

05-OCT-2017

DSM-KDSM**1-10****AOI****AOI****GENERAL****Operational Hours****ATS Hours:** TWR H24**AD OPS Hours:** Attended continuously**Airport Information****RFF:** FAA INDEX C / CAT 7**Fuel:** Jet A**Customs:** SAT, SUN, HOL and night 3HR PN, requests shall be made MON-FRI 1430-2300‡.**PCN:** RWY 05/23: 34/R/B/W/T

RWY 13/31: 67/R/B/W/U

Operation**Traffic Note**

Surface Movement Guidance and Control System (SMGCS): This system consists of the provisions for guidance, control or regulation, to safe OPS of ACFT, GND vehicle and personnel on the AD during LVP.

Taxi/Parking

All FBO ramps: MAX ACFT weight 45.3t / 100000lbs.

| Taxiing on terminal APN between TWY E and TWY F prohibited.**VOR TEST FACILITY (VOT):** 109.2**Warnings****DSM VOR** unusable: R095-R150.

Use caution during landing due to raised lights in the overruns and RWY THR.

Birds in vicinity of AD.

Speed

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR United States.**Arrival Procedure****VFR Traffic Pattern:** RWY 31 right-hand circuit.**Land And Hold Short Operation (LAHSO)**

These OPS include LDG and hold short of an intersection RWY/TWY or other predetermined points on the RWY, other than RWY or TWY marked with (*).

LDG RWY	Hold Short Point (HSP)	Distance
RWY 05	RWY 13/31	1935m / 6350ft
RWY 13	RWY 05/23	1814m / 5950ft

Warnings**| ILS/DME RWY 05:** GS unusable for coupled APCH below 1256ft.

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DSM-KDSM**1-20****AOI****AOI****DEPARTURE****Take-off Minima**

RWY		05, 13/31	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	-
3+4 ENG		0 - 2400R/0.5V	-

RWY		23	
1+2 ENG	ft - ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	-

Speed

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR United States.**Departure Procedure**

Contact GND control prior push-back on terminal APN.

Noise Abatement Procedure: RWY 23: Do not overfly lake 1.5NM SW of AD.**De-icing**

Terminal ramp all gates:

De-icing before push-back unless approved by AD.

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2-10

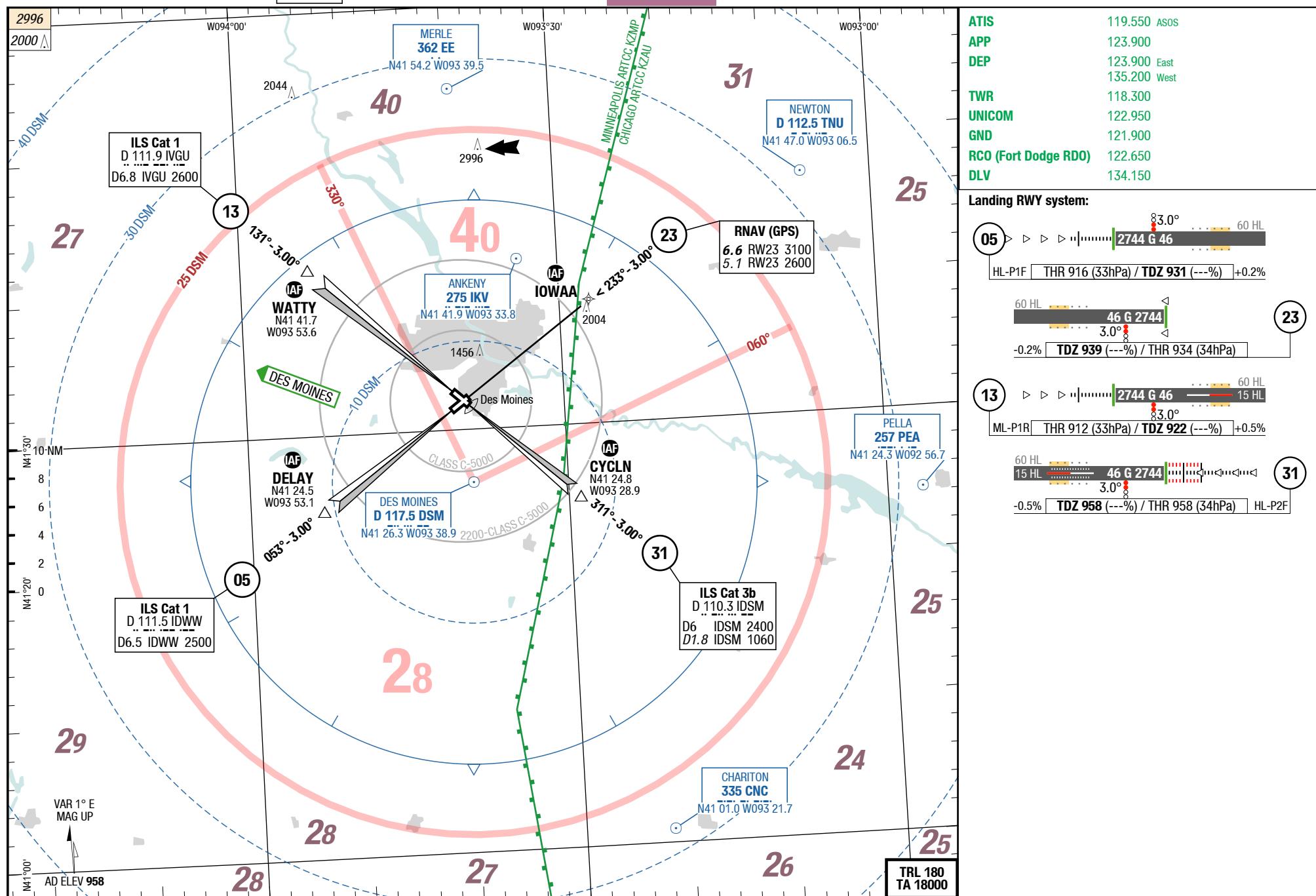
AGC
AFC

1

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AGC
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Changes: FAT, VAR, OBST, APCH boxes, IM, OM

