

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 4	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> LYNCHBURG	<u>STATE</u> VA	
<u>AIRPORT ELEVATION</u> 938	<u>TDZE</u> 905	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 01/07/2016	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 1995
<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>		

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		KILBE		TF	FO	2.00	218.49	9.98	3000
AYARA	IAF	KILBE	NOPT	TF	FB	1.00	079.02	9.22	3000
SYCAM	IAF	KILBE	NOPT	TF	FB	1.00	336.85	6.56	3000
KILBE	IF/IAF	KOECK		TF	FB	1.00	035.71	7.77	2900
KOECK	FAF	CAPAB/3.00 NM TO RW04		TF	FB	0.30	035.77	3.02	
CAPAB		RW04	MAP	TF	FO	0.30	035.77	3.00	
RW04	MAP	1175 MSL		CA			035.77		
1175 MSL		JIXOX		DF	FB	1.00			
JIXOX		SWARM		TF	FO	1.00	075.37	11.76	3500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT JIXOX AND TRACK 075.37 TO SWARM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
22
CHECKED

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD SW KILBE, RT, 035.71 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	035.77	FAF: KOECK	DIST FAF TO MAP: 6.02	DIST FAF TO THLD: 6.02	
4. MIN ALT:	KILBE 3000, KOECK 2900, CAPAB/3.00 NM TO RW04 1900*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	270 HAT: 0.70	GS ANT:
6. MIN GP INCPT: 2900	GP ALT AT FAF : KOECK 2900			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 57.8		
8. MSA FROM:	RW04 5500				

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 47C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LYH VOR/DME ON V470 EAST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT A AND B VISIBILITY TO RVR 5000.
CHART NOTE: CIRCLING RWY 17 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.42 NM TO RW04*
*LNAV ONLY
WAAS CHANNEL #58205
REFERENCE PATH ID: W04A
CHART FAS OBST: 1088 TOWER 371850N/0791314W.
HOLD NE, LT, 237.30 INBOUND
LTP HAE: 240.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4

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	1175	4000	270	1175	4000	270	1175	4000	270	1175	4000	270			
LNAV/VNAV DA	1394	6000	489	1394	6000	489	1394	6000	489	1394	6000	489			
LNAV MDA	1400	4000	495	1400	4000	495	1400	5000	495	1400	5000	495			
CIRCLING	1660	1	722	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 VOR/DME.
- 2. LPV DA 1175 ALL CATS. LNAV/VNAV DA 1394 ALL CATS. LNAV HAT 495 ALL CATS AND VISIBILITY CAT C RVR 5000. TDZE 905. CIRCLING CAT A MDA 1660/HAA 722, CAT B MDA 1780/HAA 842. CHART CIRCLING ICON. ALTERNATE MINIMUMS STANDARD, EXCEPT CAT B 900-2, CAT C 900-2 1/2, CAT 0 900-2 3/4. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA, AND CHANGED 34:1 IS NOT CLEAR TO: CLEAR. - P-NOTAM 5/4424 (AMDT ORIG-A).
- 3. CHANGED MALSR TO ALS IN INOPERATIVE NOTE. - FAAO 8260.19H PAGE 8-78.
- 4. LTP COORDINATES CHANGED FROM 371852.9940N/0791228.7050W TO 371852.9795N/0791228.6885W, COURSE WIDTH AT THRESHOLD FROM 96.75 TO 106.75, LENGTH OFFSET FROM 0000 TO 0584, CRC REMAINDER FROM B6208A32 TO 59689D69 AND LTP/FPAP ORTHOMETRIC HEIGHTS FROM 02725 TO 02721 IN FAS DATA. - NEW FAS DATA PULL.
- 5. ADDED CHART NOTE: CIRCLING RWY 17 NA AT NIGHT. - RWY 17 20:1 PENETRATORS (AIRPORT IDENTIFIED.)
- 6. CHANGED VIA 075.37 TRACK TO SWARM TO TRACK 075.37 TO SWARM. - VIA NO LONGER USED.
- 7. CHANGED 'VIA' TO 'ON' IN NA FOR ARRIVALS AT LHY VORTAC NOTE. - VIA NO LONGER USED.
- 8. 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).
- 9. REMOVED FAHRENHEIT TEMPERATURES FROM THE BARO-VNAV RESTRICTIONS. - FAAO 8260.19H PARAGRAPH 8-6-9 S.
- 10. ADDED CA LEG TO MISSED APPROACH. - FOR CODING PURPOSES.

PDF EDITS:

- 1. REMOVED PENETRATING OBSTACLE FROM LPV AND LNAV MISSED APPROACH SECTIONS OF THE 8260-9.



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☐

HAI

☐

NBAA

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OTHER:

ROA APP CON, KLYH ATCT, KLYH APRT MGR., ATA

FLIGHT CHECKED BY

JOHN D JEFFERS

Digitally signed by

DONALD H LANIER

Oct 15, 2018

DEVELOPED BY

LIAM DONAHUE

Digitally signed by

LIAM DONAHUE

Sep 25, 2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

DONALD H LANIER

Oct 15, 2018

OFFICE

FICO

OFFICE

AJV-5431

OFFICE

AJV-5430

DATE

10/10/18

DATE

08/03/2018

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLYH
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	371852.9795N
LTP/FTP LONGITUDE	0791228.6885W
LTP/FTP ELLIPSOIDAL HEIGHT	+02404
FPAP LATITUDE	371955.0800N
FPAP LONGITUDE	0791147.7000W
THRESHOLD CROSSING HEIGHT (TCH)	00057.8
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	59689D69
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02721
FPAP ORTHOMETRIC HEIGHT	+02721

