

GENERAL**Operational Hours**

ATS Hours: MON-FRI 0510-2200±, SAT 0600-2130±, SUN 1000-2300±.

AD ADMIN Hours: MON-FRI 0900-1200±, except HOL.

Airport Information

RFF: CAT 7, CAT 4 outside ATS HRs

Fuel: MON-TUE 0445-1730±, WED 0445-2000±, THU 0445-1730±, FRI 0445-2130, SAT 0630-1150± and 1800-1900±, SUN 0930-1900± other times and HOL O/R

PCN: RWY 13/31: 50/F/A/W/T

Customs: O/R 1HR PN

Operation**Traffic Note**

AD AVBL for ACFT with MAX wingspan 48m / 157ft, except EMERG.

Low Visibility Procedure

OPS limited to one ACFT at the time on maneuvering area when VIS below 550m.

OPS prohibited when VIS below 400m.

TWY Restrictions

TWY A width 18m / 59ft.

TWY A AVBL up to code letter C ACFT.

TWY B, C AVBL up to code letter D ACFT.

Taxi/Parking

Follow-me AVBL for CAT D ACFT.

Warnings

Deer in vicinity of AD.

ARRIVAL**Speed**

MAX IAS 250KT below FL100.

Communication

COM Failure: Continue on STAR and start APCH without delay.

Arrival Procedure**Noise Abatement Procedure**

Do not overfly built-up area below 2000ft.

Warnings

GP RWY 13 unusable: outside 5° each side of LOC front course.

EXP windshear and TURB on short final RWY 13/31, especially when wind 170°-270° above 25KT.

Powerlines 3.5NM E and SE of AD.

DEPARTURE**Take-off Minima**

| | | | |
|----------|-----------|---------------|---|
| RWY | | 13/31 | |
| All ACFT | ft - m/km | 0 - 400R/400V | - |

Speed

MAX IAS 250KT below FL100.

Communication**COM Failure**

Maintain last assigned LVL until passing point described below for each SID:

RWY 13

- If no further climb received prior to HD704 for: BIVKI 1J, PEVEB 1J, RUMOG 1J.
- If no further climb received prior to HD702 for: GENVU 1J.
- If no further climb received prior to HD701 for: ODINU 1J.

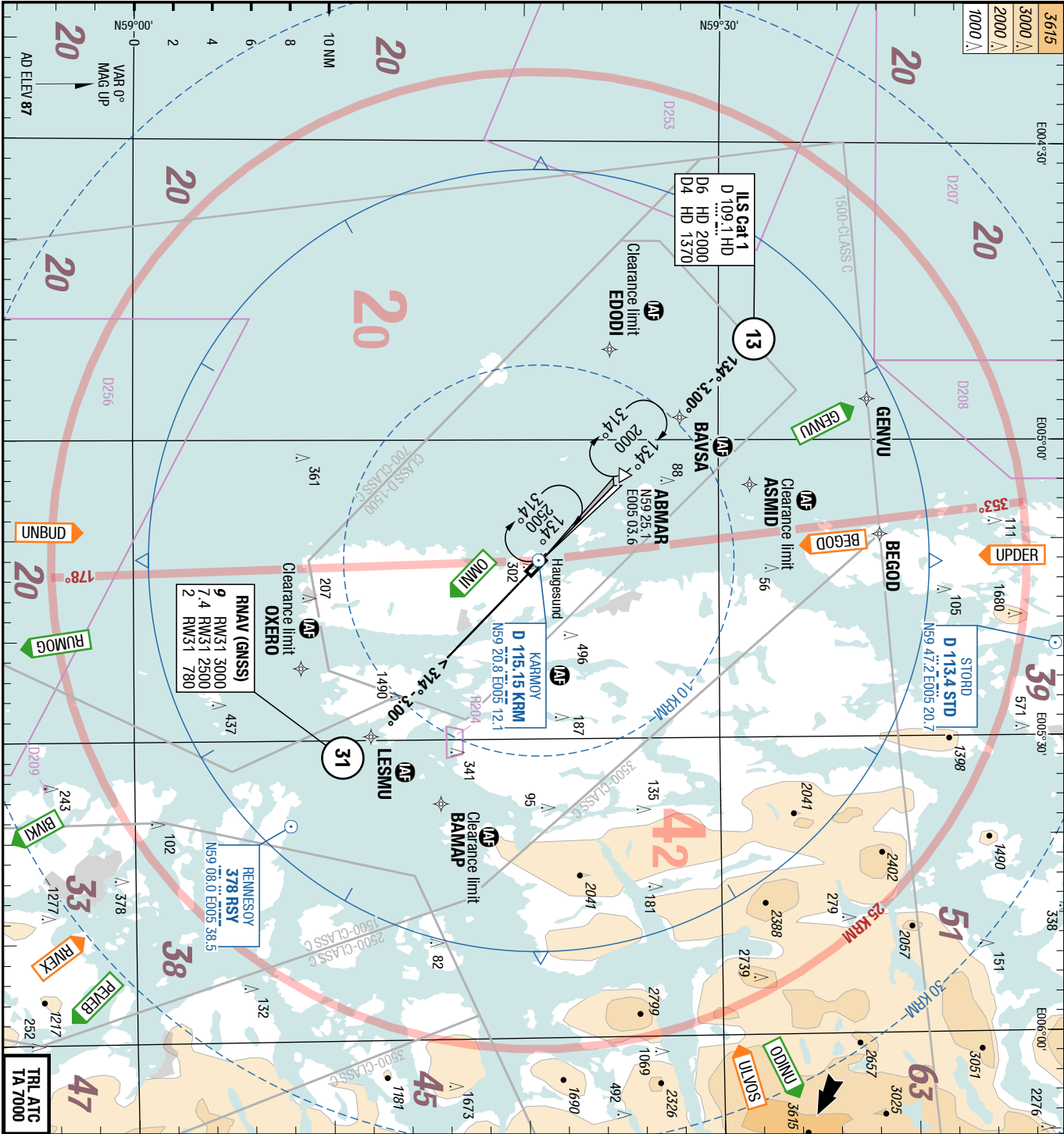
RWY 31

- If no further climb received prior to HD802 for: BIVKI 1K, PEVEB 1K, RUMOG 1K.
- If no further climb received prior to GENVU for: GENVU 1K.
- If no further climb received prior to 32NM to ODINU for: ODINU 1K.

Then climb CPL cruising LVL. ACFT under vectoring shall proceed in the most direct manner possible to rejoin CPL route no later than the next significant point, climbing to the CPL cruising LVL taking into consideration the applicable MNM flight ALT.