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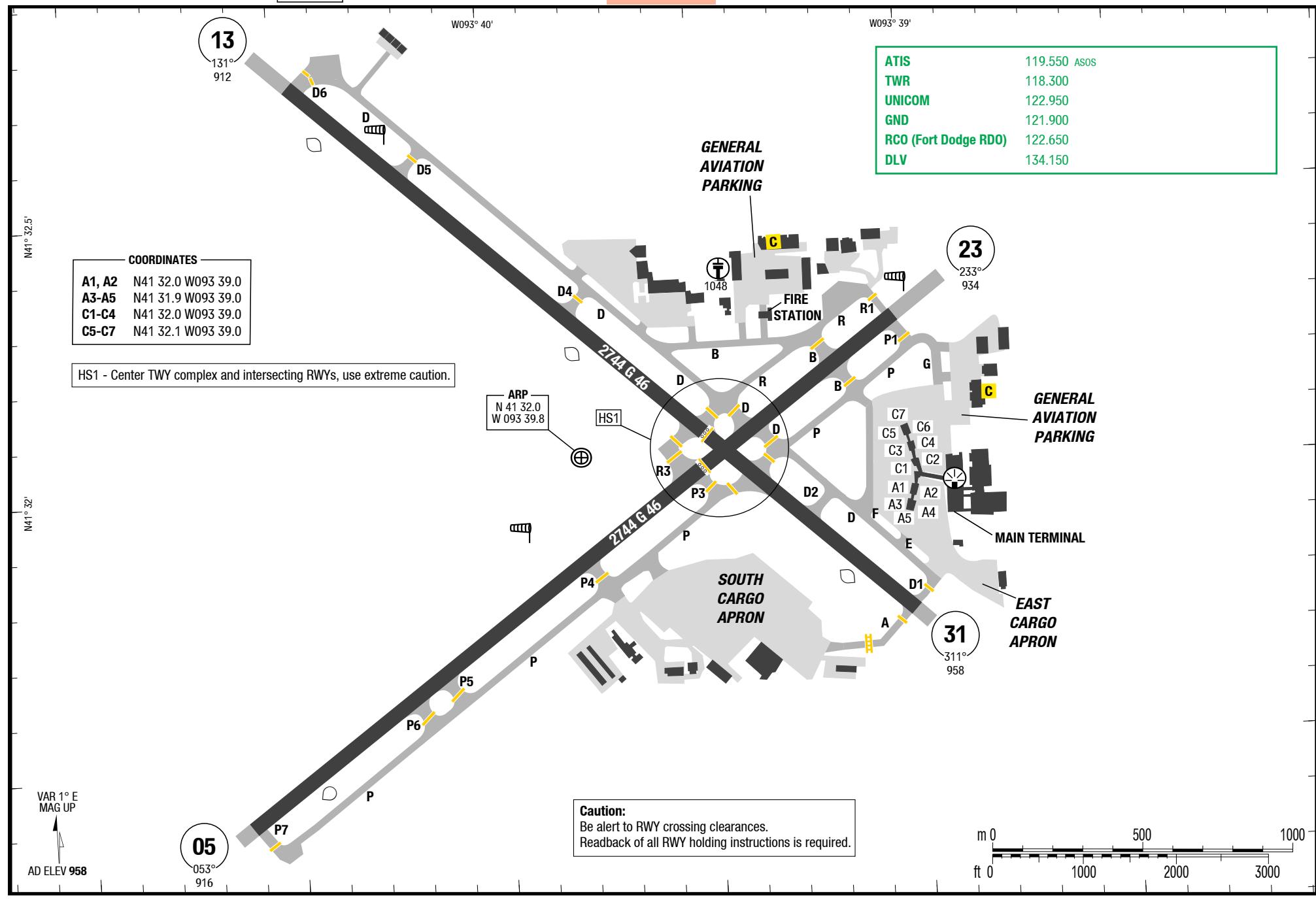
DSM-KDSM

3-20

AGC

AGC

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Changes: QFU, VAR

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NIL
LVC

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NIL
LVC

3-30

W093° 40'

W093° 39'

RVR LESS THAN 1200ft to 600ft

13

131°
912

D6

D

D5

W093° 40'

GENERAL
AVIATION
PARKING

ATIS	119.550 ASOS
TWR	118.300
UNICOM	122.950
GND	121.900
RCO (Fort Dodge RDO)	122.650
DLV	134.150

23

233°
935

GENERAL
AVIATION
PARKING

MAIN TERMINAL

EAST
CARGO
APRON

SOUTH
CARGO
APRON

HS1 - Center TWY complex and intersecting RWYs, use extreme caution.
HS2 - The AER of RWY 05 at TWY P has LTD VIS from TWR.

ARP
N 41 32.0
W 093 39.8

(⊕)

HS1

05

053°
916

P7

P

VAR 1° E
MAG UP

AD ELEV 958

Caution:
Be alert to RWY crossing clearances.
Readback of all RWY holding instructions is required.



