

**TOS-ENTC**

**1-10**

**AOI**

**AOI**

## **GENERAL**

### **Operational Hours**

**ATS Hours:** TWR H24

**AD ADMIN Hours:** MON-FRI 0800-1530‡, except HOL

### **Airport Information**

**RFF:** CAT 7 0500-2300‡, CAT 4 2300-0500‡, CAT 7/8 AVBL O/R

**Fuel:** O/R MON-FRI 0500-2230‡, SAT 0500-1600‡, SUN 0730-2300‡

**PCN:** RWY 01/19: 45/F/C/X/U

**Customs:** O/R 1h 30min PN to TWR

### **Operation**

#### **Requirements for Operators**

ACFT operators that operate with jet ACFT shall stipulate special crew qualifications requirements in the period 01 OCT - 30 APR CAT C, in the period 01 MAY - 30 SEP CAT B.

ACFT operators that operate with other types of ACFT shall stipulate special crew qualifications requirements CAT B the whole year.

ACFT operator shall stipulate special limitations with regard to surface wind.

ACFT operator shall stipulate special requirements with regard to RWY status.

#### **Low Visibility Procedure**

No ACFT OPS allowed when RVR below 550m.

#### **RWY Restriction**

RWY 01/19 will be closed when braking action is below 0.2.

Tail wind landings:

The limit is 5KT within 30° of RCL and 8KT between 31° and 70° from CL.

#### **TWY Restrictions**

TWY A, B width 20m / 66ft.

TWY D width 15m / 49ft.

TWY H, J width 10m / 33ft.

## **ARRIVAL**

### **Speed**

MAX IAS 250KT below FL100.

### **Warnings**

RWY 19: GP signal unstable beyond BAXAS.

Windshear/eddies may occur on short final RWY 01/19.

Wind in sector 200°-270° above 20KT.

**TOS-ENTC**

**1-20**

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**DEPARTURE**

**Take-off Minima**

RWY		01/19	
All ACFT	ft - m/km	0 - 550R/550V	-

**Speed**

MAX IAS 250KT below FL100.

**Communication**

**COM Failure**

Maintain last cleared and acknowledged LVL until passing D20 TR0, then climb to the cruising LVL stated in the CPL. ACFT under vectoring shall, after setting 7600, proceed in the most direct manner possible to rejoin the CPL route no later than the next significant point, climbing to the CPL cruising LVL taking into consideration the applicable MNM flight ALT.

**RNAV (GNSS)**

Maintain last cleared and acknowledged LVL for 2min, then climb to the cruising LVL stated in the CPL. ACFT under radar vectoring shall, after setting 7600, proceed in the most direct manner possible to rejoin the CPL route no later than the next significant point, climbing to the CPL cruising LVL taking into consideration the applicable MNM flight ALT.