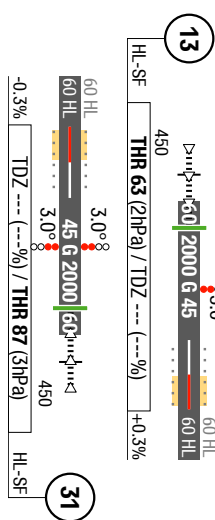
De-Icing

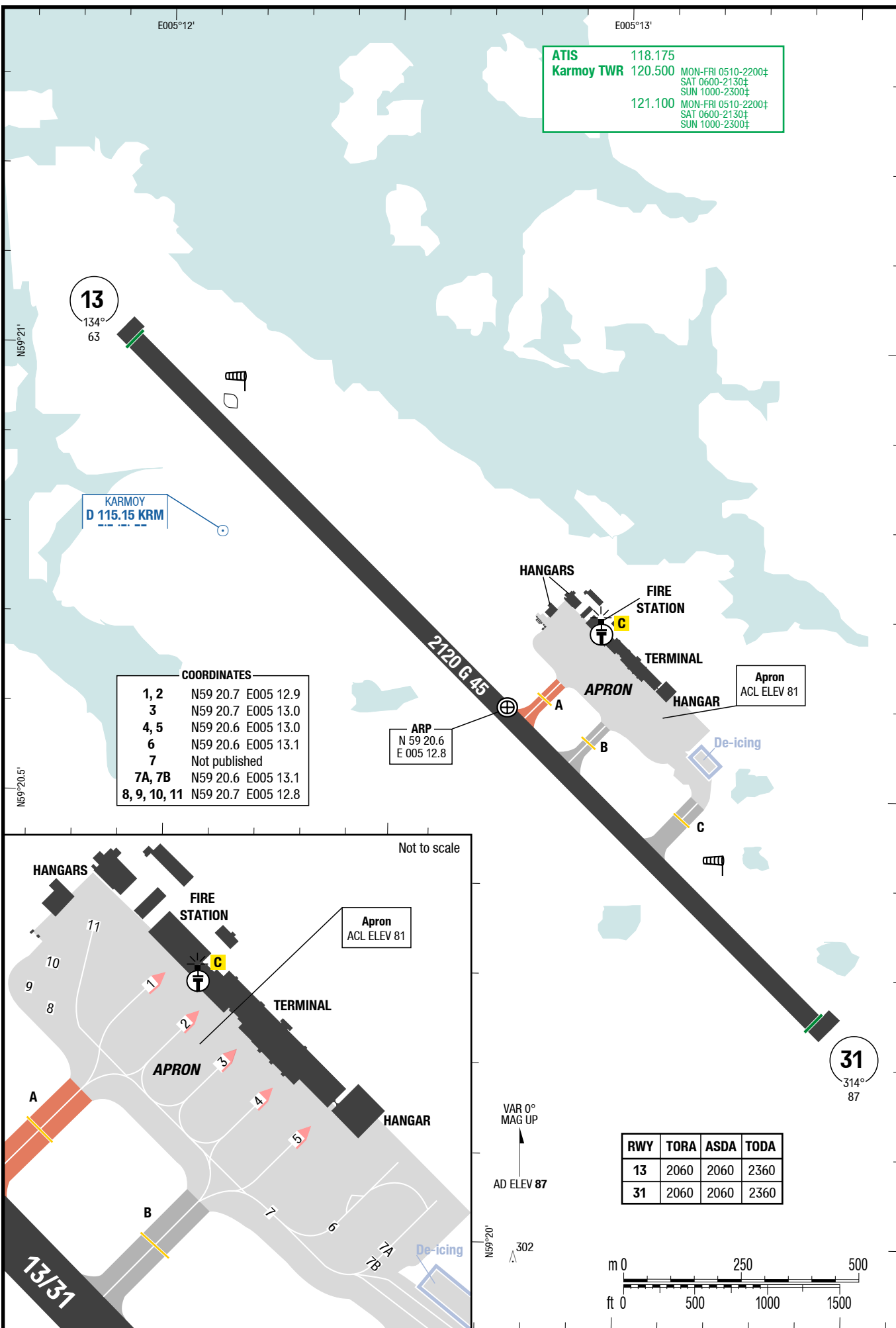
O/R

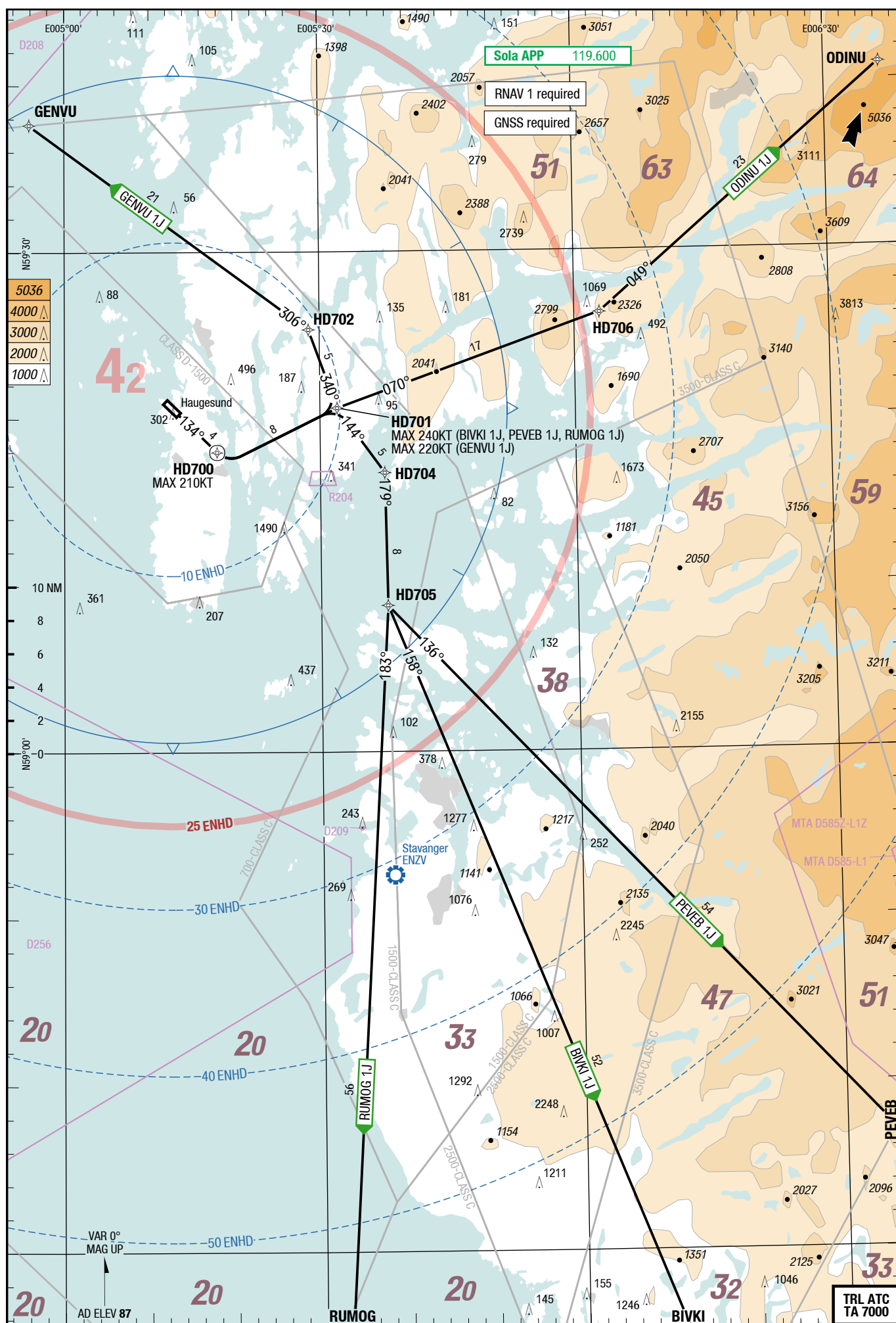


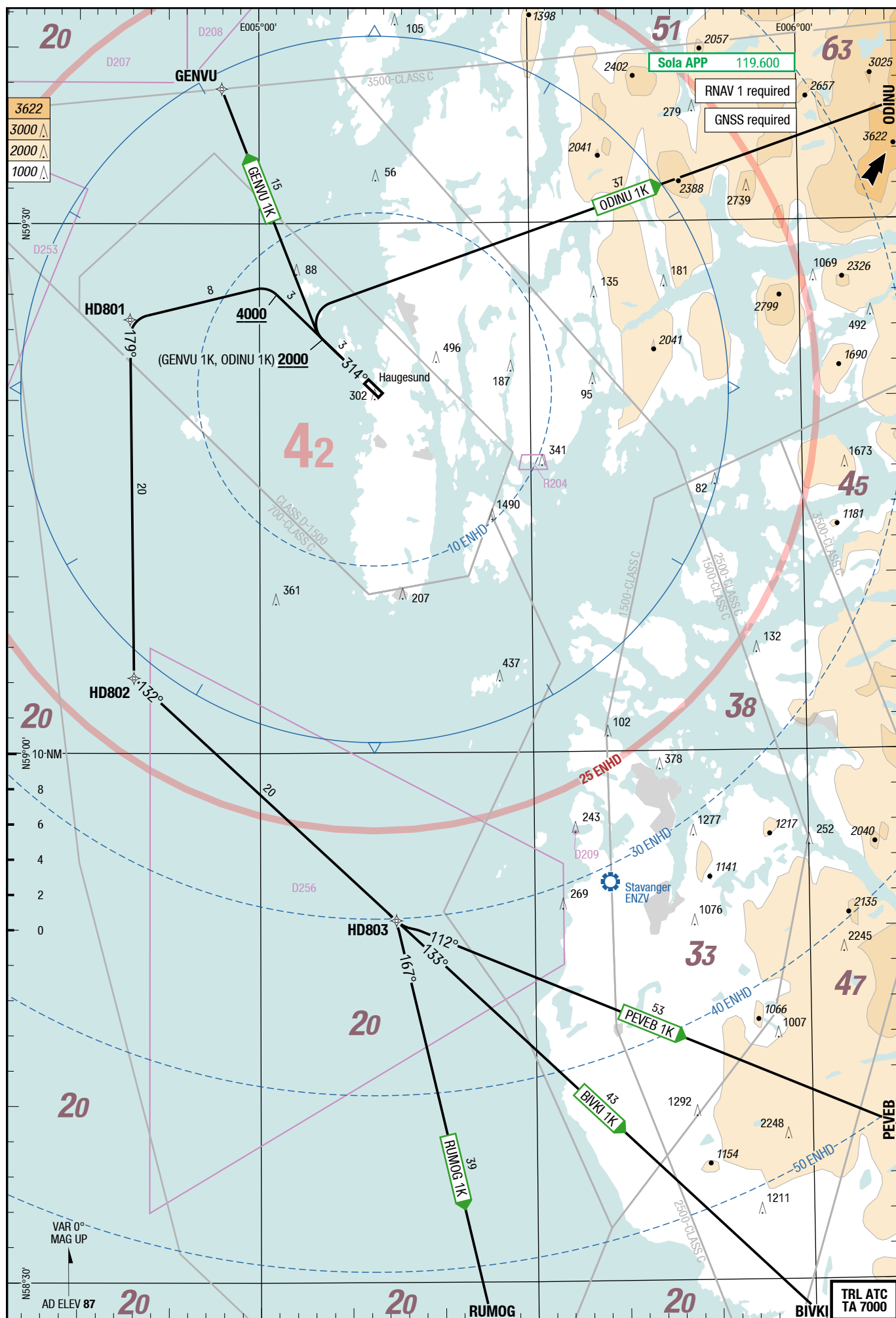
| | |
|----------------------|----------------------|
| ATIS | 118.175 |
| Sola APP | 119.600 |
| Karmoy TWR | 120.500 |
| MON-FRI 05:10-22:00+ | SAT 06:00-21:00+ |
| SUN 10:00-23:00+ | |
| 121.100 | MON-FRI 05:10-22:00+ |
| SAT 06:00-21:00+ | SUN 10:00-23:00+ |

Landing RWY system:









BIVKI 1J / GENVU 1J / ODINU 1J / PEVEB 1J / RUMOG 1J

RWY 13 (134°)

| | | | | | | | |
|------|--------|-----|-----|------|------|------|------|
| | GS | 120 | 150 | 180 | 210 | 240 | 270 |
| 5.6% | ft/MIN | 700 | 900 | 1100 | 1200 | 1400 | 1600 |

| DESIGNATOR | ROUTING | ALTITUDES |
|--|---|---------------------------|
| | Runway 13 | |
| BIVKI 1J 5.6% to 4000 119.600 ①②③ | HD700 [K210-] - HD701 [K240-] - HD704 - HD705 - BIVKI | initial climb 6000 |
| GENVU 1J 5.6% to 4000 119.600 ①②③ | HD700 [K210-] - HD701 [K220-] - HD702 - GENVU | initial climb 6000 |
| ODINU 1J 5.6% to 4000 119.600 ①②③ | HD700 [K210-] - HD701 - HD706 - ODINU | initial climb 6000 |
| PEVEB 1J 5.6% to 4000 119.600 ①②③ | HD700 [K210-] - HD701 [K240-] - HD704 - HD705 - PEVEB | initial climb 6000 |
