

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 CLIMB TO 3000 DIRECT HASLE AND ON TRACK 177.07 TO SAROW AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 178.51 INBOUND. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S DISTANCE TO THLD FROM 354 HAT: 0.95 NM. CHART MANDATORY 6000 AT BUDRW. CHART MANDATORY 5000 AT LLROY. CHART MANDATORY 7000 AT DAHOO AND CLAPT. CHART MINIMUM 5000 AT THRTN. #TCH 837.4 (DO NOT CHART).											
DAHOO (IAF)			BABBA (TF) (FB) (RNP 1.00)			057.04 / 4.65			5500														
BABBA			ALOMR (RF) (FB) (RNP 1.00)			(2.67 NM RADIUS CW (CFVDW))/8.42			3000														
CLAPT (IAF)			LAILA (TF) (FB) (RNP 1.00)			056.86 / 4.48			5500														
LAILA			ALOMR (RF) (FB) (RNP 1.00)			(2.63 NM RADIUS CCW (CFDZB))/8.21			3000														
LLROY (IAF)			HKRSN (TF) (FB) (RNP 1.00)			175.47 / 4.79			4000														
(SEE FORM 8260-10)																							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ALOMR 3. FAC: <u>238.00</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: ALOMR 3000, FELLR 2000 5. DIST TO THLD FROM OM: <u>3.65</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: FELLR 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>51.7</u> # <u>20:1 IS CLEAR 34:1 IS CLEAR</u> 8. MSA FROM: RW24L 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								
AUTHORIZATION REQUIRED																							
RNP 0.19 DA	1140	3000	354	1140	3000	354	1140	3000	354	1140	3000	354											
RNP 0.30 DA	1243	4500	457	1243	4500	457	1243	4500	457	1243	4500	457											
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: 786 AIRPORT NAME: CLEVELAND-HOPKINS INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 24L, ORIG 24 MAY 2018						SUP: AMDT: NONE DATED							



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TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HKRSN	ALOMR (RF) (FB) (RNP 1.00)	(3.60 NM RADIUS CW (CFPHB))/3.93	3000	
BUDRW (IAF)	WIINR (TF) (FB) (RNP 1.00)	279.82 / 6.83	5000	
WIINR	EYEDD (TF) (FB) (RNP 1.00)	279.34 / 3.72	4000	
EYEDD	ALOMR (RF) (FB) (RNP 1.00)	(4.47 NM RADIUS CCW (CFLCL))/3.22	3000	
THRTN (IAF)	HHERB (TF) (FB) (RNP 1.00)	238.11 / 3.14	4000	
HHERB	ALOMR (TF) (FB) (RNP 1.00)	238.07 / 3.13	3000	
ALOMR (IF)	FELLR (TF) (FB) (RNP 1.00)	238.04 / 3.15	2000	
FELLR (FAF)	RW24L (MAP) (TF) (FO) (RNP 0.30)	238.00 / 3.65		
RW24L (MAP)	1140 MSL (CA)	238.00		
1140 MSL	HASLE (DF) (FB) (RNP 1.00)			
HASLE	SAROW (TF) (FO) (RNP 1.00)	177.07 / 15.23	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 IAF: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO CLAPT IAF: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO LLROY IAF: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO BUDRW IAF: 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 0.19 ALL CATS VISIBILITY TO RVR 5500.				
QUALITY 16 CHECKED				
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