Changes: QFU, VAR

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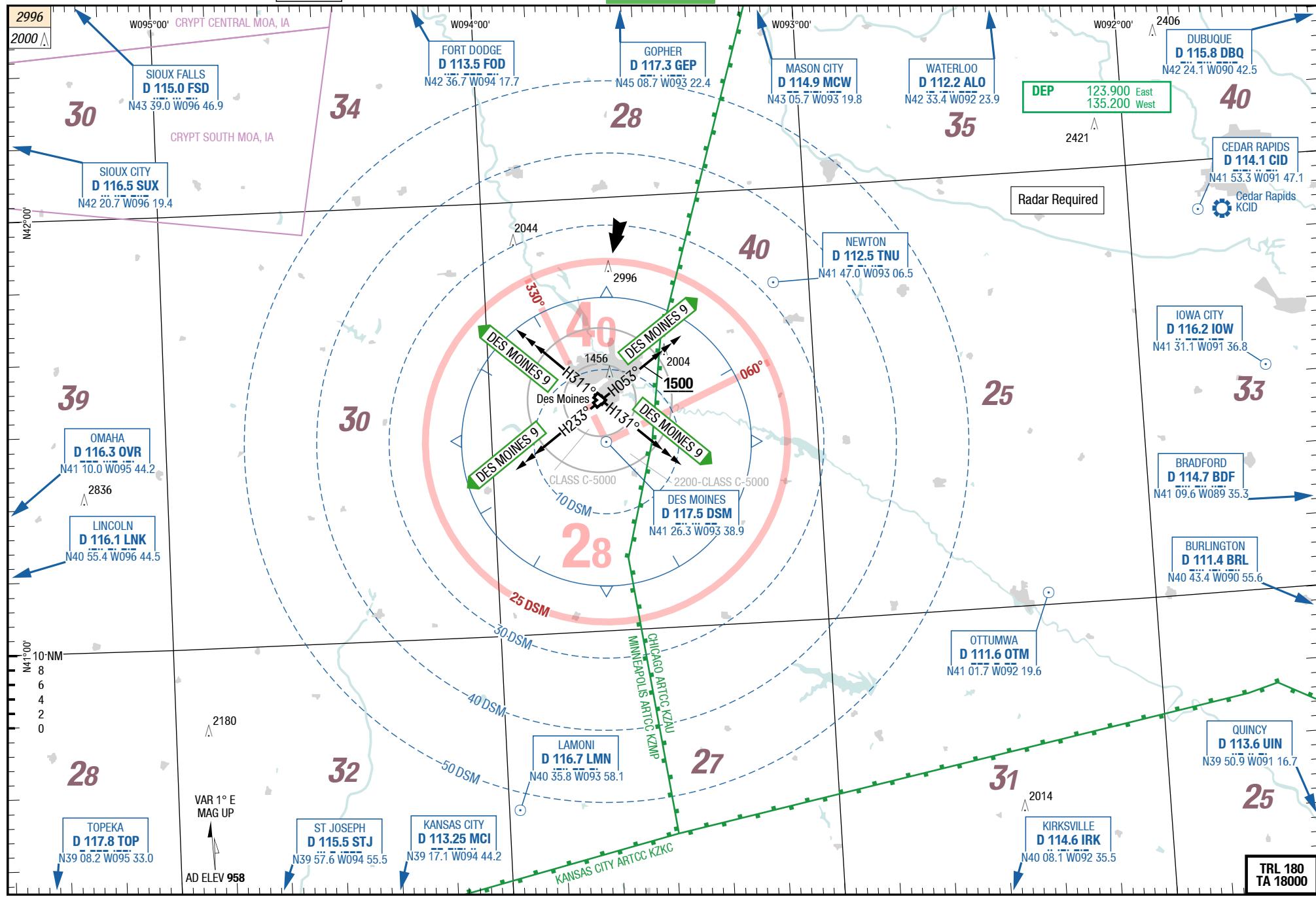
DES MOINES 9 (DSM 9)

SID
NIL

Des Moines Intl Des Moines United States

SID
NIL

DES MOINES 9 (DSM 9)



Changes: Track, NAVAID, VAR, Note, OBST, PROC renumbered

DSM-KDSM

5-10

DES MOINES 9 (DSM 9)

DES MOINES 9

RWYs 05 (053°) / 13 (131°) / 23 (233°) / 31 (311°)

DESIGNATOR	ROUTING	ALTITUDES
DES MOINES 9		
DSM 9		
123.900 (East)		
135.200 (West)		
(1)		
RWY 05	HDG 053° - at MNM 1500 LT - expect radar vectors to assigned route/fix	Initial climb 5000
RWY 13	HDG 131° - expect radar vectors to assigned route/fix	
RWY 23	HDG 233° - expect radar vectors to assigned route/fix	
RWY 31	HDG 311° - expect radar vectors to assigned route/fix	

(1) Expect clearance to filed altitude 10 minutes after departure.