| RUMOG 1J 5.6% to 4000 119.600 ①②③ | HD700 [K210-] - HD701 [K240-] - HD704 - HD705 - RUMOG | initial climb 6000 |

- ① Non-RNAV 1 ACFT: At first contact state "Unable RNAV 1 due (reason)". OMNI-DIRECTIONAL DEP available.
 ② When being vectored for DCT routing, climb gradient still apply.
 ③ If unable to comply with restrictions - contact ATC

18-MAY-2017

HAU-ENHD

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RNAV SIDs RWY 31

SIDPT

BIVKI 1K / GENVU 1K / ODINU 1K / PEVEB 1K / RUMOG 1K

RWY 31 (314°)

| DESIGNATOR | ROUTING | ALTITUDES |
|---------------------------------|---|--------------------|
| | Runway 31 | |
| BIVKI 1K 119.600 ① | [A4000+ ;L] - HD801 - HD802 - HD803 - BIVKI | initial climb 6000 |
| GENVU 1K 119.600 ① | [A2000+] - GENVU | initial climb 6000 |
| ODINU 1K 119.600 ① | [A2000+ ;R] - ODINU | initial climb 6000 |
| PEVEB 1K 119.600 ① | [A4000+ ;L] - HD801 - HD802 - HD803 - PEVEB | initial climb 6000 |
| RUMOG 1K 119.600 ① | [A4000+ ;L] - HD801 - HD802 - HD803 - RUMOG | initial climb 6000 |

① Non-RNAV 1 ACFT: At first contact state "Unable RNAV 1 due (reason)". OMNI-DIRECTIONAL DEP available.