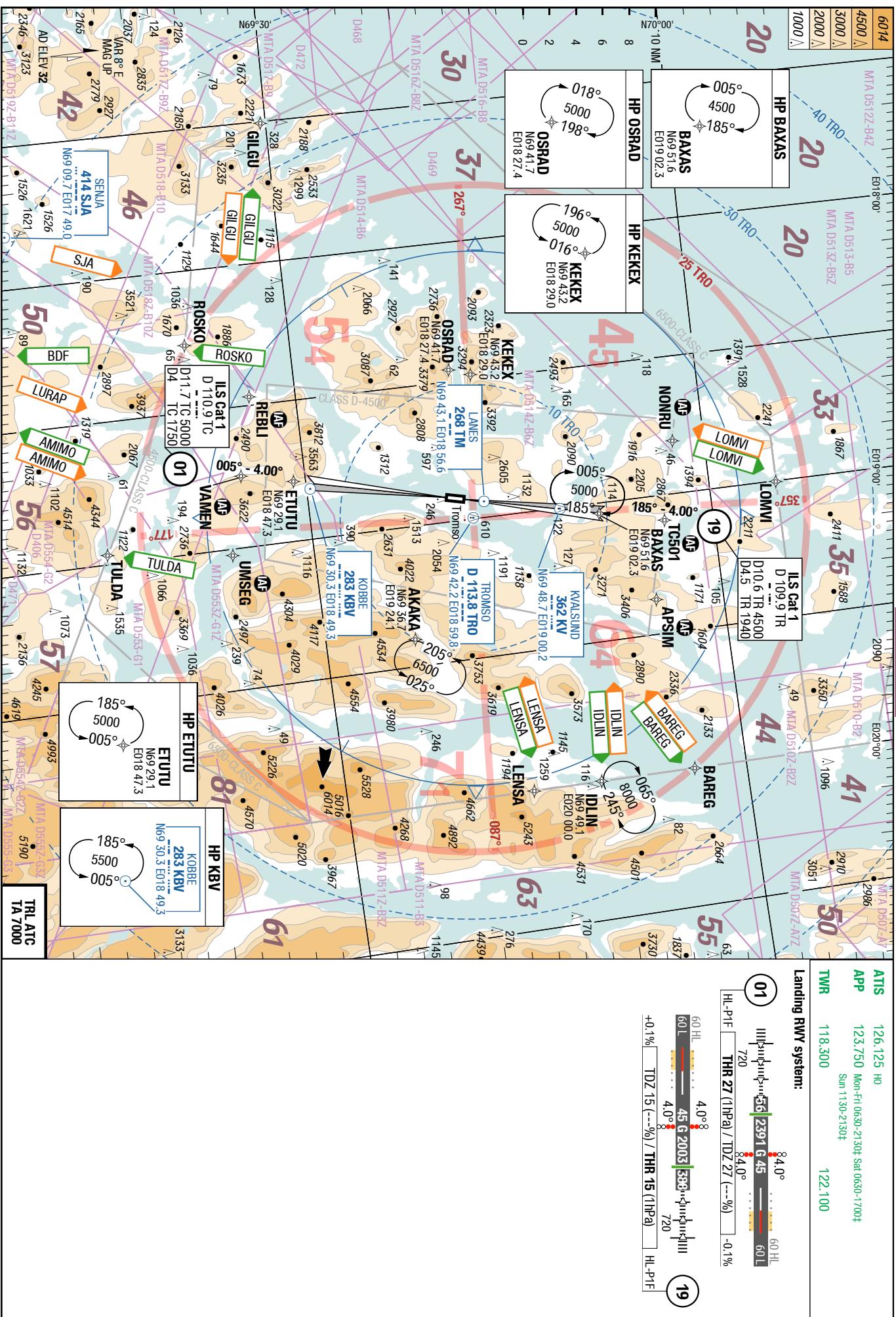
**Departure Procedure**

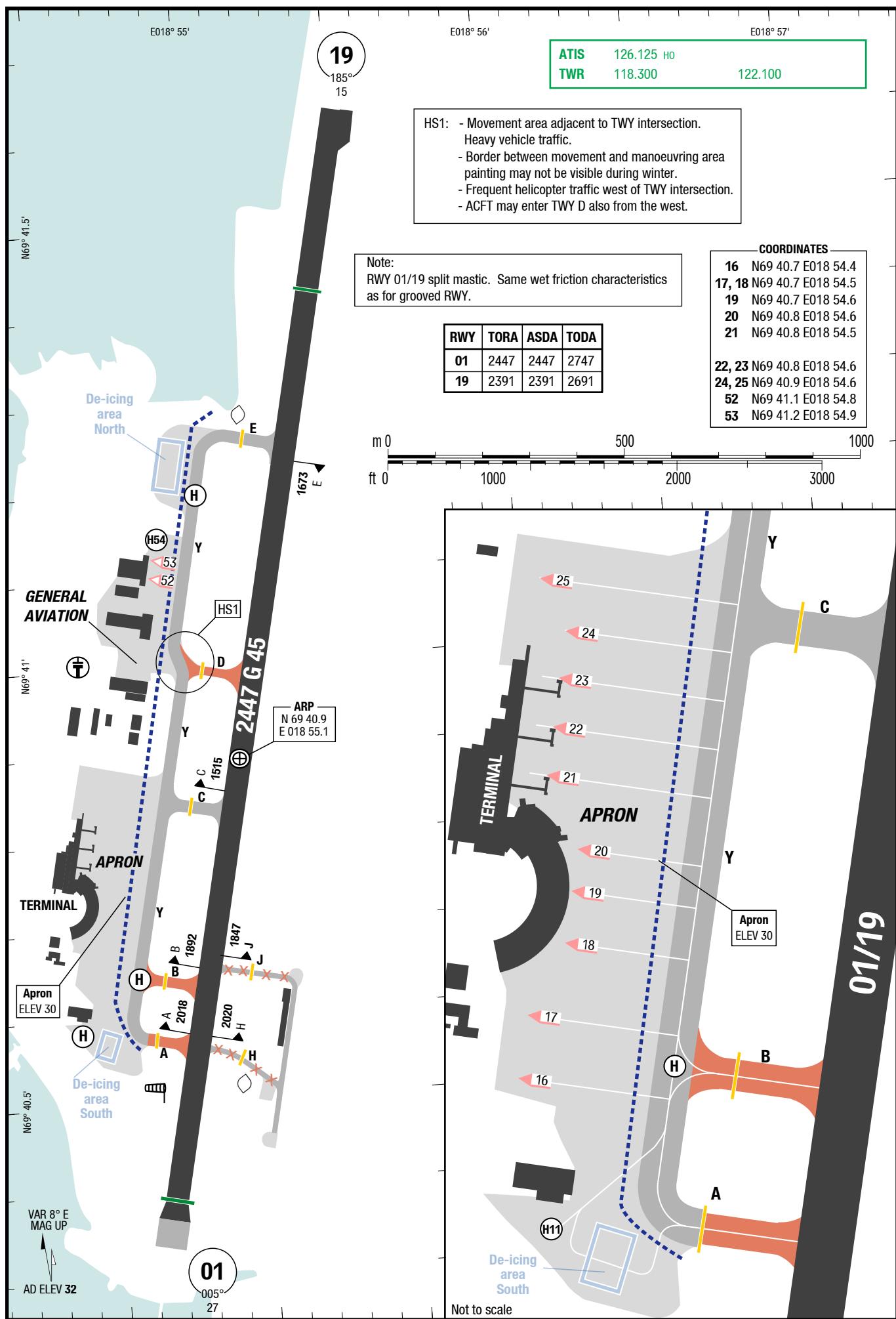
**Start-up/Push-back**

Contact TWR before start-up and push-back.

