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|--|--------|-----------------------------|---------|--------|---------------------------|--|--|-------|------------|--------|--|------------------|------------------|-----|---------|--|
| 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 | | LPV: DA LNAV/VNAV: DA LNAV: RW22L CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT KILMA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 072.00 INBOUND. CHART FAS OBST: 290 STACK 404417N/0740736W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.47 NM TO RW22L* *LNAV ONLY. WAAS CHANNEL # 70324 REFERENCE PATH ID: W22A CHART CIRCLING ICON. LTP HAE: -29.1 M | | | | | |
| HEVNU (IF) | | CUBMO (FB) | | | 218.90 / 4.07 | | | | 3000 | | | | | | | |
| CUBMO | | OSUSE (FB) | | | 218.89 / 1.75 | | | | 2500 | | | | | | | |
| OSUSE (FAF) | | JINLA/3.20 NM TO RW22L (FB) | | | 218.88 / 4.48 | | | | | | | | | | | |
| JINLA/3.20 NM TO RW22L | | RW22L (MAP) (FO) | | | 218.88 / 3.20 | | | | | | | | | | | |
| RW22L (MAP) | | 600 MSL | | | 218.88 | | | | 600 | | | | | | | |
| 600 MSL | | KILMA (FO) | | | | | | | 3000 | | | | | | | |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HEVNU 3. FAC: 218.88 FAF: OSUSE DIST FAF TO MAP: 7.68 THLD: 7.68 4. MIN. ALT: HEVNU 3000, CUBMO 3000, OSUSE 2500, JINLA/3.20 NM TO RW22L 1080* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: OSUSE 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 42.8 34:1 IS CLEAR 8. MSA FROM: RW22L 2900 | | | | | | | | | | | MAG VAR: 13W | | EPOCH YEAR: 1985 | | | |
| MINIMUMS | | | | | | | | | | | | | | | | |
| TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | | | | ALTERNATE: N A | | STANDARD @ | | | | | | | |
| 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 | 211 | 2400 | 200 | 211 | 2400 | 200 | 211 | 2400 | 200 | 211 | 2400 | 200 | | | | |
| LNAV/VNAV DA | 430 | 5000 | 419 | 430 | 5000 | 419 | 430 | 5000 | 419 | 430 | 5000 | 419 | | | | |
| LNAV MDA | 540 | 2400 | 529 | 540 | 2400 | 529 | 540 | 5500 | 529 | 540 | 5500 | 529 | | | | |
| | | | | | | | | | | | | | | | | |
| CIRCLING | 720 | 1 | 703 | 820 | 1 | 803 | 900 | 2 3/4 | 883 | 900 | 3 | 883 | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13C (9F) OR ABOVE 54C (130F). @ CAT B 900-2, CAT C 900-2 3/4, CAT D 900-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2) | | | | | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 17 TDZE: 11 | | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | | SUP: | | | | |
| NEWARK, NJ | | AIRPORT NAME: | | | NEWARK LIBERTY INTL | | RNAV (GPS) Z RWY 22L, AMDT 2 | | | | | AMDT: 1E | | | | |
| | | | | | | | 15 SEPTEMBER 2016 | | | | | DATED 11/15/2012 | | | | |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: CIRCLING RWY 29 NA AT NIGHT.

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 MILE.

QUALITY
25
CHECKED

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|-------------------------------------|--|--|--|--------------------------|
| CITY AND STATE NEWARK, NJ | ELEVATION: 17 TDZE: 11 AIRPORT NAME: NEWARK LIBERTY INTL | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 22L, AMDT 2 15 SEPTEMBER 2016 | SUP: |
| | | | | AMDT: 1E |
| | | | | DATED: 11/15/2012 |

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

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KEWR |
| RUNWAY | RW22L |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Z |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W22A |
| LTP/FTP LATITUDE | 404152.2970N |
| LTP/FTP LONGITUDE | 0740940.8730W |
| LTP/FTP ELLIPSOIDAL HEIGHT | -00291 |
| FPAP LATITUDE | 404032.0440N |
| FPAP LONGITUDE | 0741031.8960W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00042.8 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0248 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |

CRC REMAINDER

4B85A32F

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +00032 |
| FPAP ORTHOMETRIC HEIGHT | +00032 |

QUALITY
25
CHECKED

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|----------------------------------|---|----------------------|---|-------------------|
| CITY AND STATE NEWARK, NJ | ELEVATION: 17 AIRPORT NAME: NEWARK LIBERTY INTL | TDZE: 11 RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 22L, AMDT 2 15 SEPTEMBER 2016 | SUP: |
| | | | | AMDT: 1E |
| | | | | DATED: 11/15/2012 |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KEWR

ROUTES

| TRANSITION | WPT SEQ | WPT NAME | LEG TYPE | FB/FO | RNP | MAG CRS | REC NAV | ANGLE | TURN DIR | CENTER FIX | TURN RADIUS | ALTITUDE DESCRIPTION & VALUE | SPEED LIMIT DESCRIPTION & VALUE | WPT DESCRIPTION CODE |
|------------|------------|-------------|-------------|-------|-----|------------|------------|-------|-------------|---------------|----------------|------------------------------------|---------------------------------------|----------------------------|
| | 010 | HEVNU | IF | FB | | | | | | | | AA 03000 | | E I |
| | 011 | CUBMO | TF | FB | 1.0 | 218.9 | | | | | | AA 03000 | | E |
| | 020 | OSUSE | TF | FB | 1.0 | 218.9 | | | | RW22L | | AA 02500 | | E F |
| | 021 | JINLA | TF | FB | 0.3 | 218.9 | | 3.00 | | | | AA 01080 GS 01080 | | E S |
| | 030 | RW22L | TF | FO | 0.3 | 218.9 | | 3.00 | | | | AT 00053 | | GY M |
| | 040 | | CA | FB | | 218.9 | | | | | | AA 00600 | | M |
| | 050 | KILMA | DF | FO | | | | | R | | | AA 03000 | | EY |
| | 060 | KILMA | HM | FO | | 072.0 | | | R | | | AA 03000 | | EE |

POINTS

| POINT NAME | LATITUDE | LONGITUDE |
|------------|------------|-------------|
| KILMA | N402909.70 | W0742408.82 |
| CUBMO | N405022.06 | W0740415.89 |
| HEVNU | N405401.85 | W0740155.35 |
| JINLA | N404445.21 | W0740750.81 |
| OSUSE | N404847.39 | W0740516.36 |

RUNWAYS

| RUNWAY | THRESHOLD LATITUDE | THRESHOLD LONGITUDE | THRESHOLD ELEVATION | PROCEDURE TCH |
|--------|-----------------------|------------------------|------------------------|------------------|
| RW22L | N404152.30 | W0740940.87 | 00011 | 43 |

QUALITY
25
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