DEPARTURES

| | | | | | | | |
|------|--------|-----|-----|------|------|------|------|
| | GS | 120 | 150 | 180 | 210 | 240 | 270 |
| 5.5% | ft/MIN | 700 | 900 | 1100 | 1200 | 1400 | 1600 |

| RWY | Routing |
|---------|--|
| OMNI 2J | RWY 13 5.5% to 4000 (If unable to comply, inform ATC) 134° - Expect further clearance from ATC MNM turn ALT 2000ft. initial climb 6000 |
| OMNI 2K | RWY 31 5.5% to 4000 (If unable to comply, inform ATC) 314° - Expect further clearance from ATC. MNM turn ALT 2000ft. initial climb 6000 |

| RWY | Notes |
|---------|---|
| OMNI 2J | 1. When being vectored for DCT routing, climb gradient still apply. |
| OMNI 2K | 1. When being vectored for DCT routing, climb gradient still apply. |

HAU-ENHD

Norway **Haugesund** Karmoy

RNAV STARs RWY 31

6-10

RNAV STARs RWY 13

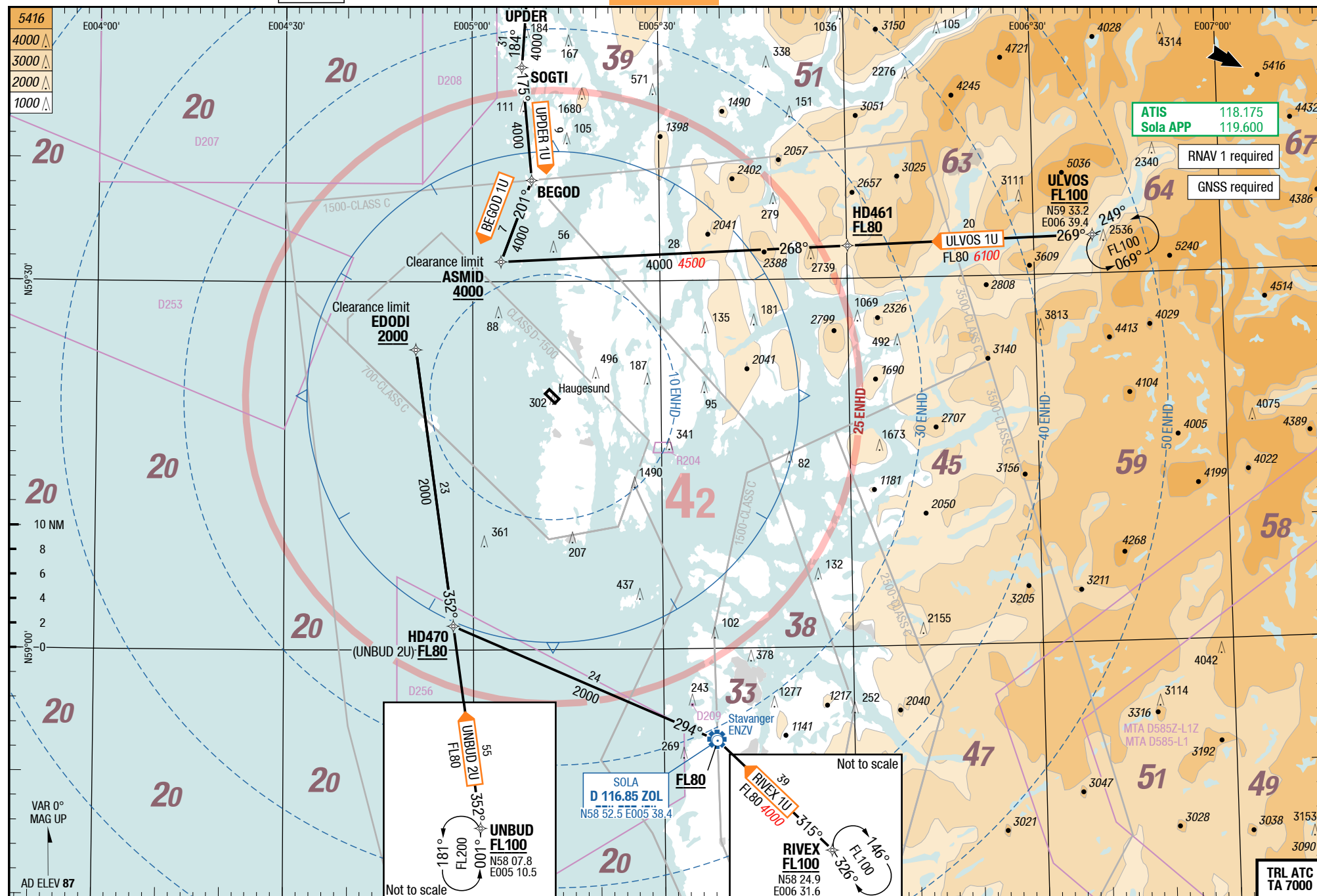
