

GENERAL**Operational Hours****ATS Hours:** TWR 1300-0500‡**AD OPS Hours:** Attended 1200-0800‡**Airport Information****RFF:** FAA Index B / CAT 6**Fuel:** Jet A**PCN:** RWY 09/27: 50/F/G/X/U**Operation****Traffic Notes**

RWY and APCH lights are turned off when TWR CLSD, thereafter activation by CTAF.

RWY Restriction

RWY 17/35 and 05/23 (EXC between TWY F and RWY 09/27) not AVBL for ACFT with more than 30 PAX seats.

TWY Restriction

TWY A, B and C (between TWY A and RWY 35) not AVBL for ACFT with more than 30 PAX seats.

Warnings**HLN VOR/DME** unusable:**VOR**

105°-165° beyond 25NM below 17000ft.

165°-185° beyond 25NM below 13500ft.

185°-230° beyond 25NM below 17500ft.

203°-213° beyond 22NM below 13000ft.

230°-270° beyond 25NM below 12500ft.

DME unusable:

105°-150° beyond 25NM.

105°-210° beyond 15NM below 11100ft.

105°-210° beyond 20NM below 12000ft.

150°-165° beyond 25NM below 17000ft.

165°-185° beyond 25NM below 13500ft.

185°-210° beyond 25NM.

203°-213° beyond 22NM below 13000ft.

210°-250° beyond 15NM below 12000ft.

210°-250° beyond 25NM below 17500ft.

250°-300° beyond 25NM below 14000ft.

320°-035° beyond 25NM below 13000ft.

ILS RWY 27 LOC BC unusable:

beyond 22°right of course

within 2.7NM

ARRIVAL**Speed**

MAX IAS 250KT below 10000ft.

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

ARRIVAL

Arrival Procedure

VFR Traffic Pattern: RWY 27, 23, 35 right-hand circuit.

DEPARTURE

Take-off Minima

RWY		09	
	ft- ft/SM	SID HELENA	
1+2 ENG		0 - 1.0V	MNM climb gradient 4.0% up to 8100
3+4 ENG		0 - 0.5V	
		SID SIEBE	
1+2 ENG		0 - 1.0V	MNM climb gradient 4.5% up to 9000
3+4 ENG		0 - 0.5V	
		SID STAKK	
1+2 ENG		0 - 1.0V	MNM climb gradient 6.9% up to 10200
3+4 ENG		0 - 0.5V	
		All other departures (DIVIDE)	
1+2 ENG		0 - 1.0V	MNM climb gradient 4.0% up to 8100
3+4 ENG		0 - 0.5V	
All ACFT		c2200 - 3.0V	Climb in visual conditions

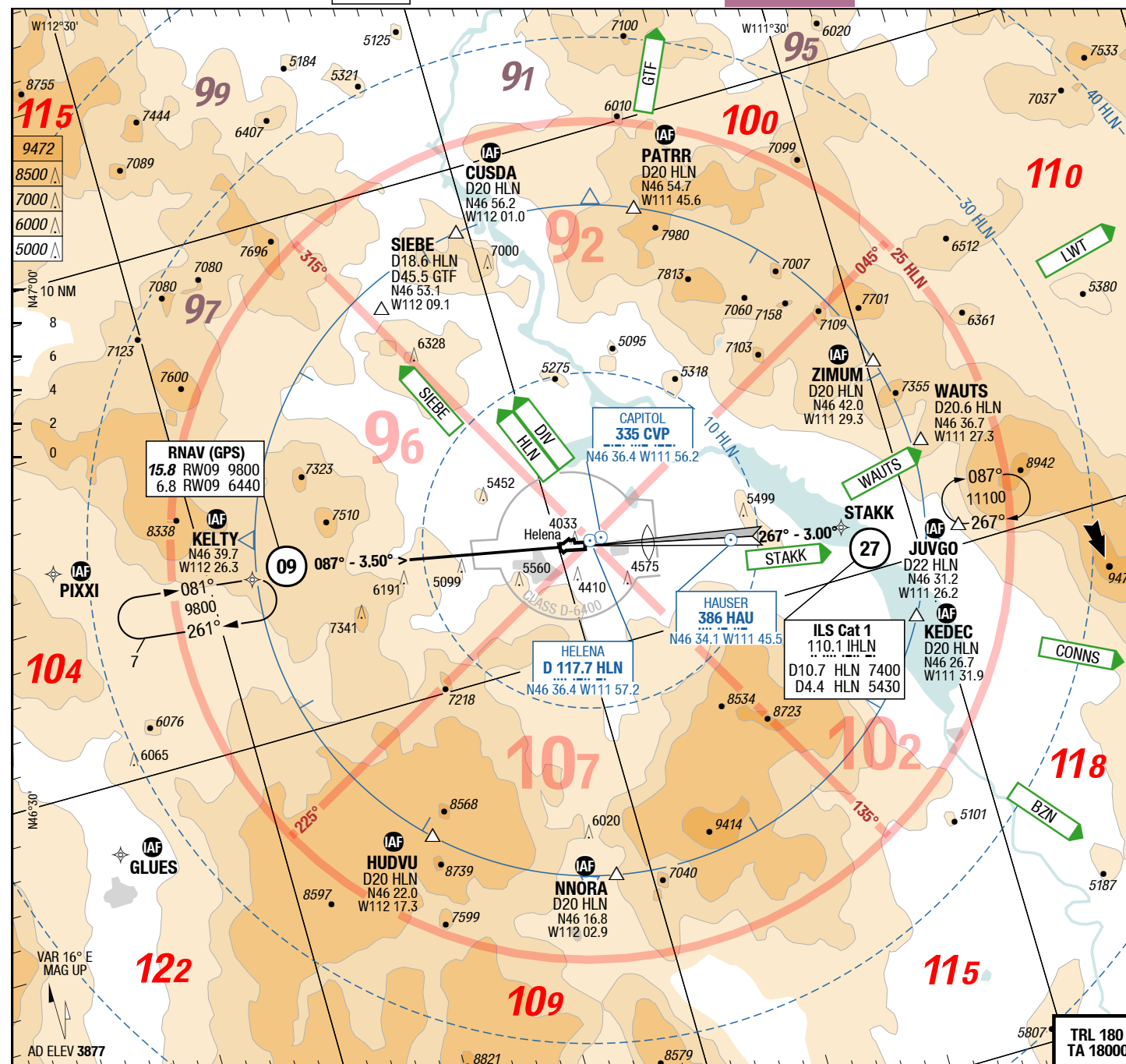
RWY		27	
	ft- ft/SM	SID STAKK	
1+2 ENG		0 - 1.0V	MNM climb gradient 5.6% up to 10200
3+4 ENG		0 - 0.5V	
		SID SIEBE	
1+2 ENG		0 - 1.0V	MNM climb gradient 6.5% up to 7200
3+4 ENG		0 - 0.5V	
		SID HELENA	
1+2 ENG		0 - 1.0V	MNM climb gradient 6.5% up to 8100
3+4 ENG		0 - 0.5V	
		All other departures (DIVIDE)	
1+2 ENG		0 - 1.0V	MNM climb gradient 6.5% up to 8100
3+4 ENG		0 - 0.5V	
All ACFT	c2200 - 3.0V	Climb in visual conditions	

Speed

MAX IAS 250KT below 10000ft.

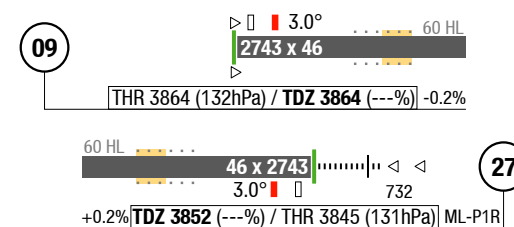
Communication

COM Failure: See CRAR United States.

