

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.															
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT DJB VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 077.04 INBOUND. CHART FAS OBST: 987 ATCT 412441N/0815020W. DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.30 NM TO RW28* *LNAV ONLY. WAAS CHANNEL # 40109 REFERENCE PATH ID: W28A CHART CIRCLING ICON. CHART MANDATORY 6000 AT HARDR CHART MINIMUM 6000 AT YYESS LTP HAE: 209.4 M									
HARDR (IAF)		WHONT (TF) (FB) (RNP 1.00)		255.18 / 6.28				4000											
YYESS (IAF)		JHENY (TF) (FB) (RNP 1.00)		281.56 / 3.14				5000											
JHENY		WHONT (TF) (FB) (RNP 1.00)		281.51 / 3.14				4000											
WHONT		GETTT (TF) (FB) (RNP 1.00)		281.46 / 1.26				3600											
GETTT (IF)		FOOLD (TF) (FB) (RNP 1.00)		281.45 / 3.14				2600											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT GETTT 3. FAC: 281.40 FAF: FOOLD DIST FAF TO MAP: 5.51 THLD: 5.51 4. MIN. ALT: GETTT 3600, FOOLD 2600, XUFPU/2.50 NM TO RW28 1640* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: FOOLD 2600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 46.1 20:1 IS CLEAR 34:1 IS CLEAR 8. MSA FROM: RW28 3100																MAG VAR: 8W		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	999	4000	200	999	4000	200	999	4000	200	999	4000	200							
LNAV/VNAV DA	1168	4000	369	1168	4000	369	1168	4000	369	1168	4000	369							
LNAV MDA	1260	4000	461	1260	4000	461	1260	6000	461	1260	6000	461							
CIRCLING	1420	1	621	1420	1	621	1420	1 3/4	621	1420	2	621							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING RWY 10 NA AT NIGHT. CHART SPEED ICON IN PLANVIEW AT HARDR : MAX 210 KIAS. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV. PBN REQUIREMENTS NOTE: RNP APCH.																			
CITY AND STATE		ELEVATION: 799 TDZE: 799		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
CLEVELAND, OH		AIRPORT NAME:		CLEVELAND-HOPKINS INTL		RNAV (GPS) RWY 28, AMDT 3				AMDT: 2B									
						24 MAY 2018				DATED 12/07/2017									



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FOOLD (FAF)	XUFPU/2.50 NM TO RW28 (TF) (FB) (RNP 0.30)	281.40 / 3.01	
XUFPU/2.50 NM TO RW28	RW28 (MAP) (TF) (FO) (RNP 0.30)	281.40 / 2.50	
RW28 (MAP)	1400 MSL (CA)	281.40	1400
1400 MSL	DJB VOR/DME (DF) (FO) (RNP 1.00)		3000

CITY AND STATE

CLEVELAND, OH

ELEVATION: 799

TDZE: 799

AIRPORT NAME:

CLEVELAND-HOPKINS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 3

24 MAY 2018

SUP:

AMDT: 2B

DATED: 12/07/2017

QUALITY
10
CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLE
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	412457.8200N
LTP/FTP LONGITUDE	0814956.4400W
LTP/FTP ELLIPSOIDAL HEIGHT	+02094
FPAP LATITUDE	412502.9660N
FPAP LONGITUDE	0815154.6690W
THRESHOLD CROSSING HEIGHT (TCH)	00046.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0912
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	4CDA090D
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02437
FPAP ORTHOMETRIC HEIGHT	+02437

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RNAV (GPS) RWY 28, AMDT 3

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CHECKER

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12/07/2017