STAR

STAR

Karmoy **Haugesund** Norway

RNAV STARs RWY 31

RNAV STARs RWY 13



Changes: MGA, chart title, FREQ, Track, OBST, SUAs

Effective 25-MAY-2017

18-MAY-2017

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6-20

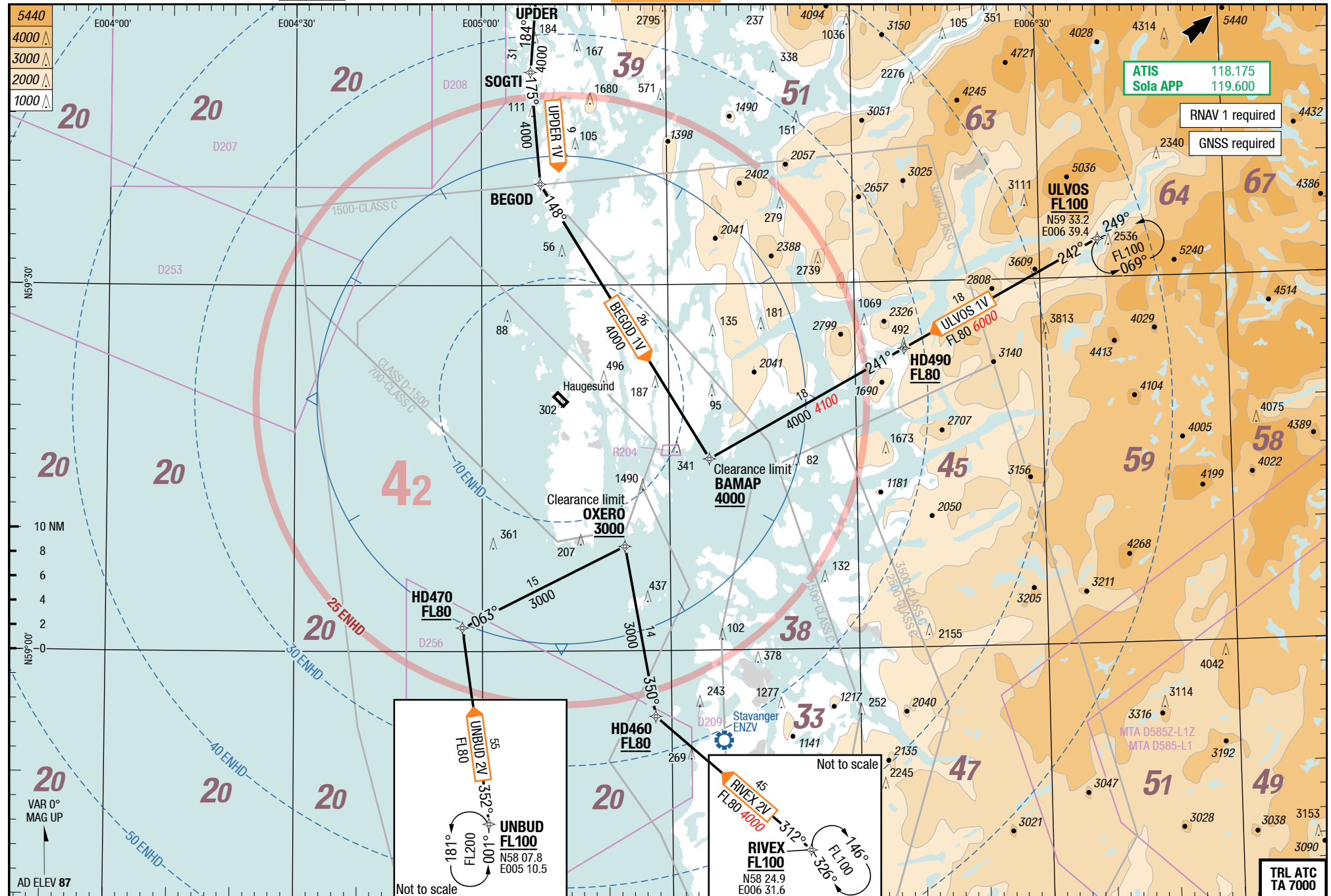
RNAV STARs RWY 31

STAR

STAR

Karmoy Haugesund Norway

RNAV STARs RWY 31

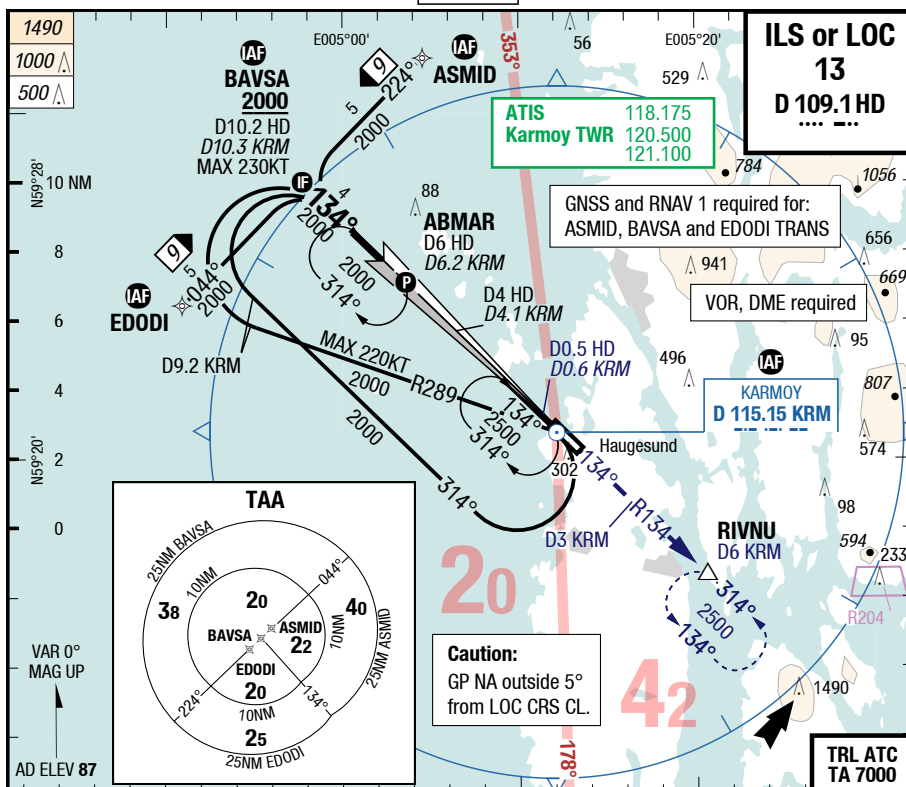
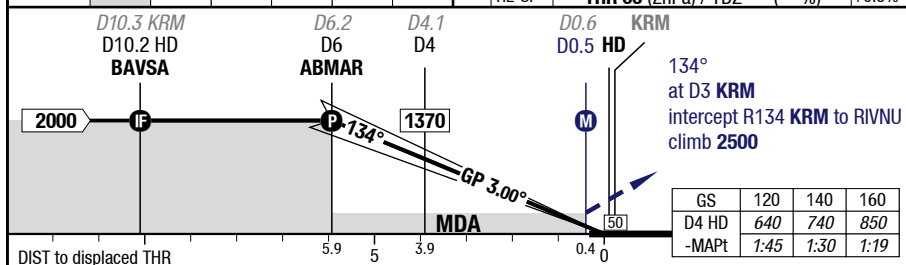


Changes: MGA, chart title, FREQ, SUAs, OBST

HAU-ENHD

7-10

ILS or LOC 13

[illegible]

| 13 | | Cat 1 DME 1) | LOC DME | | | | Circling |
|-----------|-----------------|-------------------------|-------------------------|--|--|--|--------------------------|
| C | ft - m/km ft | 200 - 750 270 | 310 - 1.0 370 | | | | 850 - 2.4V 930 |
| D | ft - m/km ft | 210 - 750 270 | 310 - 1.0 370 | | | | 860 - 3.6V 940 |