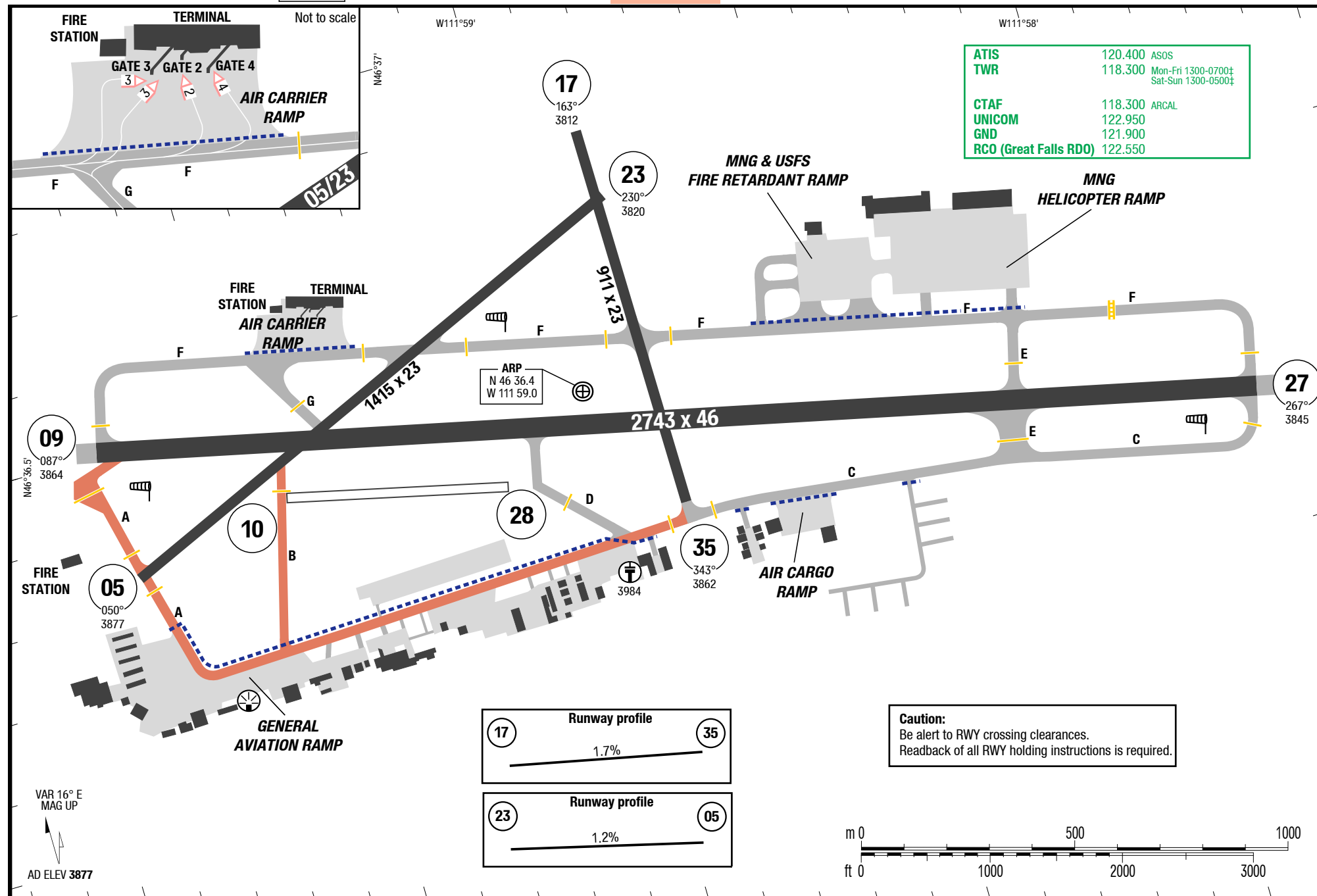


ATIS	120.400	ASOS
Salt Lake Center	133.400	Mon-Fri 0700-1300± Sat-Sun 0500-1300±
APP	119.500	Mon-Fri 1300-0700± Sat-Sun 1300-0500±
DEP	119.500	Mon-Fri 1300-0700± Sat-Sun 1300-0500±
TWR	118.300	Mon-Fri 1300-0700± Sat-Sun 1300-0500±
CTAF	118.300	ARCAL
UNICOM	122.950	
GND	121.900	
RCO (Great Falls RDO)	122.550	

Landing RWY system:



