21112 DES MOINES, IOWA AL-117 (FAA) LOC/DME I-VGU 9001 ILS or LOC RWY 13 Rwy Idg APP CRS 111.9 TDŹF 922 131° DES MOINES INTL (DSM) Apt Elev 958 Chan 56 V DME required. For inop ALS, increase S-LOC 13 Cats C/D MALSR MISSED APPROACH: Climb to 1600 then climbing Δ visibility to RVR 4500. right turn to 3000 direct DSM VORTAC then on DSM #RVR 1800 authorized with use of FD or AP or HUD to DA. VORTAC R-254 to MIDLE INT/DSM 12 DME and hold DES MOINES APP CON DES MOINES TOWER GND CON CLNC DEL 119.55 123.9 307.15 118.3 257.8 121.9 348.6 134.15 317.55 **ALTERNATE** MISSED APCH FIX 112.5 TNU Procedure NA for arrivals - R-259at GUMBO on V172 **ANKEN** Chan 72 eastbound. TNU 22 3500 ANKEN 259° (4.5) TNU 22 112.5 TNU R-259 Chan 72 **GUMBO** TNU 31.1) DSM 25 (IF/IAF) WATTY INT Λ 2004 CLIVE I-VGU 15 I-VGU (6.8) LOCALIZER 111.9 TNU 35.6 I-VGU **∷:-**TILTH 2800 I-VGU 3.4) Chan 56 105 1104 Procedure NA for arrival on DSM VORTAC airway radials 1065 288 CW 001. DES MOINES 117.5 DSM <u>-::</u> Chan 122 MIDLE DSM 12 **ELEV 958** D TDZE 922 131° 5.1 NM from FAF

1600 3000 MIDLE DSM WATTY INT DSM Δ I-VGU 15 R-254 One Minute Holding Pattern CLIVE *LOC only TILTH I-VGU 6.8) I-VGU 3.4) *I-VGU I-VGU 1.7 2600 GS 3.00° *1440 TCH 56 8.2 NM -3.4 NM-0.9 NM 0.9 NM CATEGORY Α S-ILS 13# 1122/24 200 (200-1/2) S-LOC 13 1240/24 318 (300-1/2)

1420-1 462 (500-1)

REIL Rwy 23 TDZ/CL Rwy 31 HIRL Rwys 13-31 and 5-23

FAF to MAP 5.1 NM 90 120 150 60 180 Knots Min:Sec 5:06 3:24 2:33 2:02

CIRCLING

NC-3, 27 JAN 2022

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24 FEB 2022

1760-21/2

802 (900-21/2)

1600-13/4

642 (700-134)