

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN OR VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								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		MAP: 2.10 MILES AFTER DLH VORTAC OR AT DLH 2.10 DME FIX						
MATEC/DLH 7.00 DME CCW (IAF)		MIZOU/DLH 7.00 DME (NOPT)		7.00 DME ARC				3800		CLIMB TO 4500 ON DLH VORTAC R-017 TO CHERL INT/DLH 15.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 197.00 INBOUND. CHART FAS OBST: 1569 ANT 465000N/0921236W CHART DLH R-288 AT MATEC. CHART DLH R-095 AT MASWE. DLH VORTAC TO RW03: 3.32/45. CHART CIRCLING ICON CHART: ASR						
MASWE/DLH 7.00 DME CW (IAF)		MIZOU/DLH 7.00 DME (NOPT)		7.00 DME ARC				3800								
MIZOU/DLH 7.00 DME (IF)		DLH VORTAC		011.96 / 7.00				2200								
1. PT <u>L</u> SIDE OF COURSE <u>191.96</u> OUTBOUND <u>3100</u> FT WITHIN <u>15</u> MILES OF <u>DLH VORTAC</u> (IAF) 2. _____ 3. FAC <u>011.61</u> FAF <u>DLH VORTAC</u> DIST FAF TO MAP <u>2.10</u> THLD <u>2.10</u> 4. MIN. ALT <u>DLH VORTAC 2200</u> 8. MSA FROM: <u>DLH VORTAC 3100</u>										MAG VAR: 5E				EPOCH YEAR: 1965		
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @						
CATEGORY >>>>>		A		B		C		D		E						
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-3		1820	1	406	1820	1	406	1820	1 1/8	406	1820	1 1/8	406	1820	1 1/8	406
CIRCLING		1880	1	452	1900	1	472	1940	1 1/2	512	2400	3	972	2400	3	972
NOTES: CHART NOTE: CIRCLING NA FOR CAT E SE OF RWY 3-27. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: RWY 3 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																
CITY AND STATE DULUTH, MN		ELEVATION: 1428 THRE: 1414 AIRPORT NAME: DULUTH INTL		FACILITY IDENTIFIER: DLH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN RWY 3, AMDT 21 14 NOVEMBER 2013						SUP				
												AMDT 20				
												DATE 06/03/2010				

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TACAN OR VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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CITY AND STATE

DULUTH, MN

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