3-20



Effective 21-JUL-2016

14-JUL-2016

HLN-KHLN

United States Helena Helena Rgnl

STAKK 4

4-10 HELENA 4 (HLN 4) / SIEBE 3

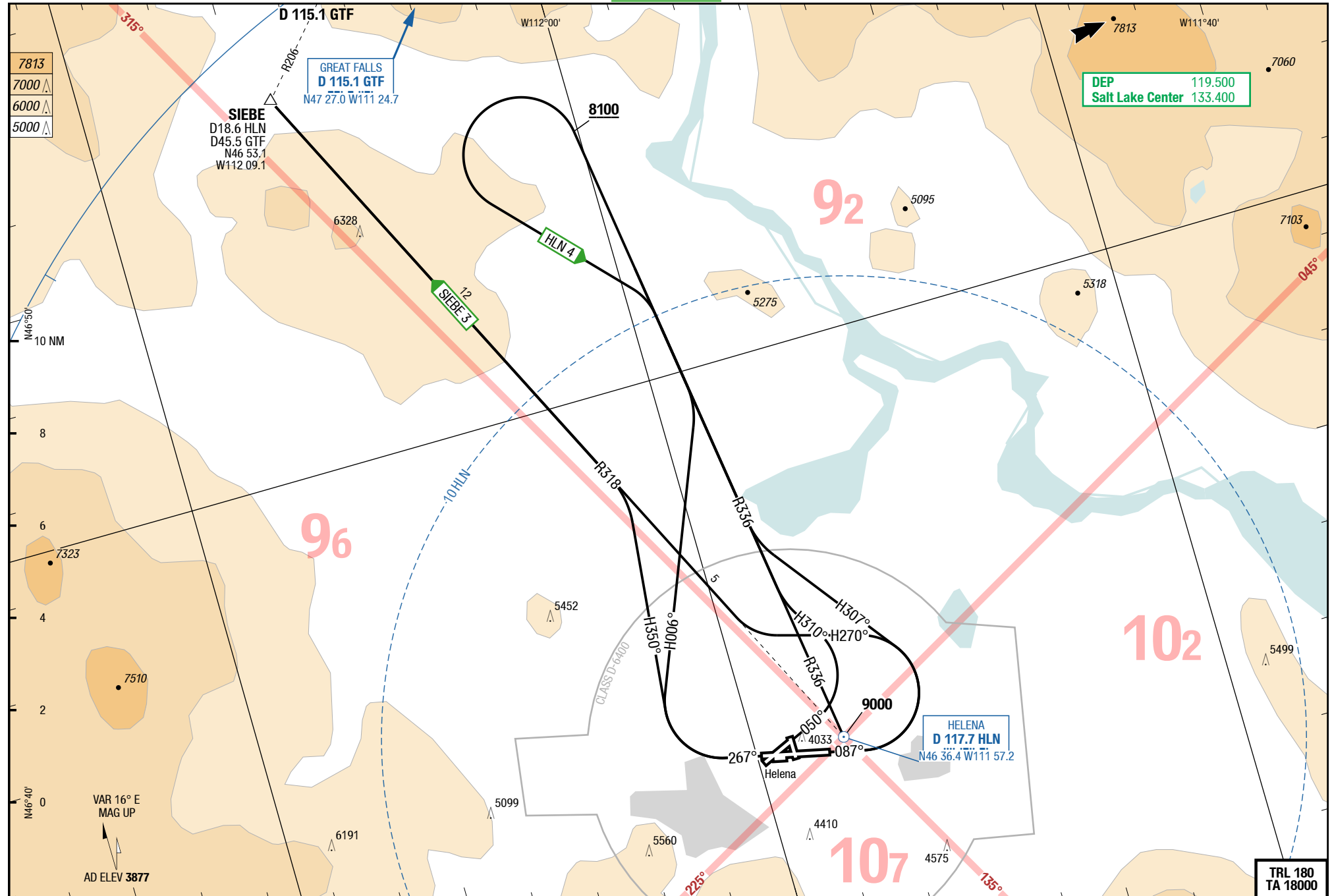
SID

SID

Helena Rgnl Helena United States

STAKK 4

HELENA 4 (HLN 4) / SIEBE 3



Changes: PROC renumbered

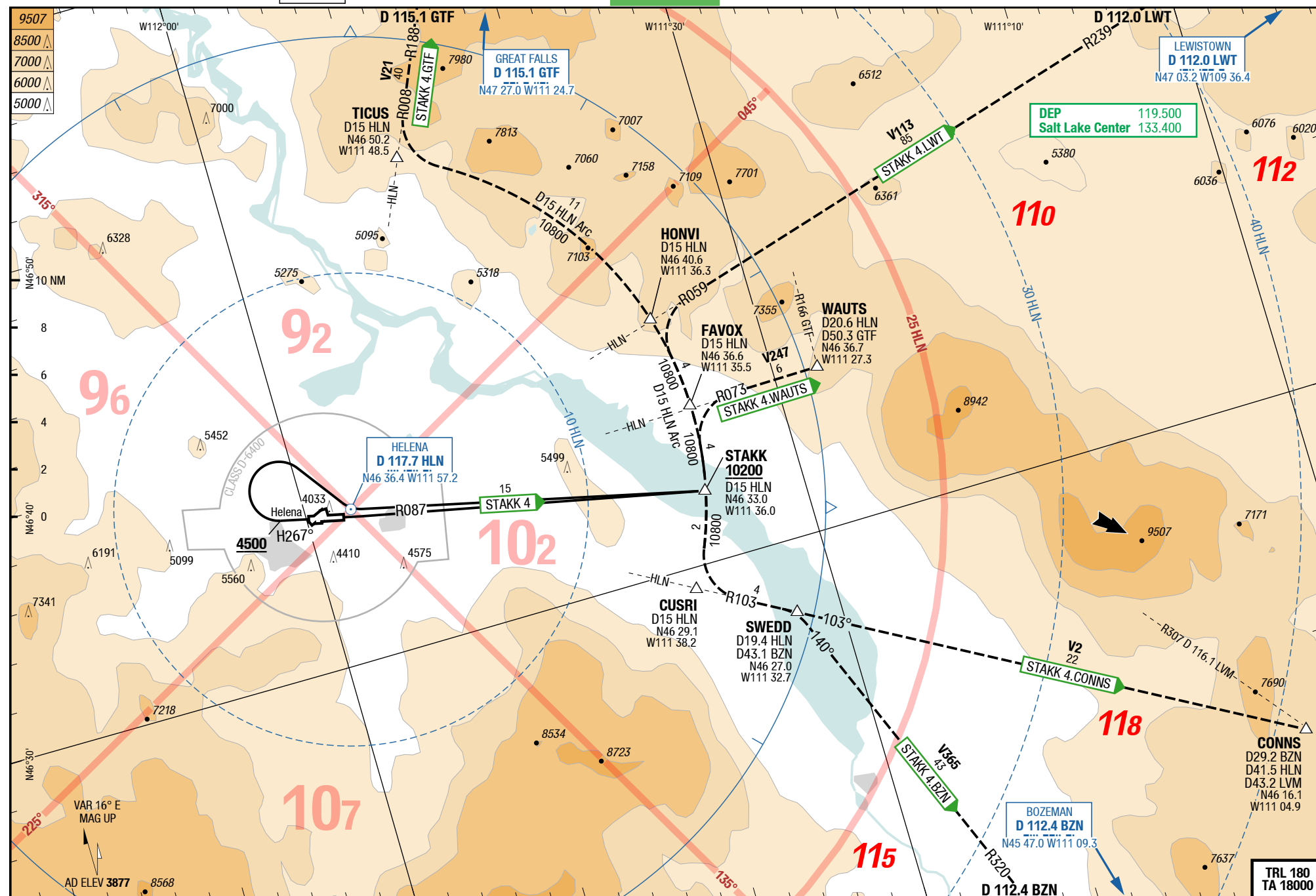
HLN-KHLN

STAKK 4

SID

SID

STAKK 4



Changes: PROC renumbered

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HLN-KHLN

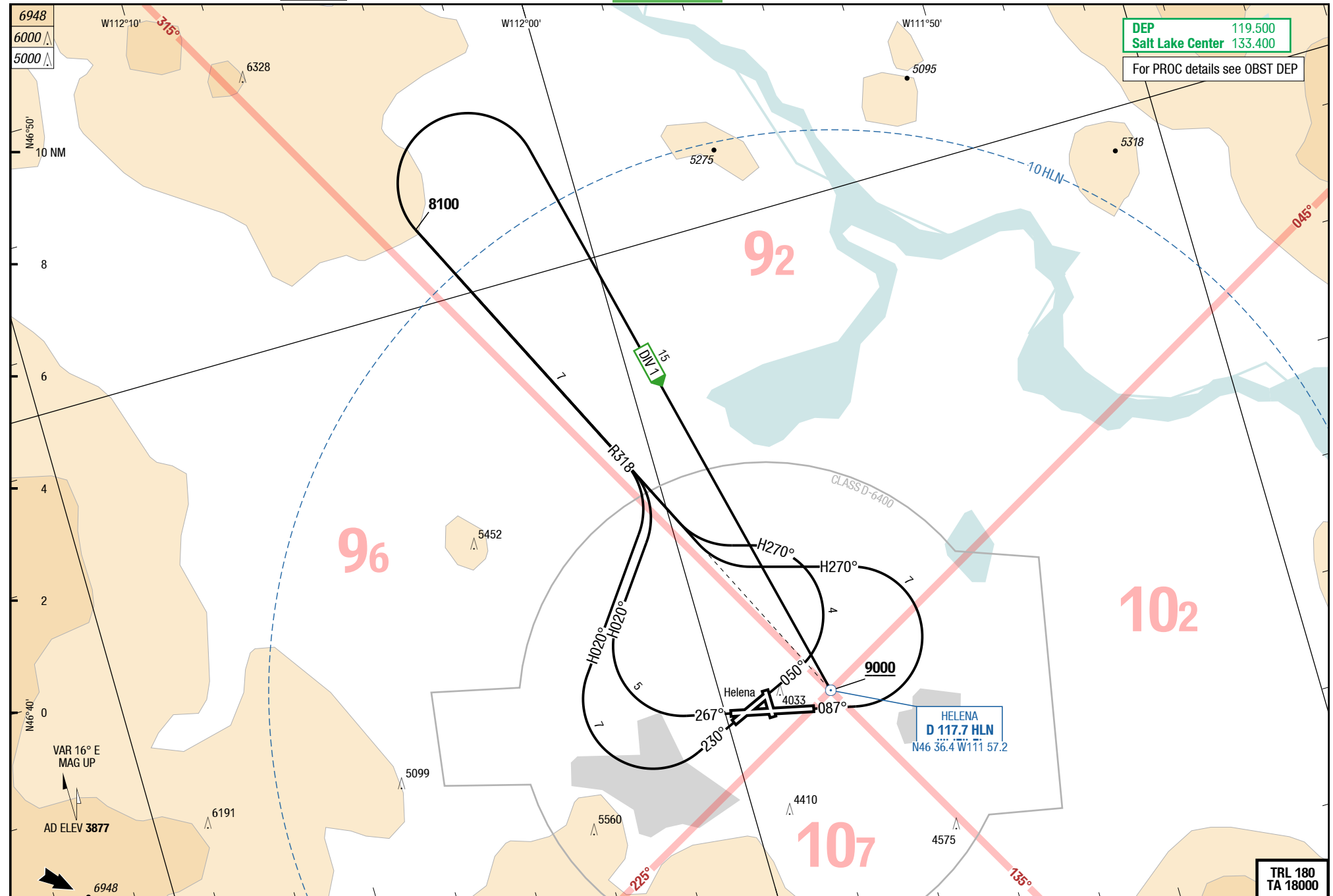
SID

SID

NIL

OBST DEP DIVIDE 1 (DIV 1)

4-30

OBST DEP DIVIDE 1 (DIV 1)

Changes: OBST

TRL 180
TA 18000

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HLN-KHLN

5-10

HELENA 4 (HLN 4) / SIEBE 3**HELENA 4 / SIEBE 3**

RWYs 05 (050°) / 09 (087°) / 27 (267°)

