

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 ELEVATION</u> 938	<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>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SUPERSEDED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 **THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 18-25.**

<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:

6. MIN GP INCPT: 2500 GP ALT AT FAF : JIXOX OM: MM: IM:


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 -16°C OR ABOVE 47°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LYH VOR/DME 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 AND CHANGED ALT MINIMUMS TO STANDARD, EXCEPT CAT B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4.- 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.

10/31/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/15/18.
1. LYH VORTAC IS CHANGED TO LYH VOR/DME IN PROCEDURE NA FOR ARRIVALS AT NOTE.

COORDINATED WITH:

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

<u>FLIGHT CHECKED BY</u> <i>Digitally signed by</i>		<u>OFFICE</u>	<u>DATE</u>
JOHN DOY JEFFERS DONALD H LANIER		FIOG	10/10/2018
Nov 02, 2018			
<u>DEVELOPED BY</u> <i>Digitally signed by</i>		<u>OFFICE</u>	<u>DATE</u>
LIAM DONAHUE LIAM DONAHUE		AJV-5431	08/03/2018
<u>APPROVED BY</u> Oct 31, 2018		<u>OFFICE</u>	<u>DATE</u>
PATRICK MULQUEEN <i>Digitally signed by</i>		AJV-5430	
DONALD H LANIER			<u>TITLE</u>
Nov 02, 2018			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

ADDITIONAL PATH POINT RECORD INFORMATION

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

