

|   |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
|---|--------|-----|---------|-----------------------------|-----|---------|--|-----------------------------|---------|-----------------|-------|----------|-----------------|--|---------|--|--|--|--|--|--|--|--|--|--|--|
| US DEPARTMENT OF TRANSPORTATION<br>FEDERAL AVIATION ADMINISTRATION                            |        |     |         |                             |     |         | ILS - STANDARD<br>INSTRUMENT APPROACH PROCEDURE<br>TITLE 14 CFR PART 97.29 |                             |         |                 |       |          |                 |  |         |  | 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 |                 | ILS: DA<br>LOC: 4.80 NM AFTER LUF SY/I-JZQ 4.64 DME/RADAR OR AT I-JZQ 0.16 DME   |         |  |  |  |  |  |  |  |  |  |  |  |
| ORF VORTAC  |        |     |         | JHALL INT/I-JZQ 10.67 DME   |     |         |  | 044.40 / 11.79              |         |                 |       | 2000     |                 | CLIMB TO 2000 ON ORF VORTAC R-225 TO CALEY/ORF 11.51 DME/RADAR AND HOLD.   |         |  |  |  |  |  |  |  |  |  |  |  |
| HCM VORTAC (IAF)  |        |     |         | JHALL INT/I-JZQ 10.67 DME   |     |         |  | 134.00 / 39.70 (ORF LR-034) |         |                 |       | 2000     |                 | ALTERNATE MA (DO NOT CHART): CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 335 AND ON HCM VORTAC R-155 TO HCM VORTAC AND HOLD SE, RT, 335.00 INBOUND. |         |  |  |  |  |  |  |  |  |  |  |  |
| CCV VORTAC (IAF)  |        |     |         | JHALL INT/I-JZQ 10.67 DME   |     |         |  | 198.16 / 18.13              |         |                 |       | 2000     |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| JHALL INT/I-JZQ 10.67 DME (IF/IAF)  |        |     |         | LUF SY/I-JZQ 4.64 DME/RADAR |     |         |  | 226.80 / 6.03 (I-JZQ)       |         |                 |       | 1600     |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)          |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  | ADDITIONAL FLIGHT DATA:<br>HOLD SW, RT, 045.20 INBOUND.<br>CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE HCM VORTAC, RT, 335.00 INBOUND.<br>FAS OBST: 200 SHIP 365737N/0760820W<br>CHART IN PROFILE VIEW: I-JZQ DME ANTENNA<br>CHART VDP AT 1.06 DME*<br>DISTANCE VDP TO THLD 1.22 NM.<br>*LOC ONLY.<br>CHART IN PLANVIEW: HCM VORTAC.<br>CHART CIRCLING ICON.<br>CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. |  |  |  |  |  |  |  |  |  |
| 2. HOLD NE JHALL, LT, 226.80 INBOUND, 2000 FT. IN LIEU OF PT (IAF)                            |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| 3. FAC: 226.80 FAF: LUF SY/I-JZQ 4.64 DME/RADAR DIST FAF TO MAP: 4.80 THLD: 4.80              |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| 4. MIN. ALT: JHALL 2000, LUF SY 1600  |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1009 |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| 6. MIN GS INCPT: 1600 GS ALT AT: LUF SY 1600 OM: _____ MM: _____ IM: _____                    |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| 7. GS ANGLE: 3.00 TCH: 55.0   |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| 8. MSA FROM: ORF VORTAC 360-090 1800, 090-360 2300  |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| MAG VAR: 9W EPOCH YEAR: 1985  |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| MINIMUMS  |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT   |        |     |         |                             |     |         | ALTERNATE: N A   |                             |         | ILS: STANDARD # |       |          | LOC: 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 |  |  |  |  |  |  |  |  |  |  |  |
| S-ILS 23  | 226    | 1/2 | 200     | 226                         | 1/2 | 200     | 226  | 1/2                         | 200     | 226             | 1/2   | 200      |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| S-LOC 23  | 460    | 1/2 | 434     | 460                         | 1/2 | 434     | 460  | 3/4                         | 434     | 460             | 3/4   | 434      |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| CIRCLING  | 480    | 1   | 453     | 540                         | 1   | 513     | 540  | 1 1/2                       | 513     | 900             | 2 3/4 | 873      |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| NOTES:  |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| # @ CAT D 900-2 3/4   |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| CITY AND STATE<br>NORFOLK, VA   |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| ELEVATION: 27 TDZE: 26<br>AIRPORT NAME:<br>NORFOLK INTL                                       |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| FACILITY IDENTIFIER:<br>I-JZQ   |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| PROCEDURE NO./AMDT NO./EFFECTIVE DATE:<br>ILS OR LOC RWY 23, AMDT 8<br>1 FEBRUARY 2018        |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |
| SUP:<br>AMDT: 7A<br>DATED 06/25/2015  |        |     |         |                             |     |         |  |                             |         |                 |       |          |                 |  |         |  |  |  |  |  |  |  |  |  |  |  |