DESIGNATOR	ROUTING	ALTITUDES
HELENA 4 HLN 4 119.500		HLN at 9000
RWY 05	LT HDG 310° - intercept R336 HLN - at MNM 8100 LT intercept R336 HLN to HLN	
RWY 09	LT HDG 307° - intercept R336 HLN - at MNM 8100 LT intercept R336 HLN to HLN	
RWY 27	RT HDG 006° - intercept R336 HLN - at MNM 8100 LT intercept R336 HLN to HLN	
SIEBE 3 119.500		
RWY 09	LT HDG 270° - intercept R318 HLN to SIEBE	
RWY 27	RT HDG 350° - intercept R318 HLN to SIEBE	

HLN-KHLN

5-20

STAKK 4**STAKK 4**

RWYs 09 (087°) / 27 (267°)

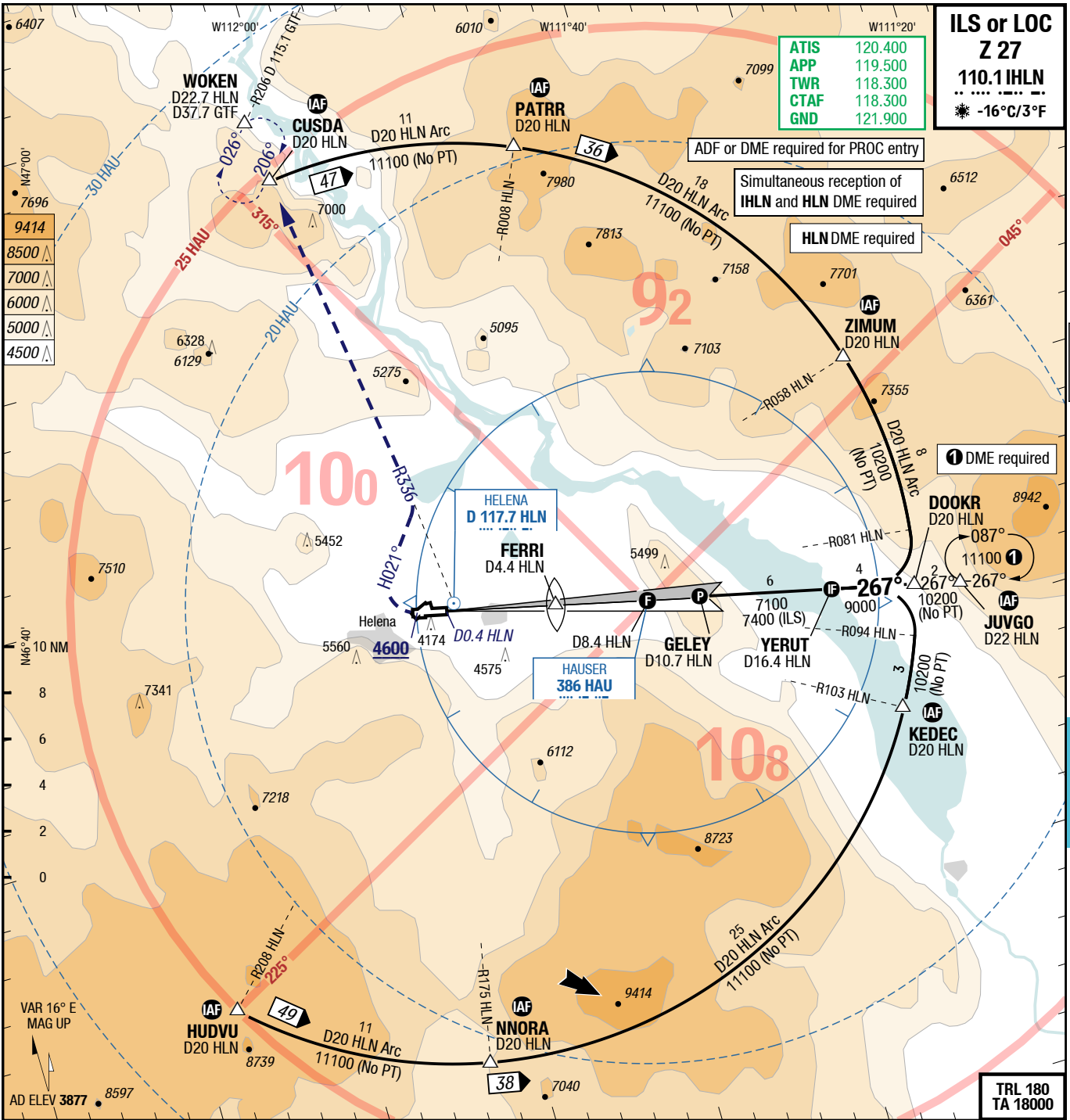
DESIGNATOR	ROUTING	ALTITUDES
STAKK 4 119.500		STAKK MNM 10200
RWY 09	LT intercept R087 HLN to STAKK	
RWY 27	HDG 267° - at MNM 4500 RT direct HLN - R087 HLN to STAKK	
	TRANSITION	
	BOZEMAN (BZN) at STAKK RT follow D15 HLN arc to CUSRI - LT intercept R103 HLN to SWEDD - RT 140°/R320 BZN to BZN	
	CONNS at STAKK RT follow D15 HLN arc to CUSRI - LT intercept R103 HLN to SWEDD - CONNS	
	GREAT FALLS (GTF) at STAKK LT follow D15 HLN arc to FAVOX - HONVI - TICUS - RT intercept R008 HLN /R188 GTF to GTF	
	LEWISTOWN (LWT) at STAKK LT follow D15 HLN arc to FAVOX - HONVI - RT intercept R059 HLN /R239 LWT to LWT	
	WAUTS at STAKK LT follow D15 HLN arc to FAVOX - RT intercept R073 HLN to WAUTS	

Obstacle Departure

	GS	120	150	180	210	240	270
4.0%	ft/MIN	500	700	800	900	1000	1100
4.2%	ft/MIN	600	700	800	900	1100	1200
6.5%	ft/MIN	800	1000	1200	1400	1600	1800
7.4%	ft/MIN	900	1200	1400	1600	1800	2100

RWY	Routing
05	<p>Obstacle Departure: LT HDG 270° - climb northwest bound on R318 HLN - at 8100 RT direct HLN - HLN MNM 9000 BPOC</p> <p>Visual Climb Over Airport (VCOA): Climb in Visual Conditions (MNM ceiling 2200ft, MNM Visibility 3SM) - cross airport northbound at MNM 5900 - intercept R336 HLN to WOKEN BPOC. MNM 4.2% to 8100 (250ft/NM)</p>
09	<p>Obstacle Departure: LT HDG 270° - climb northwest bound on R318 HLN - at 8100 RT direct HLN - HLN MNM 9000 BPOC</p> <p>Visual Climb Over Airport (VCOA): Climb in Visual Conditions (MNM ceiling 2200ft, MNM Visibility 3SM) - cross airport northbound at MNM 5900 - intercept R336 HLN to WOKEN BPOC. MNM 4% to 8100 (240ft/NM)</p>
23	<p>Obstacle Departure: RT HDG 020° - climb northwest bound on R318 HLN - at 8100 RT direct HLN - HLN MNM 9000 BPOC</p> <p>Visual Climb Over Airport (VCOA): Climb in Visual Conditions (MNM ceiling 2200ft, MNM Visibility 3SM) - cross airport northbound at MNM 5900 - intercept R336 HLN to WOKEN BPOC. MNM 7.4% to 8100 (450ft/NM)</p>
27	<p>Obstacle Departure: RT HDG 020° - climb northwest bound on R318 HLN - at 8100 RT direct HLN - HLN MNM 9000 BPOC</p> <p>Visual Climb Over Airport (VCOA): Climb in Visual Conditions (MNM ceiling 2200ft, MNM Visibility 3SM) - cross airport northbound at MNM 5900 - intercept R336 HLN to WOKEN BPOC. MNM 6.5% to 8100 (390ft/NM)</p>

