

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - 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		RNP: DA							
DAHOO (IAF)		HAULN (TF) (FB) (RNP 1.00)		055.86 / 4.41				5000		CLIMB TO 3000 DIRECT ZAPAN AND ON TRACK 273.52 TO DJB VOR/DME AND HOLD.							
HAULN		SHERK (RF) (FB) (RNP 1.00)		(2.61 NM RADIUS CW (CFBMD))/8.29				3000									
CLAPT (IAF)		ZLASH (TF) (FB) (RNP 1.00)		055.90 / 4.34				5000		ADDITIONAL FLIGHT DATA: HOLD W, RT, 077.04 INBOUND. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S DISTANCE TO THLD FROM 284 HAT: 0.72 NM. CHART MANDATORY 6000 AT BUDRW. CHART MANDATORY 5000 AT LLROY. CHART MANDATORY 7000 AT DAHOO AND CLAPT. CHART MINIMUM 5000 AT PAULB. #TCH 835.0 (DON NOT CHART)							
ZLASH		SHERK (RF) (FB) (RNP 1.00)		(2.70 NM RADIUS CCW (CFVWF))/8.38				3000									
LLROY (IAF)		KEEEP (TF) (FB) (RNP 1.00)		179.74 / 5.14				4000									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 8W EPOCH YEAR: 2020							
2. PROFILE STARTS AT SHERK																	
3. FAC: 237.99 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: SHERK 3000, GROZA 2000																	
5. DIST TO THLD FROM OM: 3.66 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 2000 GS ALT AT: GROZA 2000 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 54.7 # 20:1 IS CLEAR 34:1 IS CLEAR																	
8. MSA FROM: RW24R 3100																	
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		DH/MDA VIS HAT/HAA					
AUTHORIZATION REQUIRED																	
RNP 0.13 DA		1064 2400 284		1064 2400 284		1064 2400 284		1064 2400 284		1064 2400 284							
RNP 0.30 DA		1176 3500 396		1176 3500 396		1176 3500 396		1176 3500 396		1176 3500 396							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART SPEED ICON IN PLANVIEW AT DAHOO : MAX 210 KIAS. CHART SPEED ICON IN PLANVIEW AT CLAPT : MAX 210 KIAS. CHART SPEED ICON IN PLANVIEW AT LLROY : MAX 210 KIAS. (CONTINUED ON PAGE 2)																	
CITY AND STATE CLEVELAND, OH		ELEVATION: 799 TDZE: 780 AIRPORT NAME: CLEVELAND-HOPKINS INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 24R, ORIG 24 MAY 2018				SUP: AMDT: NONE DATED					



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RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
KEEEP	SHERK (RF) (FB) (RNP 1.00)	(3.40 NM RADIUS CW (CFFCT))/3.46	3000	
BUDRW (IAF)	WIINR (TF) (FB) (RNP 1.00)	279.82 / 6.83	5000	
WIINR	HAMEE (TF) (FB) (RNP 1.00)	280.23 / 3.85	4000	
HAMEE	SHERK (RF) (FB) (RNP 1.00)	(4.60 NM RADIUS CCW (CFFDZ))/3.38	3000	
PAULB (IAF)	GRHMM (TF) (FB) (RNP 1.00)	238.10 / 3.14	4000	
GRHMM	SHERK (TF) (FB) (RNP 1.00)	238.06 / 3.14	3000	
SHERK (IF)	GROZA (TF) (FB) (RNP 1.00)	238.03 / 3.15	2000	
GROZA (FAF)	RW24R (MAP) (TF) (FO) (RNP 0.30)	237.99 / 3.66		
RW24R (MAP)	1064 MSL (CA)	237.99		
1064 MSL	ZAPAN (DF) (FB) (RNP 1.00)			
ZAPAN	DJB VOR/DME (TF) (FO) (RNP 1.00)	273.52 / 11.14	3000	
NOTES, (CONT.): CHART SPEED ICON IN PLANVIEW AT BUDRW : MAX 240 KIAS. CHART SPEED ICON IN PLANVIEW AT WIINR : MAX 210 KIAS. CHART PLANVIEW NOTE ADJACENT TO DAHOO: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO CLAPT: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO LLROY: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO BUDRW: RF REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). PBN REQUIREMENTS NOTE: RNP AR APCH CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.13 ALL CATS VISIBILITY TO RVR 4500.				
CITY AND STATE	ELEVATION: 799	TDZE: 780	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
CLEVELAND, OH	AIRPORT NAME:		RNAV	RNAV (RNP) Z RWY 24R, ORIG
	CLEVELAND-HOPKINS INTL			24 MAY 2018
				SUP:
				AMDT: NONE
				DATED:

QUALITY
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CHECKED