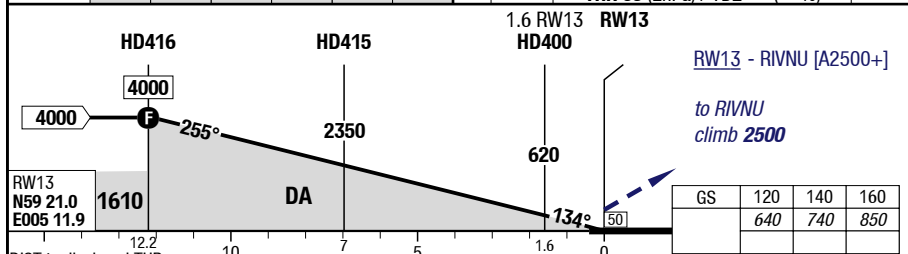
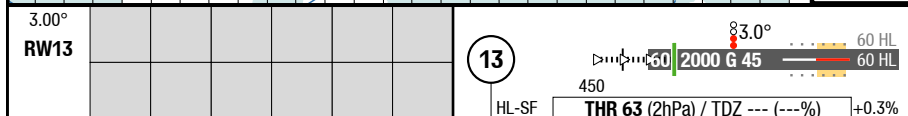
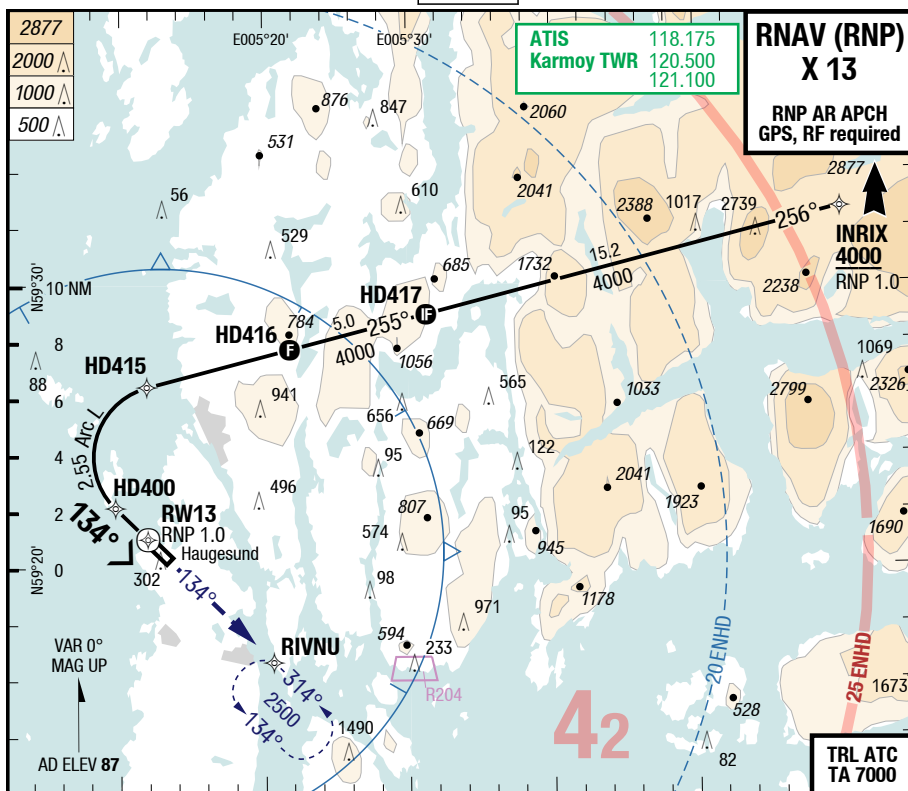
1) With EVS 550m

Changes: chart title, APL, RWY Designator, HLDG, OBST

HAU-ENHD

7-30

RNAV (RNP) X 13



| 13 | | RNAV | | | Circling |
|----|-----------------|---------------------|--|--|---------------|
| | | RNP 0.30 VNAV 1) | | | |
| C | ft - m/km ft | 320 - 1.0 390 2) | | | Not published |
| D | ft - m/km ft | Not published | | | Not published |

1) Uncompensated BARO VNAV NA below -25°C (-13°F)

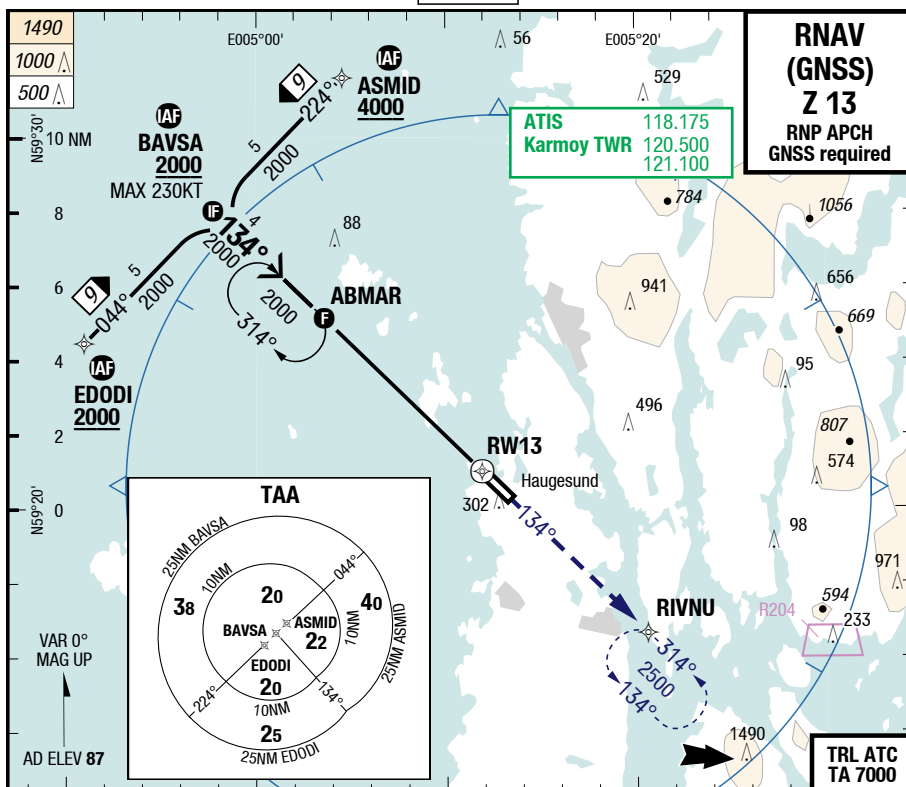
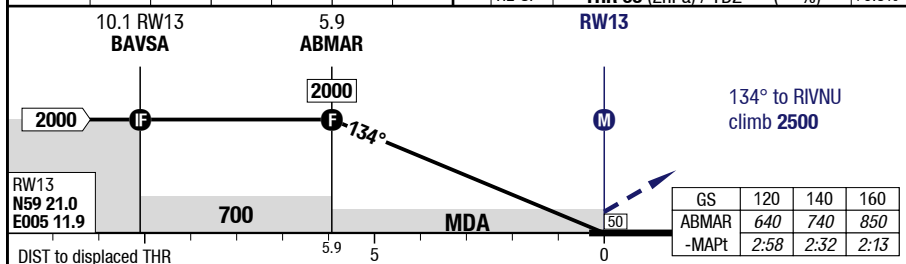
2) With EVS 650m