Obstacle Departure	
RWY	Notes
05	Trees beginning 991ft from DER, 630ft right of centerline, up to 100ft AGL/3939ft MSL. Rising terrain beginning 5ft from DER, 495ft right of centerline, up to 3826ft MSL. Fence beginning 423ft from DER, 332ft right of centerline, up to 12ft AGL/3832ft MSL.
09	Trees beginning 1391ft from DER, 50ft left of centerline, up to 100ft AGL/3979ft MSL. Trees beginning 2928ft from DER, 878ft right of centerline, up to 100ft AGL/3979ft MSL.
23	Tower 4488ft from DER, 357ft left of centerline, 131ft AGL/4054ft MSL. Poles beginning 1329ft from DER, 3ft left of centerline, up to 55ft AGL/3996ft MSL. Trees beginning 1011ft from DER, 37ft left of centerline, up to 100ft AGL/4059ft MSL. Rod on building 953ft from DER, 321ft left of centerline, 44ft AGL/3943ft MSL. Road (I) 2374ft from DER, 771ft left of centerline, up to 17ft AGL/3972ft MSL. OI on hangar 457ft from DER, 219ft left of centerline, 43ft AGL/3905ft MSL. Trees beginning 1519ft from DER, 142ft right of centerline, up to 52ft AGL/4011ft MSL. Poles beginning 1379ft from DER, 57ft right of centerline, up to 46ft AGL/3965ft MSL. Antenna on building 316ft from DER, 352ft right of centerline, 34ft AGL/3913ft MSL. Building 584ft from DER, 470ft right of centerline, up to 49ft AGL/3948ft MSL.
27	Trees beginning 1079ft from DER, 616ft left of centerline, up to 100ft AGL/3999ft MSL. Building 1593ft from DER, 731ft left of centerline, 18ft AGL/3917ft MSL. Rising terrain beginning 101ft from DER, 347ft left of centerline, up to 3871ft MSL. Trees beginning 333ft from DER, 507ft right of centerline, up to 100ft AGL/3959ft MSL.



05-JAN-2017
HLN-KHLN

United States Helena Helena Rgnl
7-10
ILS or LOC Z 27

IAC
IAC

Helena Rgnl Helena United States
ILS or LOC Y 27
ILS or LOC Z 27

60 HL 46 x 2743 3.0° +0.2% TDZ 3852 (---%) / THR 3845 (131hPa) ML-P1R		27		2	4	5	7	8	9.2	LOC 3.46° D HLN
				4740	5480	5850	6590	6960	7400	
267° at MNM 4600 RT HDG 021° intercept R336 HLN to WOKEN climb 9000		D0.4 HLN RW27 M		D4.4 FERRI LOC 5640 5430		D8.4 HAU D9.2		D10.7 HLN GELEY P		7400
GS 120 140 160 OM 730 860 980 -MAPt 2:22 2:02 1:46		GP 3.00° MDA 5620		5620		7100		7400 (ILS) 7100		
		0		4.75		10		DIST TO THR		
27		Cat 1	LOC	LOC	LOC wo FERRI		Circling			
		GA 5.0% 1)	GA 5.0% 1)	GA 5.0% APL U/S	GA 5.0% 1) 2)		New TERPS			
C	ft - ft/SM ft	200 - 0.5V 4060	670 - 1.5V 4520	670 - 2.0V 4520 1)	1770 - 3.0V 5620		2050 - 3.0V 5920			
D	ft - ft/SM ft	200 - 0.5V 4060	670 - 1.5V 4520	670 - 2.0V 4520 1)	1770 - 3.0V 5620		2050 - 3.0V 5920 3)			
1) Up to 6000ft. If unable see ILS or LOC Y RWY 27										
2) INOP table does not apply										
3) N of RWY 09/27 only										

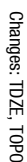
HLN-KHLN

7-20

IAC

IAC

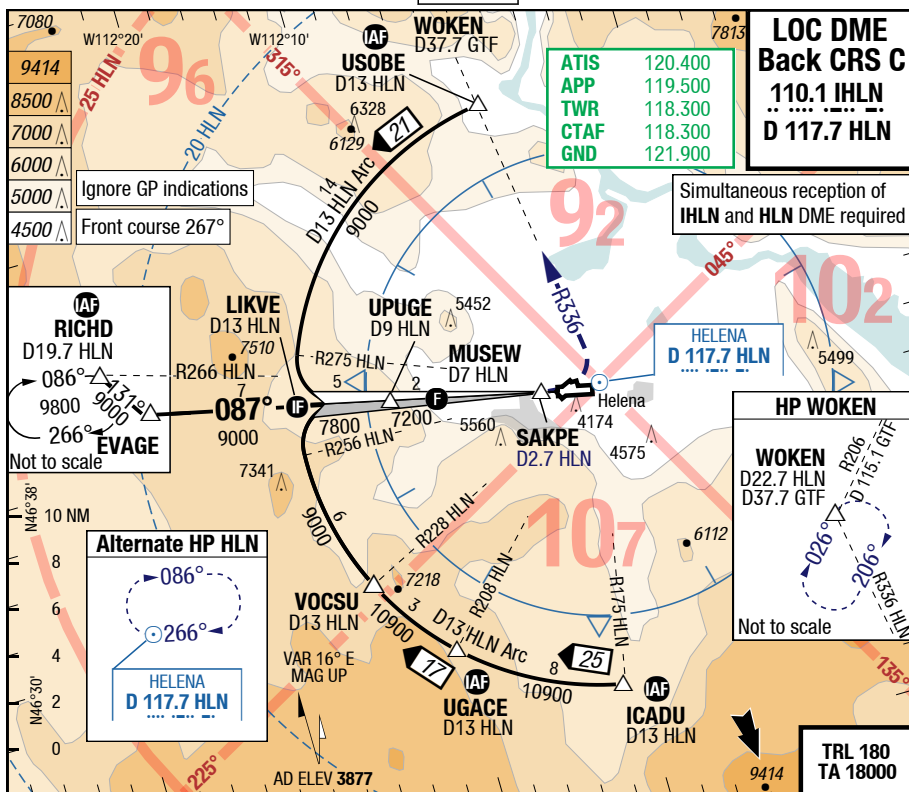
ILS or LOG Y 27

AMDIT 3E

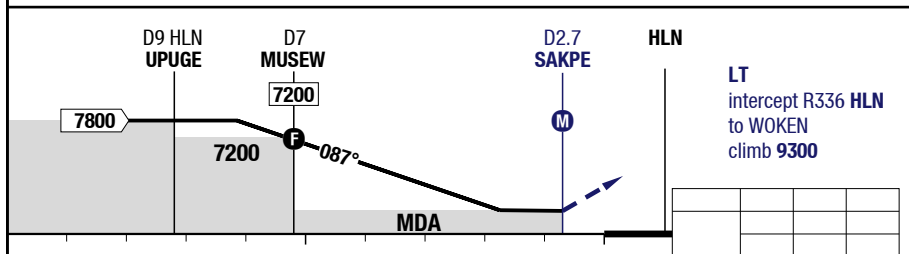
HLN-KHLN

7-30

LOC DME Back CRS C



See AFC for RWY information
and approach light system.



All RWYs							Circling ^{1) 2) 3)} TERPS
C	ft - ft/SM ft						1270 - 3.0V 5140
D	ft - ft/SM ft						Not authorized

1) when VGSI INOP to RWY 09 and RWY 23 HJ only
2) Use with Helena (KHLN) QNH only

