTP LATITUDE | 442420.2350N |
| LTP/FTP LONGITUDE | 0690022.5815W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00232 |
| FPAP LATITUDE | 442521.4770N |
| FPAP LONGITUDE | 0690152.8715W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1528 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER 03957DA6

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +00483 |
| FPAP ORTHOMETRIC HEIGHT | +00483 |

| | | | | |
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| | AIRPORT NAME: BELFAST MUNI | | RNAV (GPS) RWY 33, AMDT 1 | AMDT: ORIG-A |
| | | | 13 NOVEMBER 2014 | DATED: 03/05/2013 |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE | SPEED |
|--------|------------|-------|-----|------|------|------|-------|-----|----------------|----------|----------|----------|
| | IGEFY | IGEFY | 010 | IAF | IF | | FB | | | | | |
| | IGEFY | NAXGE | 020 | | TF | | FB | 1.0 | 241.7 (223.7T) | 007.8 | AA 02500 | |
| | NAXGE | NAXGE | 010 | IAF | HF | R | FO | | 331.6 (313.6T) | 004.0 | AA 02500 | |
| | ZOTBO | ZOTBO | 010 | IAF | IF | | FB | | | | | |
| | ZOTBO | NAXGE | 020 | | TF | | FB | 1.0 | 061.5 (043.5T) | 007.8 | AA 02500 | |
| | | NAXGE | 010 | FACF | IF | | FB | | | | AA 02500 | |
| | | USEZO | 020 | FAF | TF | | FB | 0.5 | 331.6 (313.6T) | 006.0 | AA 02000 | |
| | | PIBOI | 021 | SDF | TF | | FB | 0.3 | 331.5 (313.5T) | 002.9 | AA 01080 | GS 01090 |
| | | RW33 | 030 | MAP | TF | | FO | 0.3 | 331.5 (313.5T) | 002.8 | AT 00199 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE | SPEED |
|-----------------|-------|-----|-----|------|------|-------|-----|----------------|----------|----------|-------|
| | | 040 | | CA | | FB | | 331.5 (313.5T) | | AA 00600 | |
| | NAXGE | 050 | | DF | R | FO | | | | AA 02500 | |
| | NAXGE | 060 | | HM | R | FO | | 331.6 (313.6T) | 004.0 | AA 02500 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|------------|----------|-------------|--------------|-------------|--------------|
| | IGEFY | N442157.65 | W0684106.00 | N4421.961 | W06841.100 |
| | NAXGE | N441618.79 | W0684835.64 | N4416.313 | W06848.594 |
| | PIBOI | N442224.71 | W0685732.48 | N4422.412 | W06857.541 |
| | USEZO | N442026.75 | W0685439.10 | N4420.446 | W06854.652 |
| | ZOTBO | N441039.44 | W0685603.85 | N4410.657 | W06856.064 |
| | RW33 | N442420.24 | W0690022.58 | N4424.337 | W06900.376 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|-------------|------|---------------------|-----|
| | RW33 | 00159 | 40 |

| | | | | | |
|--------------------------------------|--------------------------------------|------------------|----------------------|--|--------------------------|
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