

|                                                                                                                                                                                                                                         |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|----------------------------------|----------------------------------------------------------------|------|-----------------------------------------------------------------------------|--------|-----------------------------|----------|-----------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|---------|-------------------------------------|--|
| US DEPARTMENT OF TRANSPORTATION<br>FEDERAL AVIATION ADMINISTRATION                                                                                                                                                                      |        |      |                                  |                                                                |      | RNAV - STANDARD<br>INSTRUMENT APPROACH PROCEDURE<br>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 |                                                                                   |      | GLS: DA                                                                                                                                                                                                                                                                                                                                                              |        |     |         |                                     |  |
| AGNSS (IF)                                                                                                                                                                                                                              |        |      | VERDE (TF) (FB) (RNP 1.00)       |                                                                |      | 218.89 / 2.43                                                               |        |                             | 2500     |                                                                                   |      | CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT KILMA AND HOLD.                                                                                                                                                                                                                                                                                                 |        |     |         |                                     |  |
| VERDE                                                                                                                                                                                                                                   |        |      | TALTE (TF) (FB) (RNP 1.00)       |                                                                |      | 218.88 / 3.29                                                               |        |                             | 1500     |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| TALTE (FAF)                                                                                                                                                                                                                             |        |      | RW22R (MAP) (TF) (FO) (RNP 0.30) |                                                                |      | 218.86 / 4.38                                                               |        |                             |          |                                                                                   |      | ADDITIONAL FLIGHT DATA:<br>HOLD W, RT, 072.00 INBOUND.<br>DISTANCE TO THLD FROM 200 HAT: 0.46 NM.<br>GBAS CHANNEL # 20672<br>REFERENCE PATH ID: G22B<br>LTP HAE: -29.3                                                                                                                                                                                               |        |     |         |                                     |  |
| RW22R (MAP)                                                                                                                                                                                                                             |        |      | 600 MSL (CA)                     |                                                                |      | 218.86                                                                      |        |                             | 600      |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 600 MSL                                                                                                                                                                                                                                 |        |      | KILMA (DF) (FO) (RNP 1.00)       |                                                                |      |                                                                             |        |                             | 3000     |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)                                                                                                                                                    |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 2. PROFILE STARTS AT AGNSS _____                                                                                                                                                                                                        |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 3. FAC: 218.86 FAF: _____ DIST FAF TO MAP: _____ THLD: _____                                                                                                                                                                            |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 4. MIN. ALT: AGNSS 3000, VERDE 2500, TALTE 1500                                                                                                                                                                                         |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 5. DIST TO THLD FROM OM: 4.38 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____                                                                                                                                           |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 6. MIN GS INCPT: 1500 GS ALT AT: TALTE 1500 OM: _____ MM: _____ IM: _____                                                                                                                                                               |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 7. GS ANGLE: 3.10 TCH: 47.2                                                                                                                                                                                                             |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| 8. MSA FROM: RW22R 2900                                                                                                                                                                                                                 |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      | MAG VAR: 13W EPOCH YEAR: 1985                                                                                                                                                                                                                                                                                                                                        |        |     |         |                                     |  |
| 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 |                                     |  |
| GLS DA                                                                                                                                                                                                                                  | 210    | 1800 | 200                              | 210                                                            | 1800 | 200                                                                         | 210    | 1800                        | 200      | 210                                                                               | 1800 | 200                                                                                                                                                                                                                                                                                                                                                                  |        |     |         |                                     |  |
|                                                                                                                                                                                                                                         |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
|                                                                                                                                                                                                                                         |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
|                                                                                                                                                                                                                                         |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| NOTES:<br>CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 210.<br>CHART PROFILE NOTE: VGSI AND GLS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).<br>PBN REQUIREMENTS NOTE: RNP APCH<br>PBN REQUIREMENTS NOTE: GPS REQUIRED. |        |      |                                  |                                                                |      |                                                                             |        |                             |          |                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         |                                     |  |
| CITY AND STATE<br>NEWARK, NJ                                                                                                                                                                                                            |        |      |                                  | ELEVATION: 17 TDZE: 10<br>AIRPORT NAME:<br>NEWARK LIBERTY INTL |      |                                                                             |        | FACILITY IDENTIFIER:<br>GLS |          | PROCEDURE NO./AMDT NO./EFFECTIVE DATE:<br>GLS RWY 22R, AMDT 1A<br>8 NOVEMBER 2018 |      |                                                                                                                                                                                                                                                                                                                                                                      |        |     |         | SUP:<br>AMDT: 1<br>DATED 09/13/2018 |  |

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR 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.

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

|                                          |               |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 14            |
| AIRPORT IDENTIFIER                       | KEWR          |
| RUNWAY                                   | RW22R         |
| APPROACH PERFORMANCE DESIGNATOR          | 1             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 1             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | G22B          |
| LTP/FTP LATITUDE                         | 404156.4015N  |
| LTP/FTP LONGITUDE                        | 0740951.9705W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | -00293        |
| FPAP LATITUDE                            | 404031.3715N  |
| FPAP LONGITUDE                           | 0741046.0205W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00047.2       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.10         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0000          |

**CRC REMAINDER**

2EE38ED8

**ADDITIONAL PATH POINT RECORD INFORMATION**

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K6     |
| LTP ORTHOMETRIC HEIGHT  | +00030 |
| FPAP ORTHOMETRIC HEIGHT | +00030 |

QUALITY  
18  
CHECKED

|                              |                                                       |                                         |                                                                                   |                   |
|------------------------------|-------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------|-------------------|
| CITY AND STATE<br>NEWARK, NJ | ELEVATION: 17<br>AIRPORT NAME:<br>NEWARK LIBERTY INTL | TDZE: 10<br>FACILITY IDENTIFIER:<br>GLS | PROCEDURE NO./AMDT NO./EFFECTIVE DATE:<br>GLS RWY 22R, AMDT 1A<br>8 NOVEMBER 2018 | SUP:              |
|                              |                                                       |                                         |                                                                                   | AMDT: 1           |
|                              |                                                       |                                         |                                                                                   | DATED: 07/21/2016 |