

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> CLEVELAND-HOPKINS INTL	<u>AIRPORT ID</u> KCLE	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 6L	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> CLEVELAND	<u>STATE</u> OH	
<u>AIRPORT ELEVATION</u> 799	<u>TDZE</u> 773	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 6L	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 JUNE 2018	<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>
GROHL	IAF	FUZED		TF	FB	1.00	355.39	6.72	3800
FUZED		BETLL		TF	FB	1.00	036.85	2.87	2900
HICKR	IAF	CRTEZ		TF	FB	1.00	140.44	4.66	4000
CRTEZ		BETLL		TF	FB	1.00	084.86	3.06	2900
KWENE	IAF	DAYZD		TF	FB	1.00	057.76	6.11	4000
DAYZD		BETLL		TF	FB	1.00	057.83	3.45	2900
BETLL	IF	DEVYL		TF	FB	1.00	057.86	1.90	2300
DEVYL		BOEEE		TF	FB	1.00	057.89	1.10	2000
BOEEE	FAF	RW06L	MAP	TF	FO	0.30	057.90	3.69	
RW06L	MAP	973 MSL		CA			057.90		
973 MSL		ACAPO		DF	FB	1.00			
ACAPO		PASLE		TF	FO	1.00	001.28	8.07	3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW06L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ACAPO AND ON TRACK 001.28 TO PASLE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)	
2. PROFILE STARTS AT BETLL					
3. FAC:	057.90	FAF: BOEEE	DIST FAF TO MAP: 3.69	DIST FAF TO THLD: 3.69	
4. MIN ALT: BETLL 2900, DEVYL 2300, BOEEE 2000					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.46	
6. MIN GP INCPT: 2000	GP ALT AT FAF : BOEEE 2000			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.1		
8. MSA FROM: RW06L 3100					

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE; FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500 AND INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM.
CHART SPEED ICON IN PLANVIEW AT GROHL: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT HICKR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT KWENE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT GROHL.
CHART MANDATORY 5000 AT HICKR.
CHART MINIMUM 6000 AT KWENE.
CHART CIRCLING ICON.
CHART VDP AT 1.32 NM TO RW06L*
*LNAV ONLY
WAAS CHANNEL #56204
REFERENCE PATH ID: W06A
FAS OBST: 999 AAO 412155N/0815550W.
HOLD SW, LT, 055.00 INBOUND
LTP HAE: 200.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD



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	973	1800	200	973	1800	200	973	1800	200	973	1800	200			
LNAV/VNAV DA	1120	3000	347	1120	3000	347	1120	3000	347	1120	3000	347			
LNAV MDA	1260	2400	487	1260	2400	487	1260	5000	487	1260	5000	487			
CIRCLING	1420	1	621	1420	1	621	1420	1 3/4	621	1420	2	621			

CHANGES - REASONS

1. CHANGED GP ALT AT FAF: "BOEEE 200" TO "BOEEE 2000". - INCORRECT ALTITUDE.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOB, CLE APP CON, CLE ATCT, AMGR

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.

DEVELOPED BY

JIMMY S. HUGHES

APPROVED BY

JULIE MORGAN

Digitally signed by
JIMMY S HUGHES
May 02, 2018

OFFICE

OFFICE

AJV-5422

OFFICE

AJV-5420

DATE

DATE

05/02/2018

DATE

Digitally signed by
ROBERT G HAMILTON
May 07, 2018

Digitally signed by
ROBERT G HAMILTON
May 07, 2018

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLE
RUNWAY	RW06L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	412359.5335N
LTP/FTP LONGITUDE	0815224.5520W
LTP/FTP ELLIPSOIDAL HEIGHT	+02006
FPAP LATITUDE	412456.7495N
FPAP LONGITUDE	0815054.1480W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8F9040E5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02348
FPAP ORTHOMETRIC HEIGHT	+02348