**De-Icing**

AVBL O/R







Effective 29-MAR-2018  
22-MAR-2018

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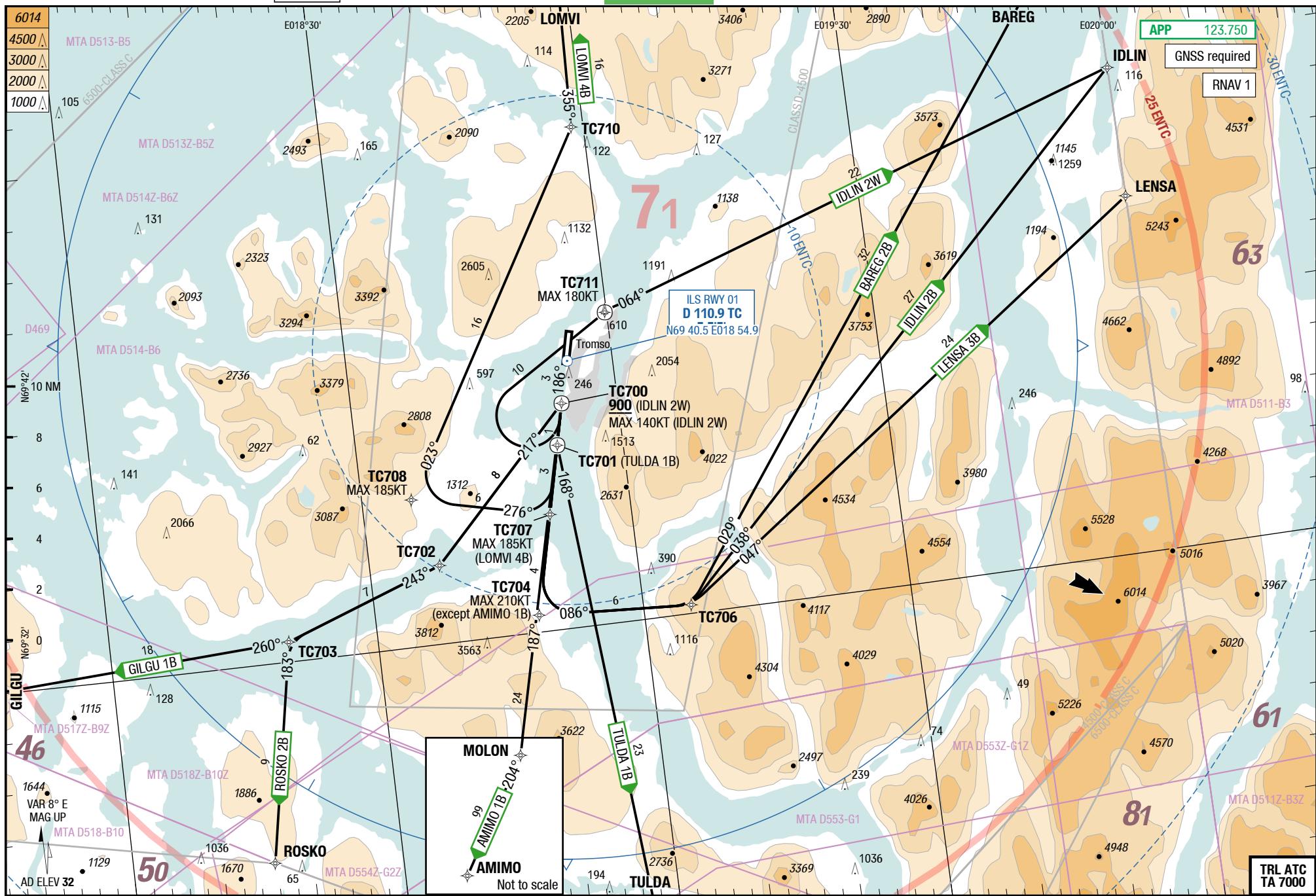
4-20