3) To RWY 05 and RWY 35 HJ only

Changes: chart title, MIN, HLDG

AMDT 5

05-JAN-2017

HLN-KHLN

United States Helena Helena Rgnl

RNAV (RNP) Z 27

7-50

RNAV (RNP) Z 09

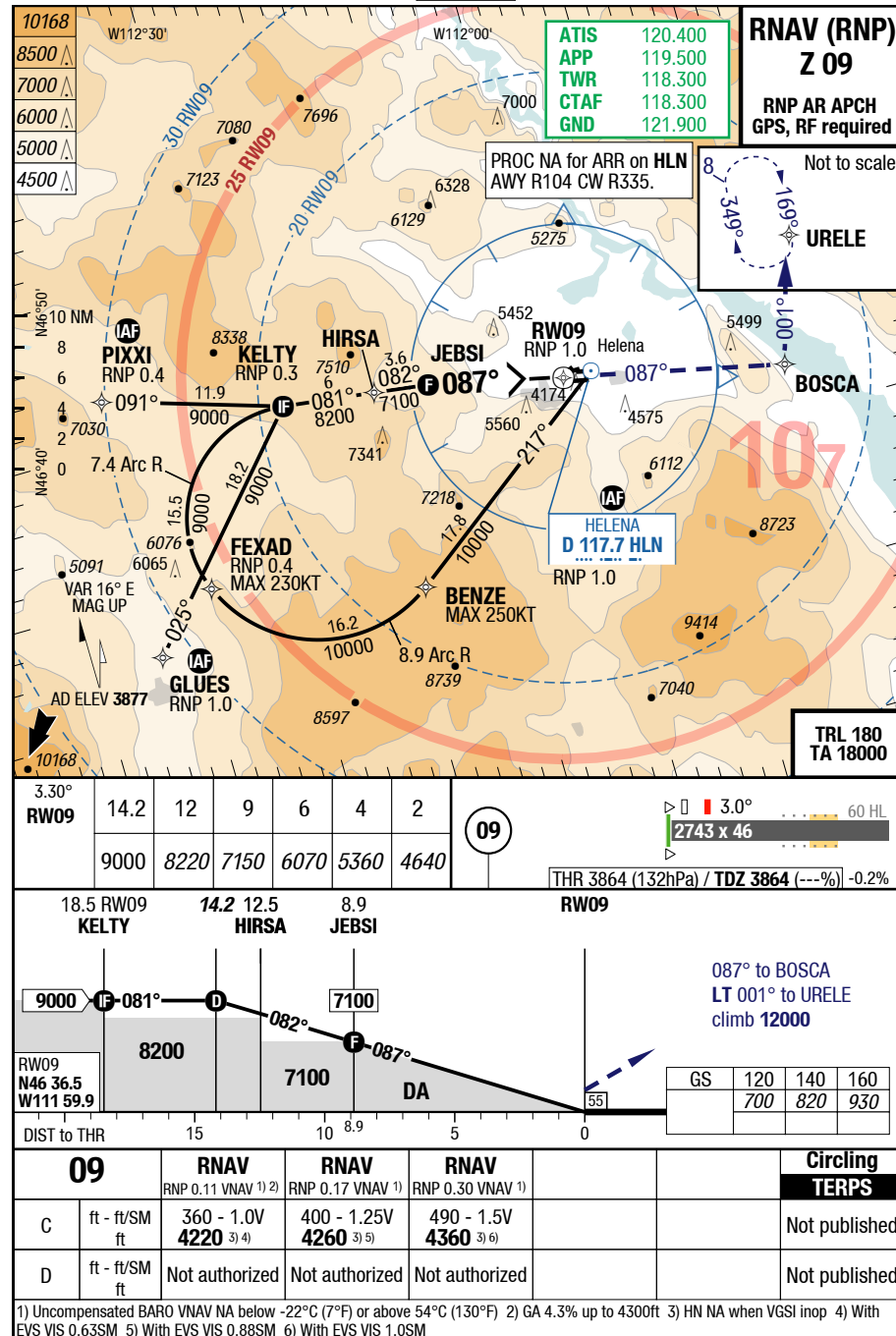
IAC

IAC

Helena Rgnl Helena United States

RNAV (RNP) Z 27

RNAV (RNP) Z 09



Changes: TDZE, OBST

05-JAN-2017
HLN-KHLN

United States Helena Helena Rgnl

IAC

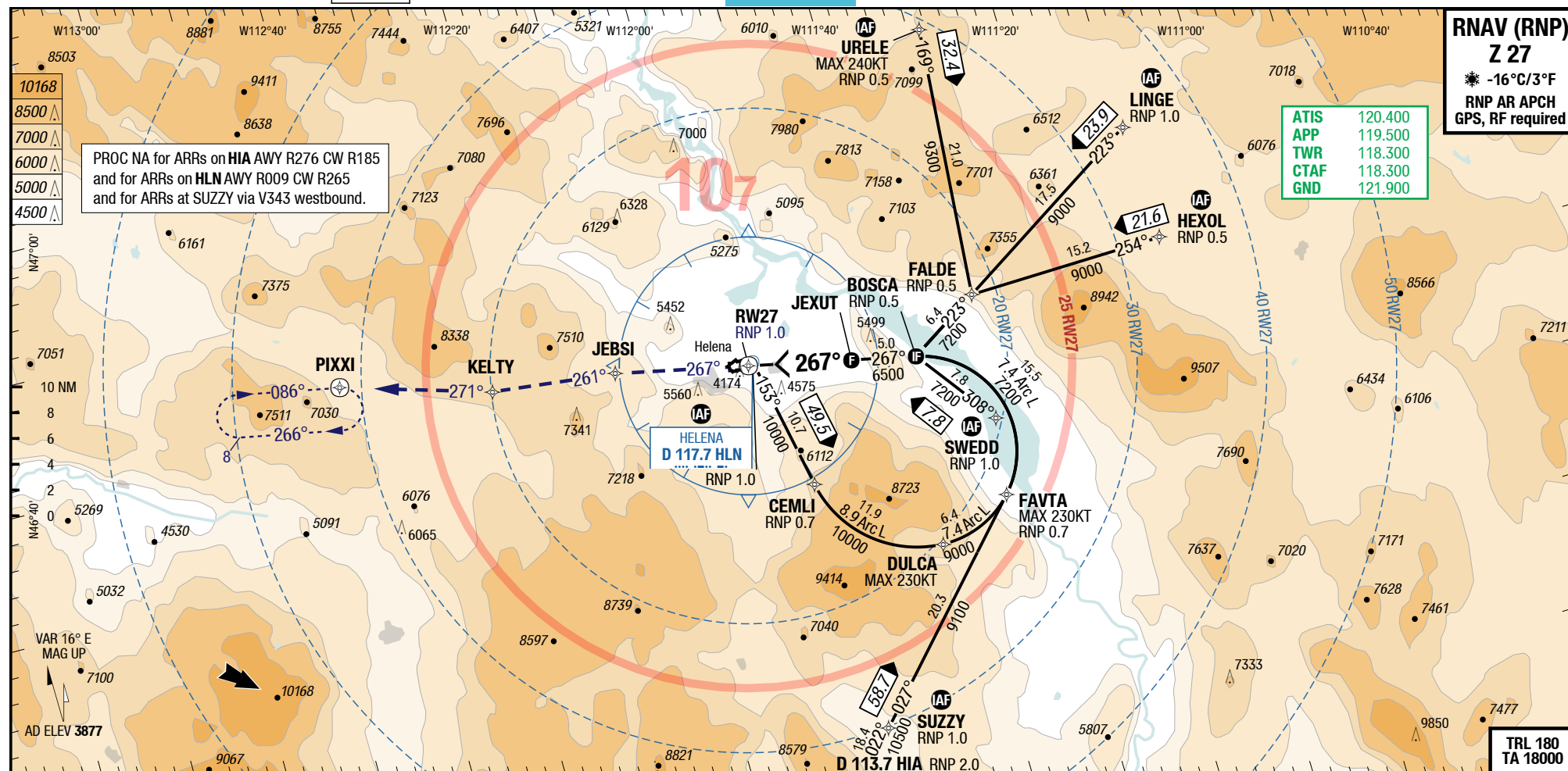
IAC

Helena Rgnl Helena United States

7-60

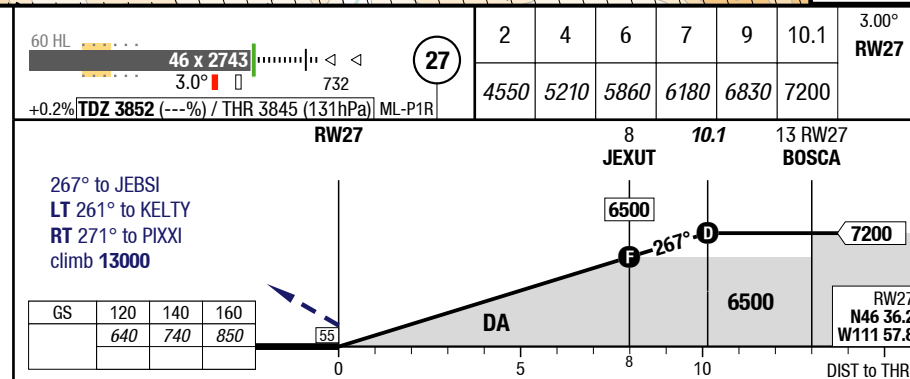
RNAV (RNP) Z 27

RNAV (RNP) Z 27



27	RNAV RNP 0.18 VNAV GA 4.9% 1) 2)	RNAV RNP 0.18 VNAV GA 4.9% APL U/S	RNAV RNP 0.22 VNAV GA 4.8% 1) 3) 4)	RNAV RNP 0.22 VNAV GA 4.8% APL U/S	RNAV RNP 0.30 VNAV GA 6.7% 1) 5) 6)	Circling TERPS
C	ft - ft/SM 270 - 0.5V 4120	270 - 1.0V 4120 1) 2) 5)	360 - 0.75V 4220	360 - 1.25V 4220 1) 4) 7)	440 - 1.0V 4290	Not published
D	ft - ft/SM 270 - 0.5V 4120	270 - 1.0V 4120 1) 2) 5)	360 - 0.75V 4220	360 - 1.25V 4220 1) 4) 7)	440 - 1.0V 4290	Not published