Changes: APL, chart title, RWY Designator, OBST, Profile

HAU-ENHD

7-50

RNAV (GNSS) Z 13

[illegible]

| 13 | | RNAV GNSS VNAV 1) | RNAV GNSS LNAV | | | | Circling |
|-----------|-----------------|-----------------------------|--------------------------|--|--|--|--------------------------|
| C | ft - m/km ft | 280 - 900 340 2) | 360 - 1.2 420 | | | | 850 - 2.4V 930 |
| D | ft - m/km ft | 310 - 1.0 370 3) | 380 - 1.3 440 | | | | 860 - 3.6V 940 |

1) Uncompensated BARO VNAV NA below -25°C (-13°F)

3) With EVS 650m

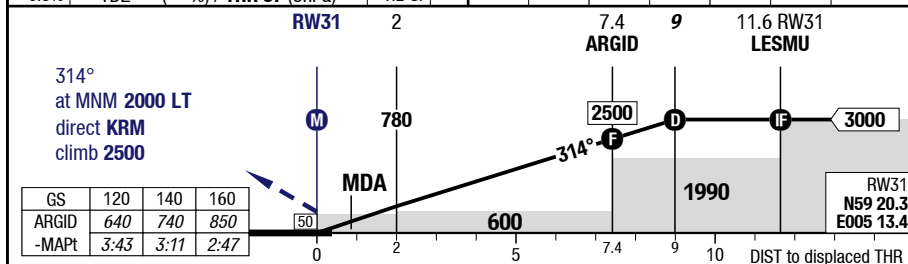
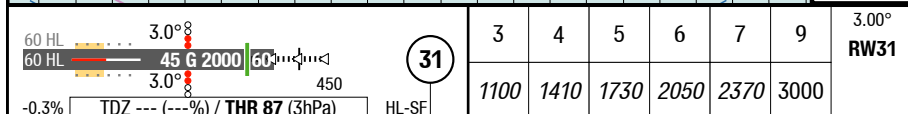
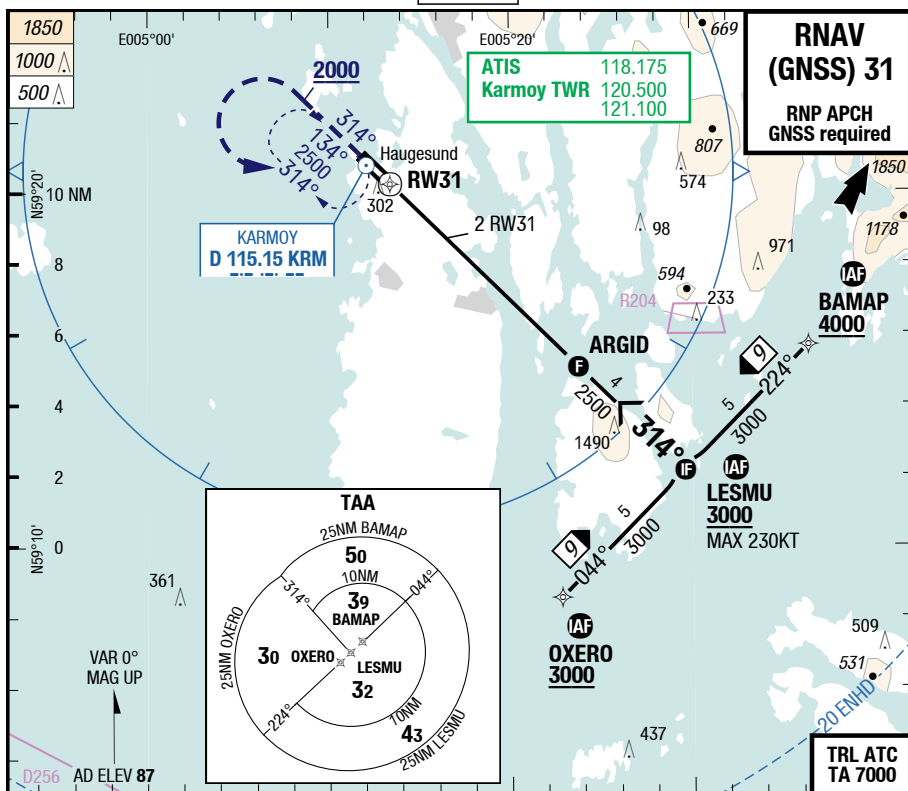
2) With EVS 600m

Changes: chart title, APL, HLDG, OBST, Profile

HAU-ENHD

7-60

RNAV (GNSS) 31



| 31 | | RNAV GNSS VNAV 1) 2) | RNAV GNSS LNAV | | | | Circling |
|-----------|-----------------|-----------------------------------|--------------------------|--|--|--|--------------------------|
| C | ft - m/km ft | 380 - 1.3 460 | 480 - 1.8 560 | | | | 850 - 2.4V 930 |
| D | ft - m/km ft | 390 - 1.4 470 | 480 - 1.8 560 | | | | 860 - 3.6V 940 |

1) Uncompensated BARO VNAV NA below -25°C (-13°F)