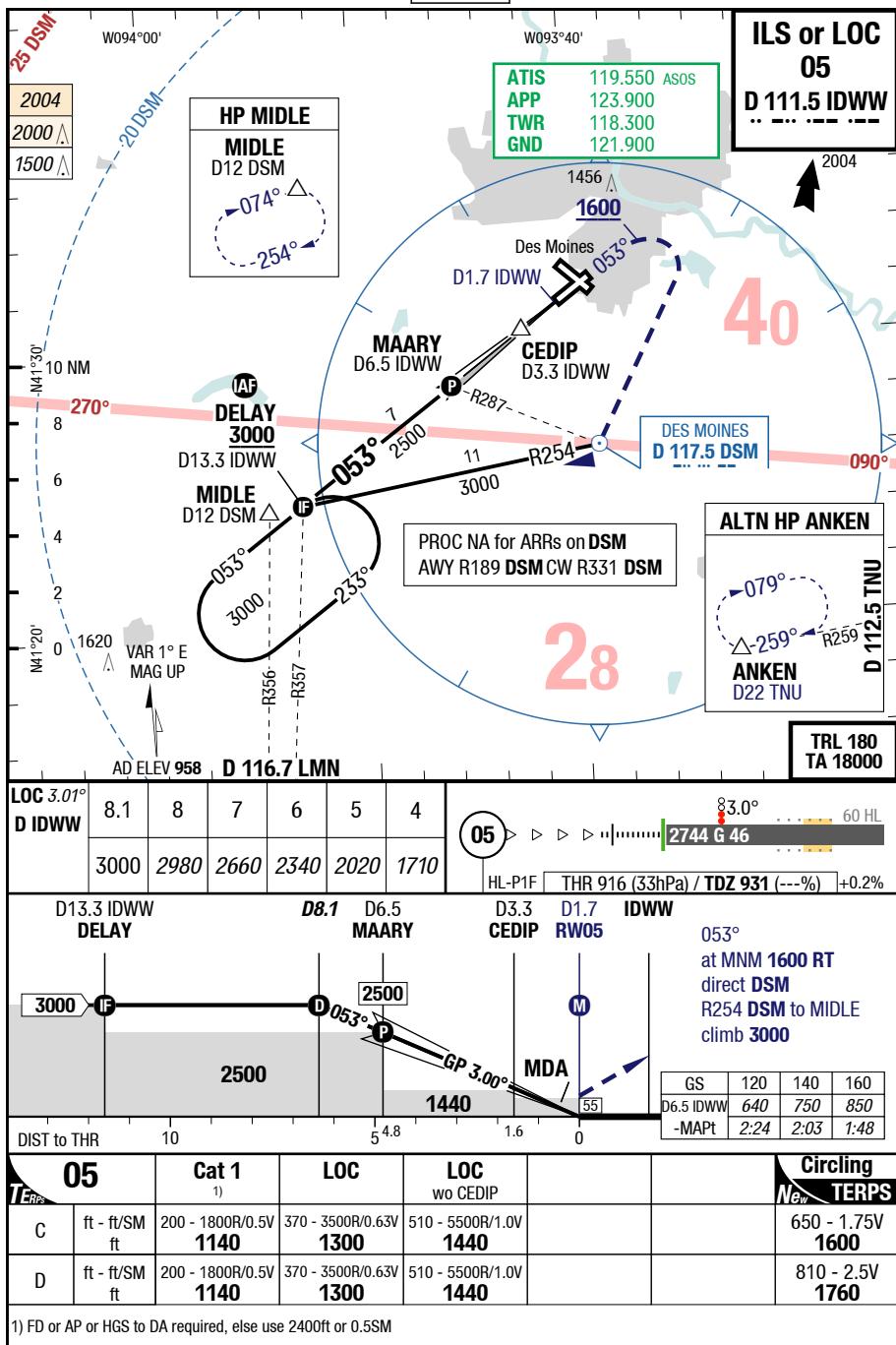
Obstacle Departure

RWY	Routing
05	HDG 053° to MNM1500 before LT
RWY	Notes
05	NAVAID 40ft from DER, 115ft left of centerline, 4ft AGL/936ft MSL. Terrain 233ft from DER, 503ft left of centerline, 941ft MSL. Fence 623ft from DER, 589ft left of centerline, 8ft AGL/951ft MSL. Vehicle on road 934ft from DER, 669ft left of centerline, 959ft MSL. Tree and pole beginning 986ft from DER, 400ft left of centerline, up to 1020ft MSL. Pole 2280ft from DER, 364ft right of centerline, 71ft AGL/1001ft MSL. Tree and pole beginning 2312ft from DER, 377ft right of centerline, up to 1004ft MSL. Trees beginning 2341ft from DER, 566ft right of centerline, up to 1015ft MSL. Tree 2432ft from DER, 881ft right of centerline, 1018ft MSL. Trees beginning 2453ft from DER, 566ft right of centerline, up to 1020ft MSL. Trees beginning 2609ft from DER, 614ft right of centerline, up to 1026ft MSL. Trees beginning 3175ft from DER, 218ft right of centerline, up to 1048ft MSL. Tree 3567ft from DER, 1042ft left of centerline, 1035ft MSL. Trees beginning 3572ft from DER, 37ft left of centerline, up to 1038ft MSL.
13	Tree 1427ft from DER, 830ft left of centerline, 1002ft MSL. Tree 1830ft from DER, 918ft right of centerline, 1017ft MSL. Tree 2970ft from DER, 1142ft left of centerline, 1033ft MSL.
23	Vehicle on road beginning 199ft from DER, 30ft right of centerline, up to 930ft MSL.
31	Tree 2508ft from DER, 907ft right of centerline, 977ft MSL.

