

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> LYNCHBURG RGNL/PRESTON GLENN FLD | <u>AIRPORT ID</u> KLYH | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 22 | <u>ORIGINAL/AMENDMENT</u> ORIG-B | <u>CITY</u> LYNCHBURG | <u>STATE</u> VA |
| <u>AIRPORT ELEVATION</u> 938 | <u>TDZE</u> 938 | <u>SUPERSEDED</u> RNAV (GPS) RWY 22 | <u>ORIGINAL/AMENDMENT</u> ORIG-A | <u>DATED</u> 01/07/2016 | <u>MAG VAR</u> 8W |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | <u>EPOCH YEAR</u> 1995 |

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> |
|--------------------|------------------------|------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| LYH VOR/DME | | KUJUM | | TF | FO | 2.00 | 034.06 | 15.70 | 4400 |
| CLYFF | IAF | KUJUM | NOPT | TF | FB | 1.00 | 172.72 | 11.15 | 4400 |
| RADIA | IAF | KUJUM | NOPT | TF | FB | 1.00 | 128.28 | 13.60 | 4400 |
| SWARM | IAF | KUJUM | NOPT | TF | FB | 1.00 | 283.80 | 8.08 | 4400 |
| KUJUM | IF/IAF | JIXOX | | TF | FB | 1.00 | 215.87 | 6.02 | 2500 |
| JIXOX | FAF | RW22 | MAP | TF | FO | 0.30 | 215.84 | 4.68 | |
| RW22 | MAP | 1250 MSL | | CA | | | 215.84 | | |
| 1250 MSL | | KUCEC | | DF | FB | 1.00 | | | |
| KUCEC | | LYH VOR/DME | | TF | FO | 1.00 | 206.83 | 3.03 | 3000 |

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT KUCEC AND TRACK 206.83 TO LYH VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD NE KUJUM, RT, 215.87 INBOUND, 4400 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 215.84 FAF: JIXOX DIST FAF TO MAP: 4.68 DIST FAF TO THLD: 4.68
4. MIN ALT: KUJUM 4400, JIXOX 2500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 312 HAT: 0.82 GS ANT: MM: IM:
6. MIN GP INCPT: 2500 GP ALT AT FAF : JIXOX OM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 51.0
8. MSA FROM: RW22 5500

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 47C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LYH VORTAC ON V16-260 WEST BOUND.
CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW AND PROFILE NOTE: FOR LNAV/VNAV FLY VISUAL TO AIRPORT, 216.00 DEGREES- 3 MILES.
CHART NOTE: CIRCLING RWY 17 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
WAAS CHANNEL #97705
REFERENCE PATH ID: W22A
CHART FAS OBST: 1469 TWR 372057N/0791004W.
HOLD SW, RT, 030.41 INBOUND
LTP HAE: 254.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 1100-2, CAT C, D 1100-3

| 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 | 1250 | 1 | 312 | 1250 | 1 | 312 | 1250 | 1 | 312 | 1250 | 1 | 312 | | | |
| LNAV/VNAV DA | 1939 | 2 | 1001 | 1939 | 2 | 1001 | 1939 | 3 | 1001 | 1939 | 3 | 1001 | | | |
| LNAV MDA | 1720 | 1 | 782 | 1720 | 1 1/4 | 782 | 1720 | 2 1/4 | 782 | 1720 | 2 1/2 | 782 | | | |
| CIRCLING | 1720 | 1 | 782 | 1780 | 1 1/4 | 842 | 1800 | 2 1/2 | 862 | 1800 | 2 3/4 | 862 | | | |



CHANGES - REASONS

- 1. CHANGED ALL REFERENCES TO LYH VORTAC TO LYH VOR/DME. - LYH VORTAC CHANGING TO LYH VOR/DME.
- 2. CHANGED HELICOPTER VISIBILITY NOTE TO READ: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGED CIRCLING CAT B MDA 1780/HAA 842, CHARTED CIRCLING ICON - P-NOTAM 5/4426 (AMDT ORIG-A).
- 3. LTP COORDINATES CHANGED FROM 371955.0820N/0791147.6980W TO 371955.0680N/0791147.6875W, AND CRC REMAINDER FROM 190A9A5E TO 8B0D09EF IN FAS DATA. - NEW FAS DATA PULL.
- 4. ADDED CHART NOTE: CIRCLING RWY 17 NA AT NIGHT. - RWY 17 20:1 PENETRATORS (AIRPORT IDENTIFIED.)
- 5. REMOVED DME/DME RNP-0.3 NA NOTE AND ADDED RNP APPROACH TO PBN REQUIREMENTS NOTE. - FAAO 8260.19H PARAGRAPH 1-1-5 F (14).
- 6. CHANGED 'VIA' TO 'ON' IN NA FOR ARRIVALS AT LHY VORTAC NOTE. - VIA NO LONGER USED.
- 7. REMOVED FAHRENHEIT TEMPERATURES FROM THE BARO-VNAV RESTRICTIONS. - FAAO 8260.19H PARAGRAPH 8-6-9S.
- 8. IN MISSED APPROACH INSTRUCTIONS, CHANGED VIA 206.83 TRACK TO LYH TO TRACK 206.83 TO LYH. - VIA NO LONGER USED IN MISSED APPROACH INSTRUCTIONS.
- 9. ADDED CA LEG TO MISSED APPROACH. - FOR CODING PURPOSES.
- 10. CHANGED ALTERNATE MINS FROM: STANDARD-CAT B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4 TO : CAT A/B 1100-2, CAT C/D 1100-3 - BASED ON THE HIGHER LNAV/VNAV VISIBILTY MINIMUMS.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDC, ROA APP CON, KLYH ATCT/ARPT MGR., ATA

FLIGHT CHECKED BY Digitally signed by
JOHN D JEFFERS DONALD H LANIER
Oct 15, 2018

DEVELOPED BY Digitally signed by
LIAM DONAHUE LIAM DONAHUE

APPROVED BY Sep 20, 2018
PATRICK MULQUEEN Digitally signed by
DONALD H LANIER
Oct 15, 2018

OFFICE DATE
FICO 10/10/18

OFFICE DATE
AJV-5431 08/03/2018

OFFICE DATE TITLE
AJV-5430 MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KLYH |
| RUNWAY | RW22 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W22A |
| LTP/FTP LATITUDE | 371955.0680N |
| LTP/FTP LONGITUDE | 0791147.6875W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +02541 |
| FPAP LATITUDE | 371836.1700N |
| FPAP LONGITUDE | 0791239.8100W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00051.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0584 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

| | |
|---------------|----------|
| CRC REMAINDER | 8B0D09EF |
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ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +02859 |
| FPAP ORTHOMETRIC HEIGHT | +02859 |