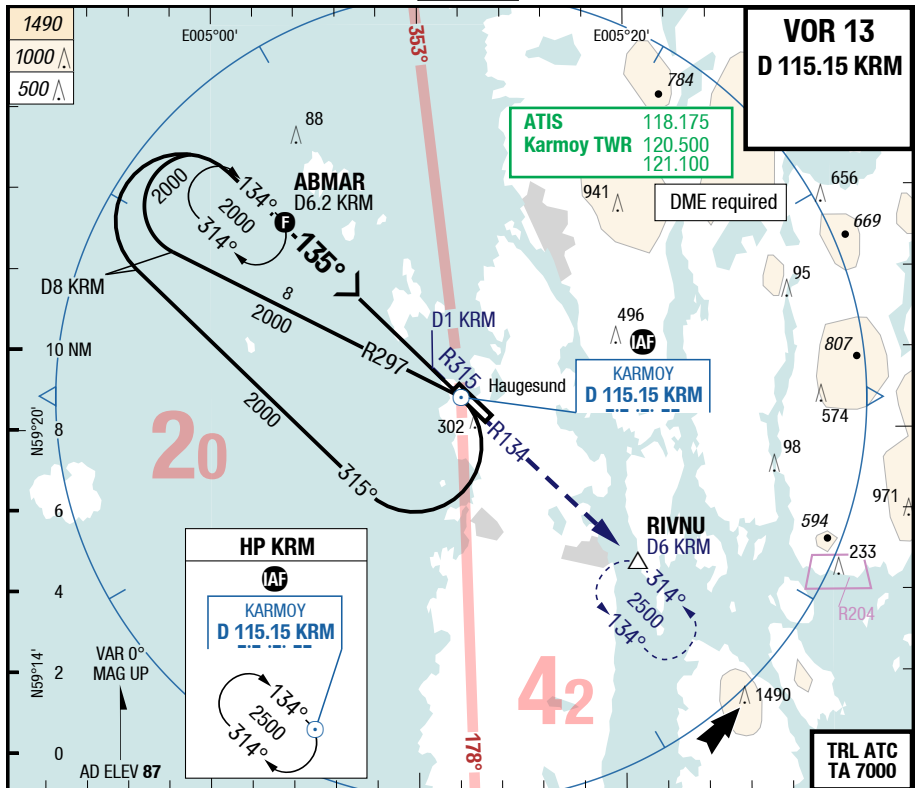
2) With EVS 900m

Changes: chart title, APL, RWY Designator, Profile, HLDG

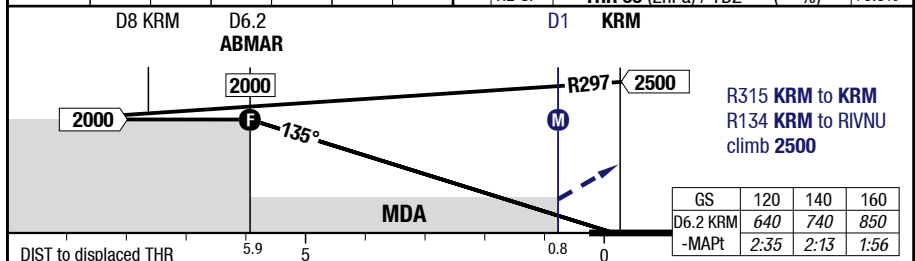
HAU-ENHD

7-70

VOR 13



| | | | | | | | |
|---|------|------|------|------|------|-----|--|
| 3.00° | 6.2 | 6 | 5 | 4 | 3 | 2 | <div> <div>13</div> <div>HL-SF</div> <div> <div> <div> <div>3.0°</div> <div>60 HL</div> </div> <div> <div>60</div> <div>2000 G 45</div> <div>60 HL</div> </div> </div> <div>450</div> <div>THR 63 (2hPa) / TDZ --- (---%)</div> <div>+0.3%</div> </div> </div> |
| D KRM 135° RWY 134° | 2000 | 1950 | 1630 | 1320 | 1000 | 680 | |

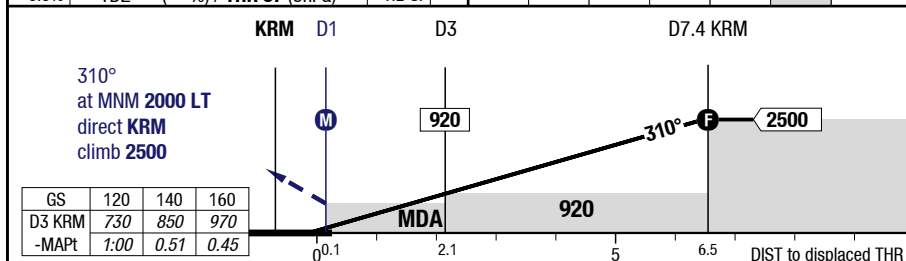
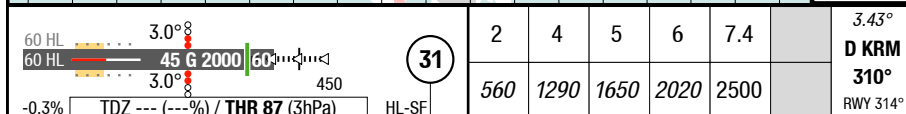
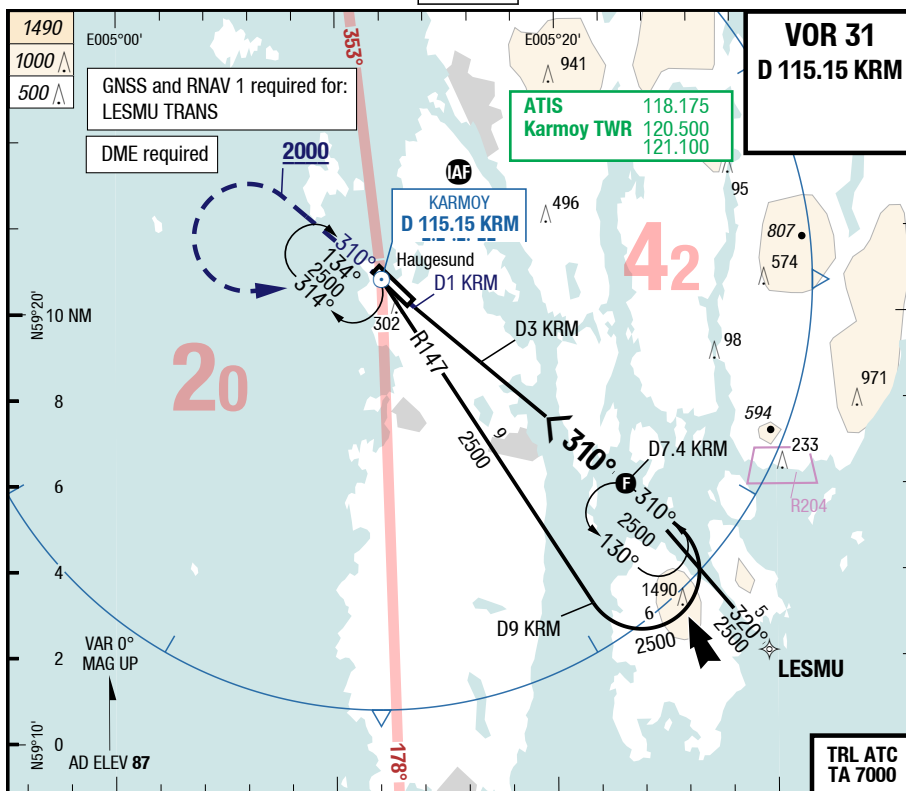


| 13 | | VOR DME | | | | | Circling |
|----|-----------------|------------------|--|--|--|--|-------------------|
| C | ft - m/km ft | 320 - 1.0 380 | | | | | 850 - 2.4V 930 |
| D | ft - m/km ft | 320 - 1.0 380 | | | | | 860 - 3.6V 940 |

HAU-ENHD

7-80

VOR 31



| | | | | | | |
|-----------|-----------------|-------------------------|--|--|--|--------------------------|
| 31 | | VOR DME | | | | Circling |
| C | ft - m/km ft | 470 - 1.8 550 | | | | 850 - 2.4V 930 |
| D | ft - m/km ft | 470 - 1.8 550 | | | | 860 - 3.6V 940 |