DSM-KDSM

7-10

ILS or LOC 05



1) FD or AP or HGS to DA required, else use 2400ft or 0.5SM

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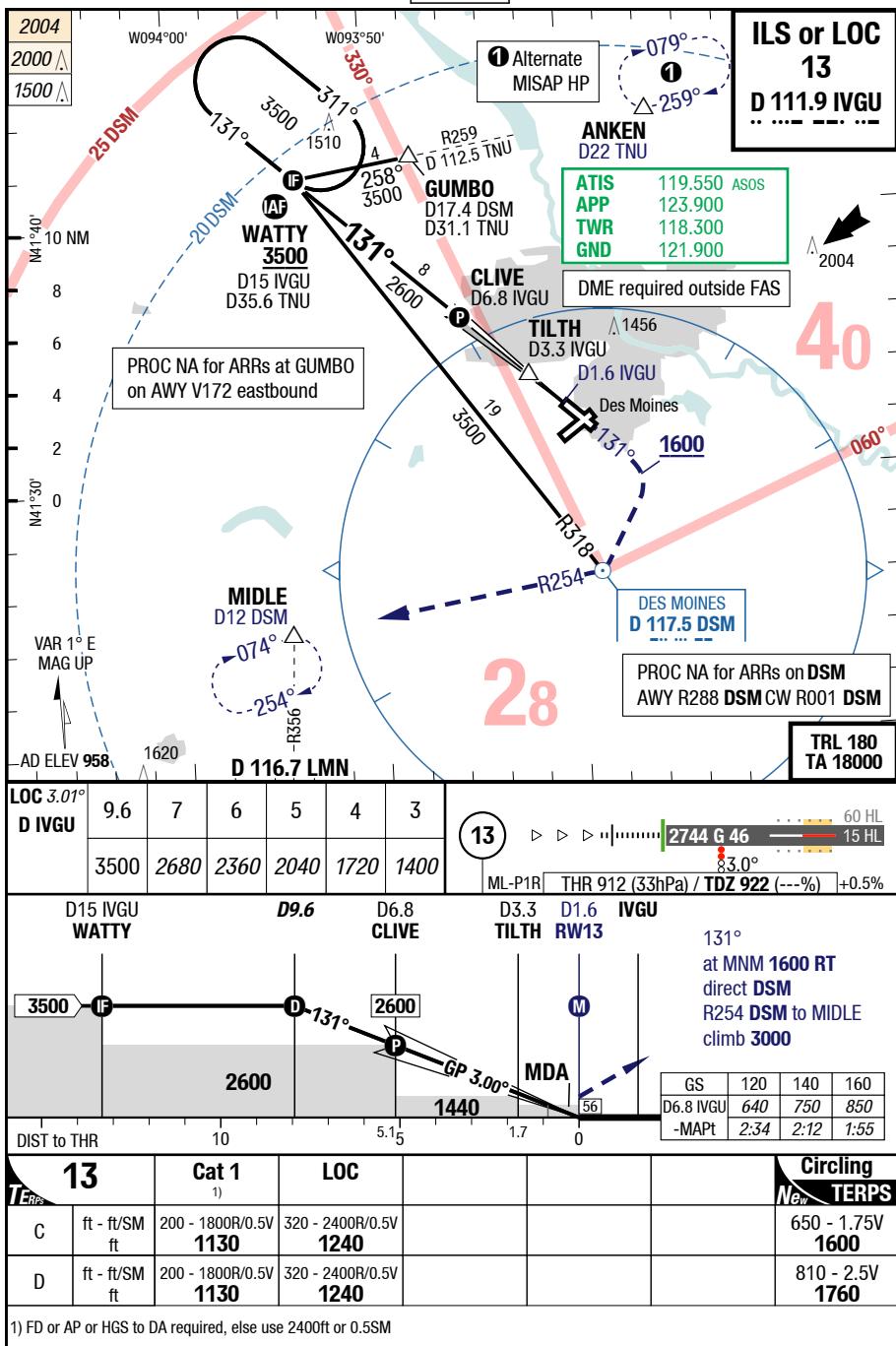
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IAC

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7-20

ILS or LOC 13



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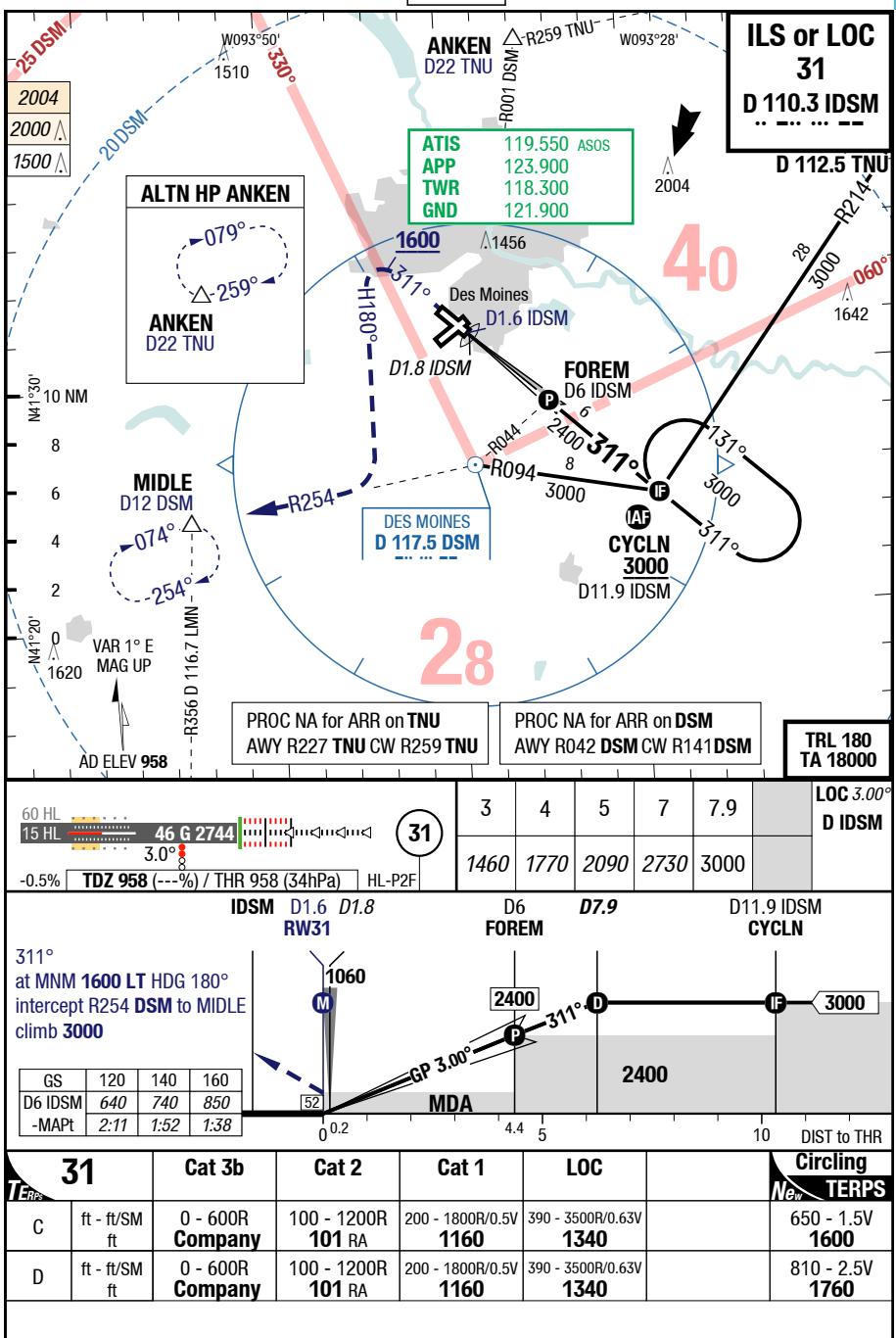
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WAC