1) Uncompensated BARO VNAV NA below -22°C (-7°F) or above 41°C (105°F) 2) Up to 7900ft 3) With EVS VIS 0.5SM 4) Up to 7300ft
5) With EVS VIS 0.63SM 6) Up to 6300ft 7) With EVS VIS 0.88SM



Changes: TDZE, PROC, OBST, TOPO

Orig B

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NIL

IAC

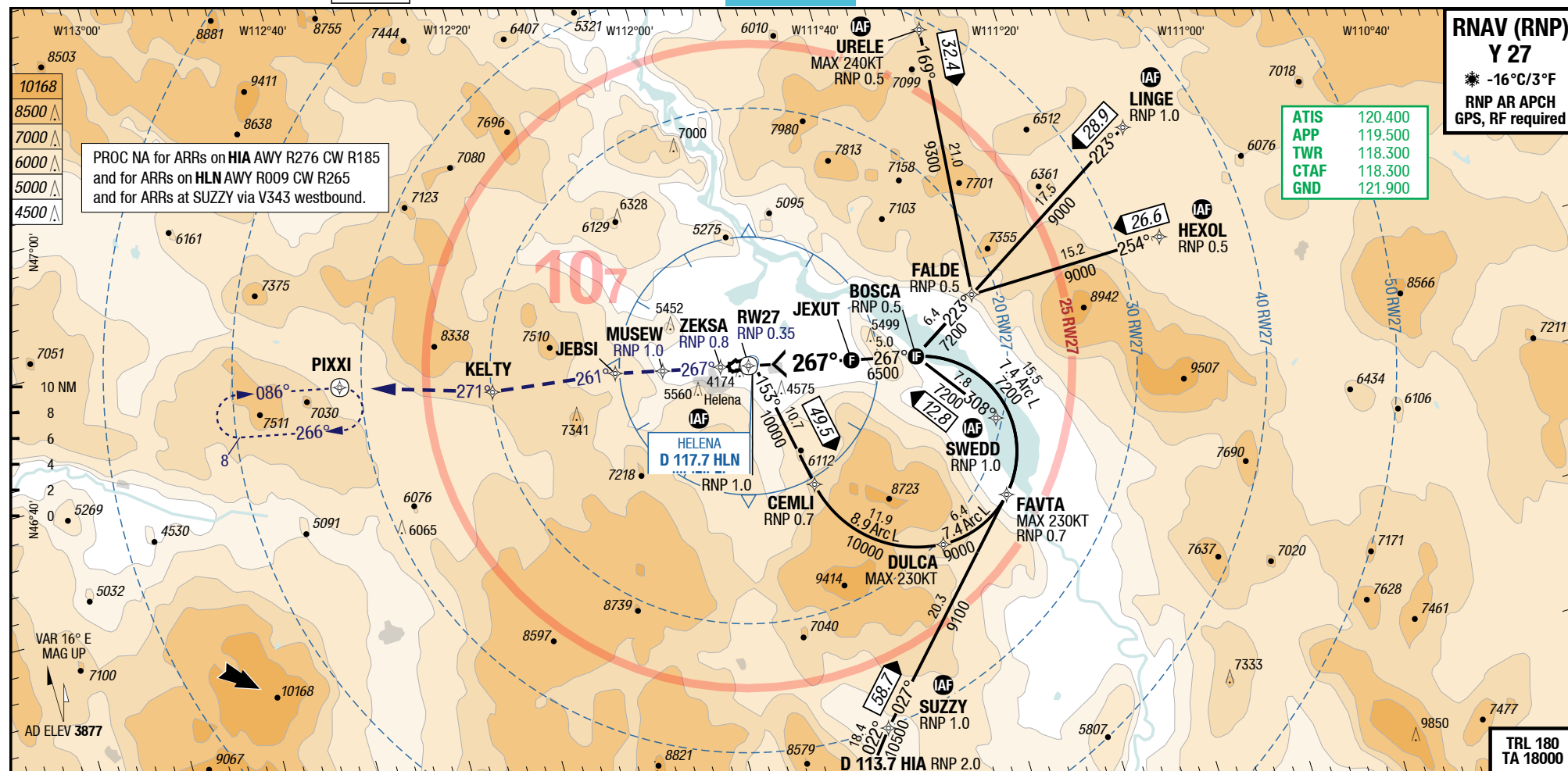
IAC

NIL

RNAV (RNP) Y 27

7-70

RNAV (RNP) Y 27



27		RNAV RNP 0.22 VNAV GA 4.8% 1) 2)	RNAV RNP 0.22 VNAV GA 4.8% APL U/S	RNAV RNP 0.30 VNAV GA 4.5% 1) 3) 4)	RNAV RNP 0.30 VNAV GA 4.5% APL U/S	Circling TERPS
C	ft - ft/SM ft	290 - 0.5V 4140	290 - 1.0V 4140 1) 2) 3)	450 - 1.0V 4300	450 - 1.5V 4300 1) 4) 5)	Not published
D	ft - ft/SM ft	290 - 0.5V 4140	290 - 1.0V 4140 1) 2) 3)	450 - 1.0V 4300 1) 4) 5)	450 - 1.5V 4300 1) 4) 5)	Not published

1) Uncompensated BARO VNAV NA below -22°C (-7°F) or above 41°C (105°F) 2) Up to 7700ft. If unable see RNAV (RNP) ZULU RWY 27
3) With EVS VIS 0.63SM 4) Up to 7600ft. If unable see RNAV (RNP) ZULU RWY 27 5) With EVS VIS 1.0SM