SID

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# RNAV SIDs RWY 19



09-FEB-2017

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4-30

SIDs RWYs 01/19

SID

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## Changes: OBST

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5-10

RNAV SIDs RWY 01

**AMIMO 1A / BAREG 2A / BAREG 2X / GILGU 1A / IDLIN 2A / LENSA 3A / LOMVI 4A**  
**RWY 01 (005°)**

**When instructed, contact Tromso APP.**

	GS	120	150	180	210	240	270
6.5%	ft/MIN	800	1000	1200	1400	1600	1800
7.0%	ft/MIN	900	1100	1300	1500	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
<b>Runway 01</b>		
<b>AMIMO 1A</b> 7.0% to 5000 <b>123.750</b> <b>①②③</b>	DCT TC603 [K230-] - TC604 [K230-] - ROSKO - AMIMO	TC603 MNM <b>2000</b>  <b>Initial climb FL90</b>
<b>BAREG 2A</b> 6.5% to 5000 <b>123.750</b> <b>①②③</b>	DCT <u>TC616</u> [K210-] - BAREG	  <b>Initial climb FL90</b>
<b>BAREG 2X</b> 7.0% to 5000 <b>123.750</b> <b>①②③</b>	DCT TC601 [K230-] - BAREG	  <b>Initial climb FL90</b>
<b>GILGU 1A</b> 7.0% to 5000 <b>123.750</b> <b>①②③</b>	DCT TC603 [K230-] - TC604 [K230-] - GILGU	TC603 MNM <b>2000</b>  <b>Initial climb FL90</b>
<b>IDLIN 2A</b> 6.5% to 5000 <b>123.750</b> <b>①②③</b>	DCT <u>TC616</u> [K210-] - TC615 [K230-] - IDLIN	  <b>Initial climb FL90</b>
<b>LENSA 3A</b> 6.5% to 5000 <b>123.750</b> <b>①②③</b>	DCT <u>TC616</u> [K210-] - TC615 [K230-] - LENSA	  <b>Initial climb FL90</b>
<b>LOMVI 4A</b> 7.0% to 5000 <b>123.750</b> <b>①②③</b>	DCT TC603 - LOMVI	  <b>Initial climb FL90</b>

- ① Non RNAV ACFT, advise TWR at first contact.
- ② If unable to comply with climb gradient, advise ATC.
- ③ When being vectored for DCT routing, climb gradient still apply.

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**5-20**

**RNAV SIDs RWY 01**

**OMNIDIRECTIONAL 1A DEP / TULDA 1A**

**RWY 01 (005°)**

**When instructed, contact Tromso APP.**

	GS	120	150	180	210	240	270
6.5%	ft/MIN	800	1000	1200	1400	1600	1800
7.5%	ft/MIN	1000	1200	1400	1600	1900	2100

DESIGNATOR	ROUTING	ALTITUDES
<b>Runway 01</b>		
<b>OMNIDIRECTIONAL 1A DEP</b> 7.5% to 3500 <b>123.750</b> <small>②③</small>	Climb to D6 TR Start turn according ATC	<small>Initial climb FL90</small>
<b>TULDA 1A</b> 6.5% to 5000 <b>123.750</b> <small>①②③</small>	DCT TC603 [K230-] - TC605 [K230-] - TULDA	<small>Initial climb FL90</small>

- ① Non RNAV ACFT, advise TWR at first contact.
- ② If unable to comply with climb gradient, advise ATC.
- ③ When being vectored for DCT routing, climb gradient still apply.