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7-30

ILS or LOC 31



Changes: MIN, FAT, Track, ALT, DIST, VAR, Note, AMDT No

AMDT 24

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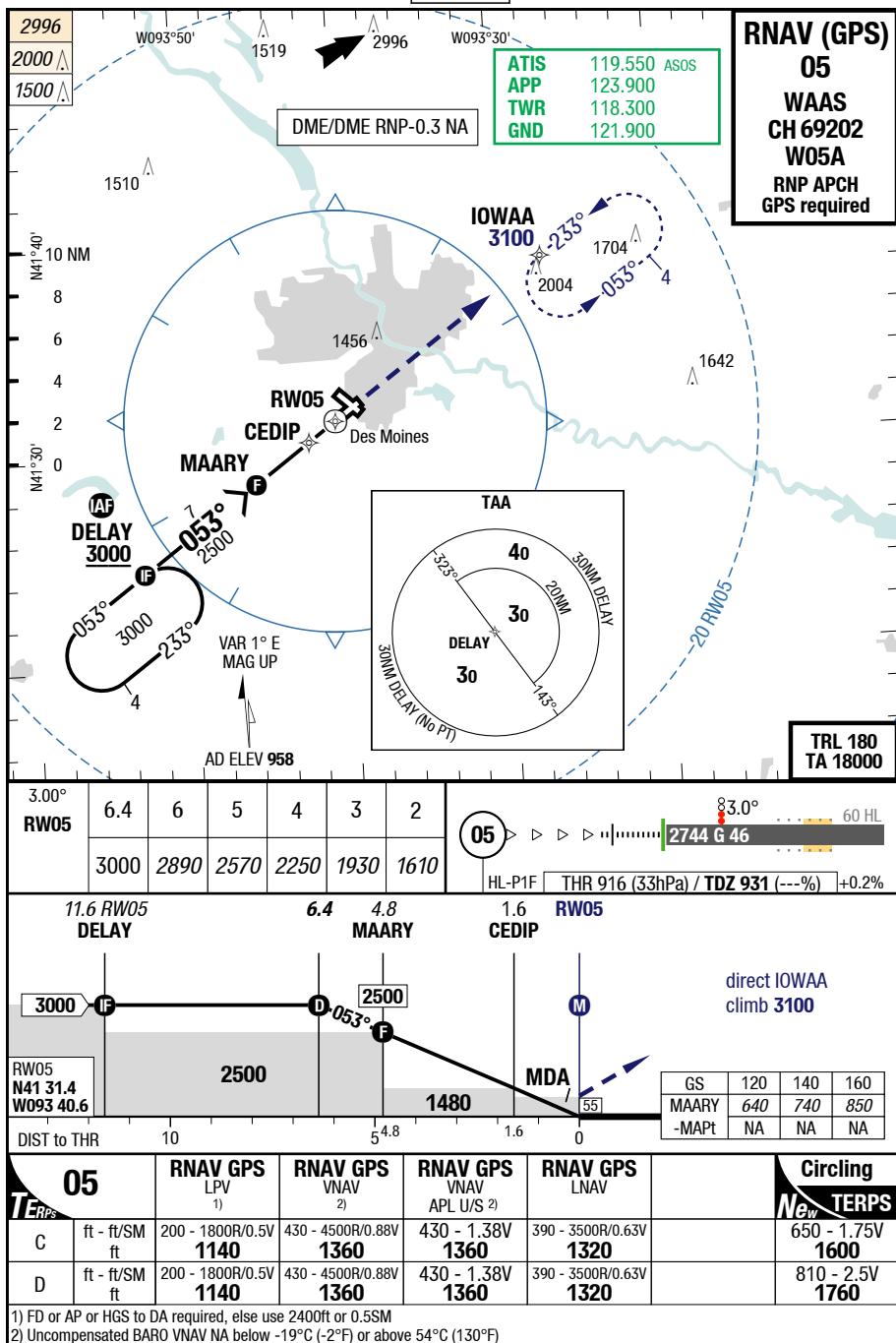
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RNAV (GPS) 05



1) FD or AP or HGS to DA required, else use 2400ft or 0.5SM

2) Uncompensated BARO VNAV NA below -19°C (-2°F) or above 54°C (130°F)