60 HL 46 x 2743 3.0° 732

+0.2% TDZ 3852 (---%) / THR 3845 (131hPa) ML-P1R

27

2 4 6 7 9 10.1

4550 5210 5860 6180 6830 7200

3.00° RW27

RW27

8 JEXUT 10.1 13 RW27 BOSCA

267° to JEBSI via ZEKSA and MUSEW
LT 261° to KELTY
RT 271° to PIXXI
climb 13000

6500

267°

7200

6500

DA

GS 120 140 160
640 740 850

55

0 5 8 10

DIST to THR

RW27
N46 36.2
W111 57.8

05-JAN-2017

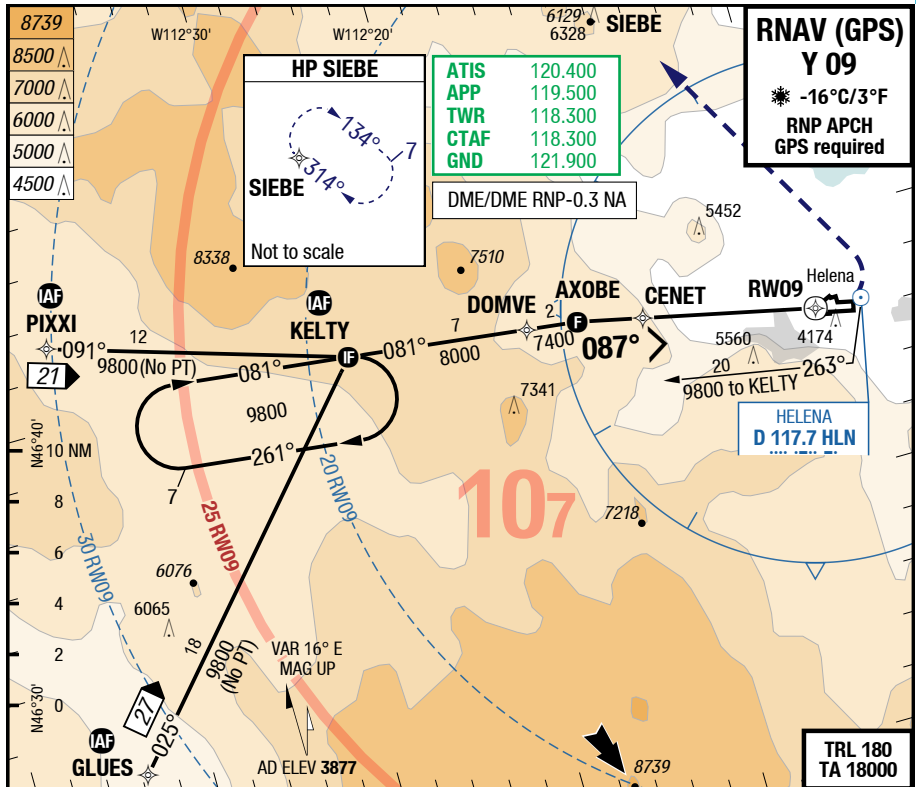
HLN-KHLN

United States Helena Helena Rgnl

7-90

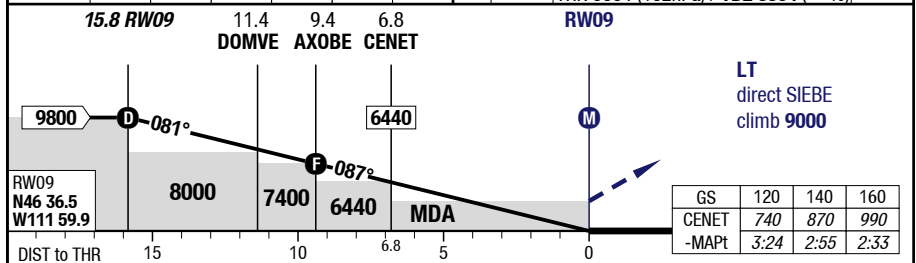
RNAV (GPS) Y 09

IAC



3.50° RW09	15.8	13	11	9	7	5	<div> <div>09</div> <div> <div>3.0°</div> <div>2743 x 46</div> <div>60 HL</div> </div> </div>
	9800	8750	8000	7260	6520	5770	

THR 3864 (132hPa) / **TDZ 3864** (---%) -0.2%



09	RNAV GPS LNAV						Circling TERPS
C	ft - ft/SM ft	1580 - 3.0V 5440					1580 - 3.0V 5460
D	ft - ft/SM ft	1580 - 3.0V 5440					1580 - 3.0V 5460 ¹⁾

1) N of RWY 09/27 only

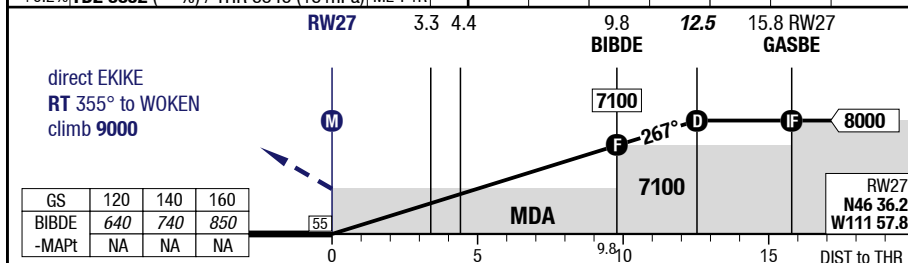
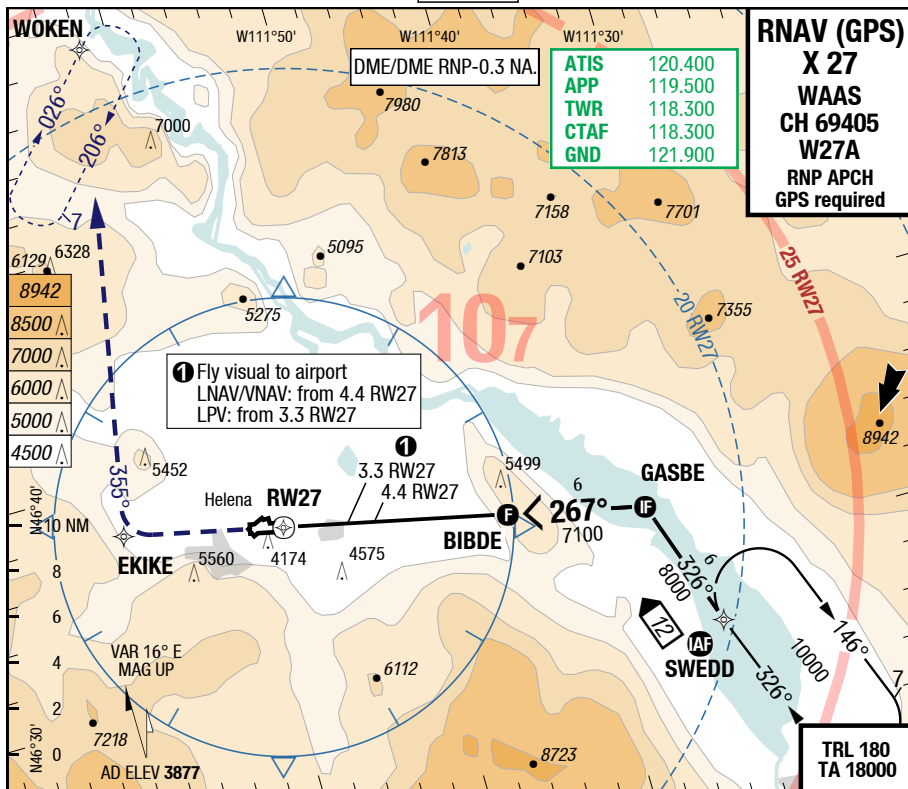
Changes: TDZE, OBST

AMDT 1A

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7-100

RNAV (GPS) X 27



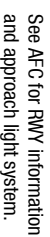
27		RNAV GPS LPV	RNAV GPS VNAV 1)	RNAV GPS LNAV		Circling 2) TERPS
C	ft - ft/SM ft	1120 - 3.0V 4970	1440 - 3.0V 5290	1590 - 3.0V 5440		1590 - 3.0V 5470
D	ft - ft/SM ft	1120 - 3.0V 4970	1440 - 3.0V 5290	1590 - 3.0V 5440		1590 - 3.0V 5470 3)

1) Uncompensated BARO VNAV NA below -22°C (-7°F) or above 42°C (107°F) 2) To RWY 05/23, 35 HJ only 3) N of RWY 09/27 only

United States **Helena** Helena Rgnl

Helena Rgnl **Helena** United States

VOR DME B
VOR A

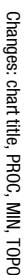


ALL RAILS
TERPS

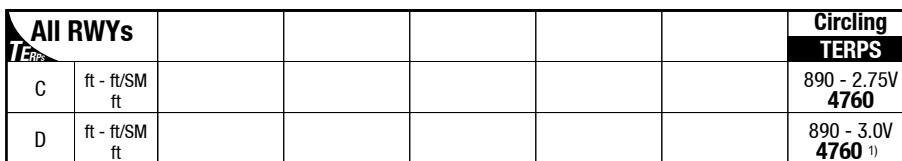
Circling ¹⁾ TERPS

1) To RWY 05/23, 35 HJ only
2) N of RWY 09/27 only

Changes: chart title, MIN, HLDG



RT
intercept R336 **HLN**
to WOKEN
climb **9000**



1) N of RWY 09/27 only

HLN-KHLN**7-130****WxMinima Overflow**

27		LOC wo FERRI				
C	ft - ft/SM ft	1770 - 3.0V 5620				
D	ft - ft/SM ft	1770 - 3.0V 5620				
27		RNAV RNP 0.30 VNAV GA 6.7% APL U/S	RNAV RNP 0.30 VNAV GA 2.5% ^{1) 2)}			
C	ft - ft/SM ft	440 - 1.5V 4290 ^{1) 3) 4)}	1020 - 4.0V 4870			
D	ft - ft/SM ft	440 - 1.5V 4290 ^{1) 3) 4)}	1020 - 4.0V 4870			
1) Uncompensated BARO VNAV NA below -22°C (-7°F) or above 41°C (105°F) 2) INOP table does not apply 3) With EVS VIS 1.0SM 4) Up to 6300ft						