

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 ID</u> LUK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> CINCINNATI	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 482	<u>TDZE</u> 475	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>DATED</u> 07/11/2024	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 APRIL 2025	<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>
BOSTR		KUYEY		TF	FO	1.00	339.07	26.58	2600
MOAKS	IAF	KUYEY	NOPT	TF	FB	1.00	269.55	5.95	2600
KUYEY	IF/IAF	SIYOR		TF	FB	1.00	205.07	6.83	2000
SIYOR	FAF	YACUK/2.97 NM TO RW21		TF	FB	0.30	205.03	1.70	
YACUK/2.97 NM TO RW21		RW21	MAP	TF	FO	0.30	205.03	2.97	
RW21	MAP	797 MSL		CA			205.03		
797 MSL		WONAN		DF	FB	1.00			
WONAN		CALIF		TF	FO	1.00	129.55	8.44	2500

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT WONAN AND ON TRACK 129.55 TO CALIF AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD NE KUYEY, RT, 205.01 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.				
3.	FAC: 205.03	FAF: SIYOR	DIST FAF TO MAP: 4.67	DIST FAF TO THLD: 4.67	
4.	MIN ALT: KUYEY 2600, SIYOR 2000, YACUK/2.97 NM TO RW21 1460				
5.	DIST TO THLD FROM OM:	MM: IM:	150 HAT:	322 HAT: 0.89	GS ANT:
6.	MIN GP INCPT: 2000	GP ALT AT PFAF: SIYOR 2000		OM:	MM: IM:
7.	GP ANGLE: 3.00	34:1: IS NOT CLEAR 20:1: IS CLEAR	TCH: 38.9		
8.	MSA FROM: RW21 3000				



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: CIRCLING NA FOR CAT D NORTH OF RWY 7-25.  
CHART NOTE: CIRCLING RWY 7 NA AT NIGHT.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BOSTR ON T217 SOUTHBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MOAKS ON V5 NORTHEAST BOUND.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CAT A AND B VISIBILITY.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY TO 1 7/8 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD E, RT, 288.87 INBOUND.  
FAS OBST: 894 TREE 390751N/0842448W.  
CHART VDP AT 1.97 NM TO RW21.  
WAAS CHANNEL # 90148  
REFERENCE PATH ID: W21A  
LTP HAE: 110.7 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 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	797	5000	322	797	5000	322	797	5000	322	797	5000	322			
LNAV/VNAV DA	1160	1 1/2	685	1160	1 1/2	685	1160	1 1/2	685	1160	1 1/2	685			
LNAV MDA	1160	5000	685	1160	5000	685	1160	1 1/2	685	1160	1 1/2	685			
CIRCLING	1260	1	778	1360	1 1/4	878	1360	2 1/2	878	1420	3	938			

**CHANGES - REASONS**

1. MISSED APPROACH INSTRUCTIONS CHANGED FROM, "CLIMB TO 2600 DIRECT WONAN AND ON TRACK 130° TO CALIF AND HOLD." TO " CLIMB TO 2500 DIRECT WONAN AND ON TRACK 130° TO CALIF AND HOLD." - ATC REQUEST
2. LNAV/VNAV DA/HAT ALL CATS CHANGED FROM, "1140/665" TO "1160/685". - NEW CONTROLLING OBST
3. LNAV MDA/HAT ALL CATS CHANGED FROM, "1140/665" TO "1160/685". - NEW CONTROLLING OBST
4. CIRCLING CAT D CMDA/HAA CHANGED FROM, "1400/918" TO "1420/938". - NEW CONTROLLING OBST
5. UPDATED PLANVIEW NOTE FROM, "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BOSTR ON V128 EASTBOUND T217 SOUTHBOUND." TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BOSTR ON T217 SOUTHBOUND." - V128 REMOVED FROM FIX USE
6. FAS OBST CHANGED FROM, "CHART FAS OBST: 875 TREE (39-060429) 390756N/0842436W." TO "FAS OBST: 894 TREE 390751N/0842448W." - UPDATED TARGETS EVALUATION
7. ADDITIONAL FLIGHT DATA NOTE CHANGED FROM, "CHART VDP AT 1.96 NM TO RWY21." TO "CHART VDP AT 1.97 NM TO RW21." - UPDATED TARGETS EVALUATION
8. FAS DATA BLOCK INFORMATION: THRESHOLD CROSSING HEIGHT (TCH) CHANGED FROM, "00038.5" TO "00038.9". - UPDATED TARGETS EVALUATION
9. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM, "4C91D68E" TO "8B3ECB06". - UPDATED TARGETS EVALUATION



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

CVG APP CON, LUK ATCT, ZID, AMGR.

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

ROBERT G HAMILTON

Feb 24, 2025

OFFICE

AJF

DATE

02/23/2025

DEVELOPED BY

ERIC N SUSKI (BRYANT SMITH)

Digitally signed by

ROBERT G HAMILTON

Feb 24, 2025

OFFICE

AJV-A431

DATE

07/29/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by

ROBERT G HAMILTON

Feb 24, 2025

OFFICE

AJV-A431

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLUK
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	390630.0875N
LTP/FTP LONGITUDE	0842442.4330W
LTP/FTP ELLIPSOIDAL HEIGHT	+01107
FPAP LATITUDE	390506.8330N
FPAP LONGITUDE	0842523.4615W
THRESHOLD CROSSING HEIGHT (TCH)	00038.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0888
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8B3ECB06

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01448
FPAP ORTHOMETRIC HEIGHT	+01448