Changes: MIN, DIST ALT table, FAT, Track, MSA, AMDT No

AMDT 2

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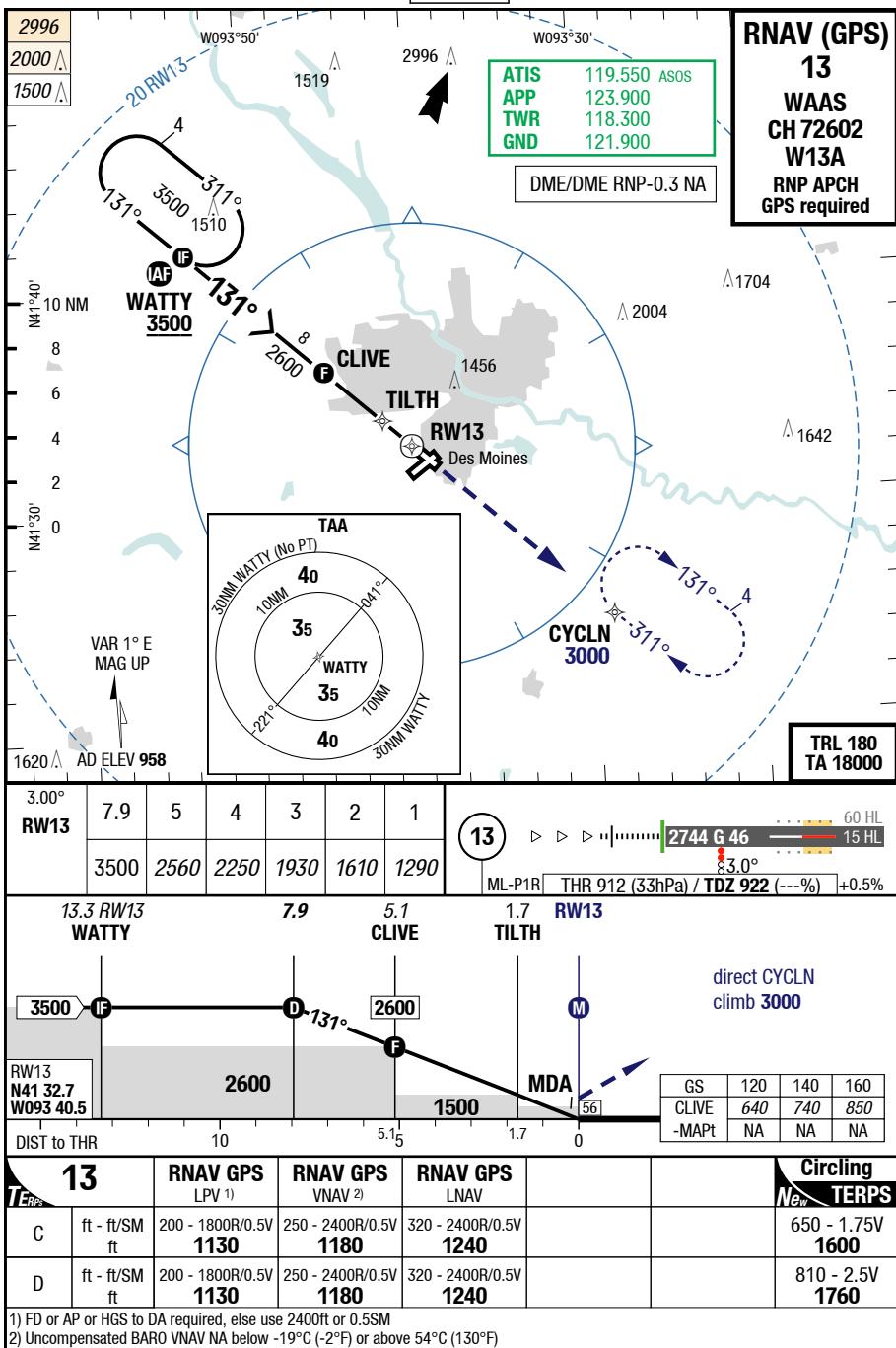
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DSM-KDSM

7-60

RNAV (GPS) 13



2) uncompensated BARO VNAV NA below -19 °C (-2 T) or above +55 °C (+12 T)

2) Uncompensated BARO VNAV NA below -19 °C (-2 F) or above 54 °C (130 F)

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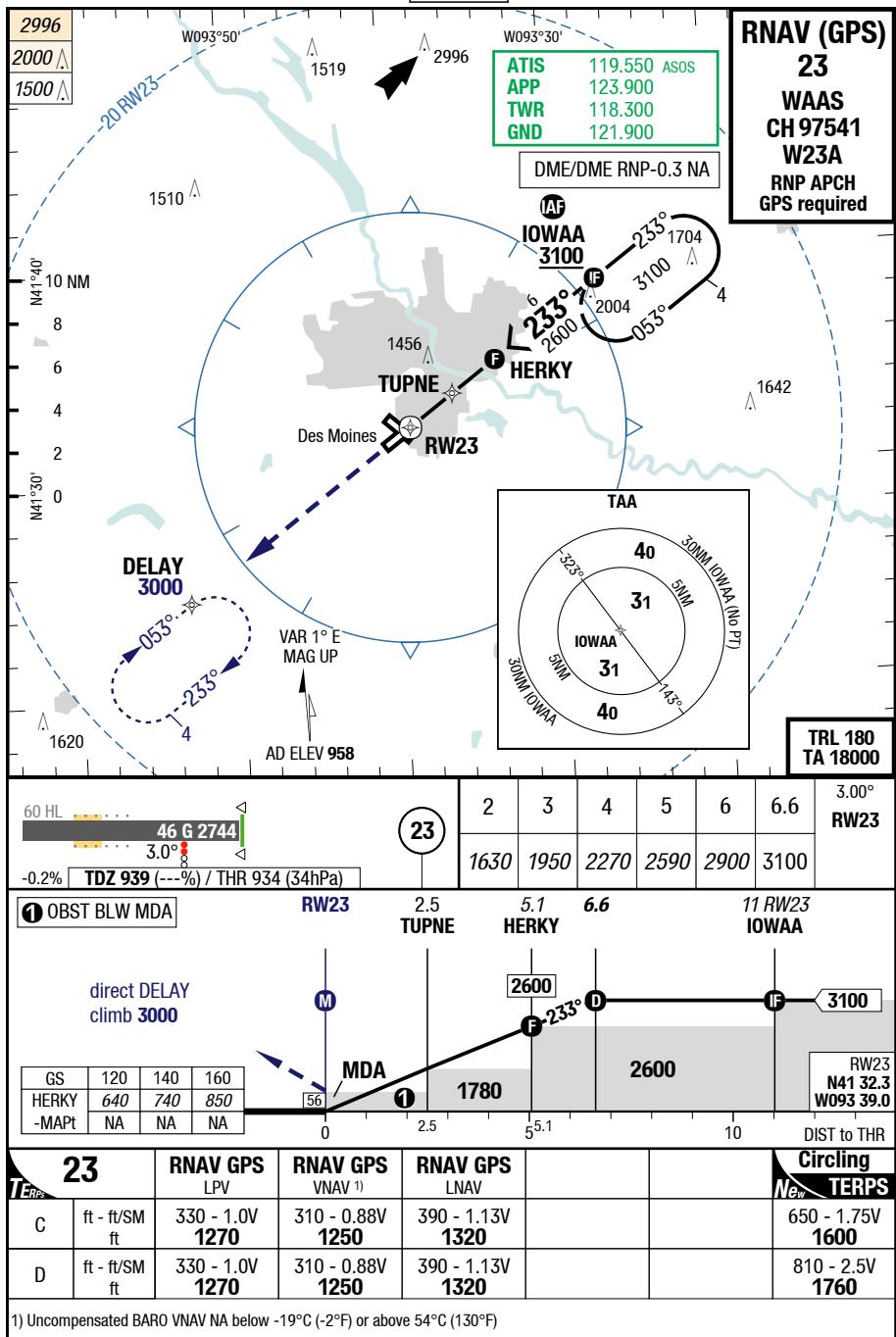
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DSM-KDSM

7-70

RNAV (GPS) 23



1) Uncompensated BARO VNAV NA below -19°C (-2°F) or above 54°C (130°F)

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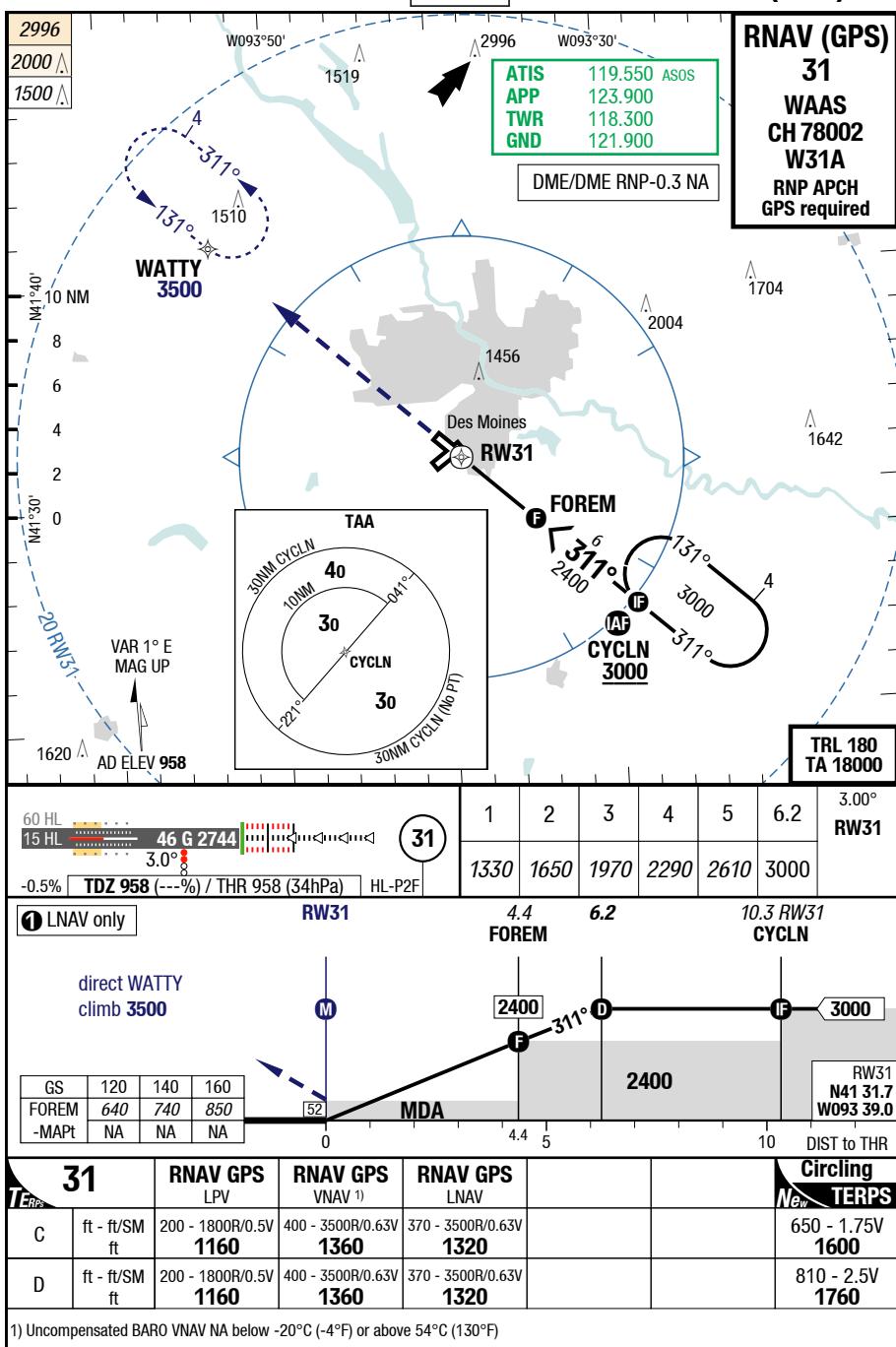
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IAC

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7-80

RNAV (GPS) 31



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7-90

VOR DME 23