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5-30

RNAV SIDs RWY 19

**AMIMO 1B / BAREG 2B / GILGU 1B / IDLIN 2B / IDLIN 2W / LENSA 3B**

RWY 19 (185°)

**When instructed, contact Tromso APP.**

	GS	120	150	180	210	240	270
5.5%	ft/MIN	700	900	1100	1200	1400	1600
6.2%	ft/MIN	800	1000	1200	1400	1600	1700
6.5%	ft/MIN	800	1000	1200	1400	1600	1800
9.8%	ft/MIN	1200	1500	1800	2100	2400	2700

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 19</b>	
<b>AMIMO 1B</b> 5.5% to 4000 <b>123.750</b> ①②③	RW19 - MOLON - AMIMO	<b>initial climb FL90</b>
<b>BAREG 2B</b> 6.2% to 4000 <b>123.750</b> ①②③	RW19 - TC704 [K210-] - TC706 - BAREG	<b>initial climb FL90</b>
<b>GILGU 1B</b> 6.5% to 4000 <b>123.750</b> ①②③	DCT TC700 - TC702 - TC703 - GILGU	<b>initial climb FL90</b>
<b>IDLIN 2B</b> 6.2% to 4000 <b>123.750</b> ①②③	DCT TC704 [K210-] - TC706 - IDLIN	<b>initial climb FL90</b>
<b>IDLIN 2W</b> 9.8% to TC700 6.5% to 4000 <b>123.750</b> ①②③	DCT TC700 [K140- ;R] - DCT TC711 [K180-] - IDLIN	TC700 MNM 900 <b>initial climb FL90</b>
<b>LENSA 3B</b> 6.2% to 4000 <b>123.750</b> ①②③	DCT TC704 [K210-] - TC706 - LENSA	<b>initial climb FL90</b>

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 ② If unable to comply with climb gradient, advise ATC.  
 ③ When being vectored for DCT routing, climb gradient still apply.

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5-40

RNAV SIDs RWY 19

SIDPT

LOMVI 4B / OMNIDIRECTIONAL 1B DEP / ROSKO 2B / TULDA 1B  
RWY 19 (185°)

When instructed, contact Tromso APP.

	GS	120	150	180	210	240	270
5.5%	ft/MIN	700	900	1100	1200	1400	1600
6.5%	ft/MIN	800	1000	1200	1400	1600	1800
6.8%	ft/MIN	900	1100	1300	1500	1700	1900
8.1%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 19	
<b>LOMVI 4B</b> 6.8% to 4000 <b>123.750</b> ①②③	DCT TC707 [K185-] - TC708 [K185-] - TC710 - LOMVI	<b>initial climb FL90</b>
<b>OMNIDIRECTIONAL 1B DEP</b> 8.1% to 4500 <b>123.750</b> ②③	Climb to D8 TC Start turn according ATC	<b>initial climb FL90</b>
<b>ROSKO 2B</b> 6.5% to 4000 <b>123.750</b> ①②③	DCT <u>TC700</u> - TC702 - TC703 - ROSKO	<b>initial climb FL90</b>
<b>TULDA 1B</b> 5.5% to 4000 <b>123.750</b> ①②③	DCT <u>TC701</u> - TULDA	<b>initial climb FL90</b>

- ① Non RNAV ACFT, advise TWR at first contact.  
 ② If unable to comply with climb gradient, advise ATC.  
 ③ When being vectored for DCT routing, climb gradient still apply.

**TOS-ENTC**

**5-50**

**SIDs RWYs 01/19**

**BARDUFOSS 5Y / LOMVI 4X**

RWYs 01 (005°) / 19 (185°)

**When instructed, contact APP.**

	GS	120	150	180	210	240	270
5.4%	ft/MIN	700	900	1000	1200	1400	1500
6.2%	ft/MIN	800	1000	1200	1400	1600	1700

DESIGNATOR	ROUTING	ALTITUDES
<b>Runway 01</b>		
<b>LOMVI 4X</b> 6.2% to 1600 <b>123.750</b> ①	QDM 006 <b>KV</b> to <b>KV</b> - intercept R353 <b>TR0</b> (MAX 185KT) to LOMVI	<b>Initial climb FL90</b>
<b>Runway 19</b>		
<b>BARDUFOSS 5Y</b> <b>BDF 5Y</b> 5.4% to 3700 <b>123.750</b> ①	direct <b>KBV</b> - intercept R011 <b>BDF</b> to <b>BDF</b>	<b>Initial climb FL90</b>

① If unable to comply with climb gradient, advise ATC

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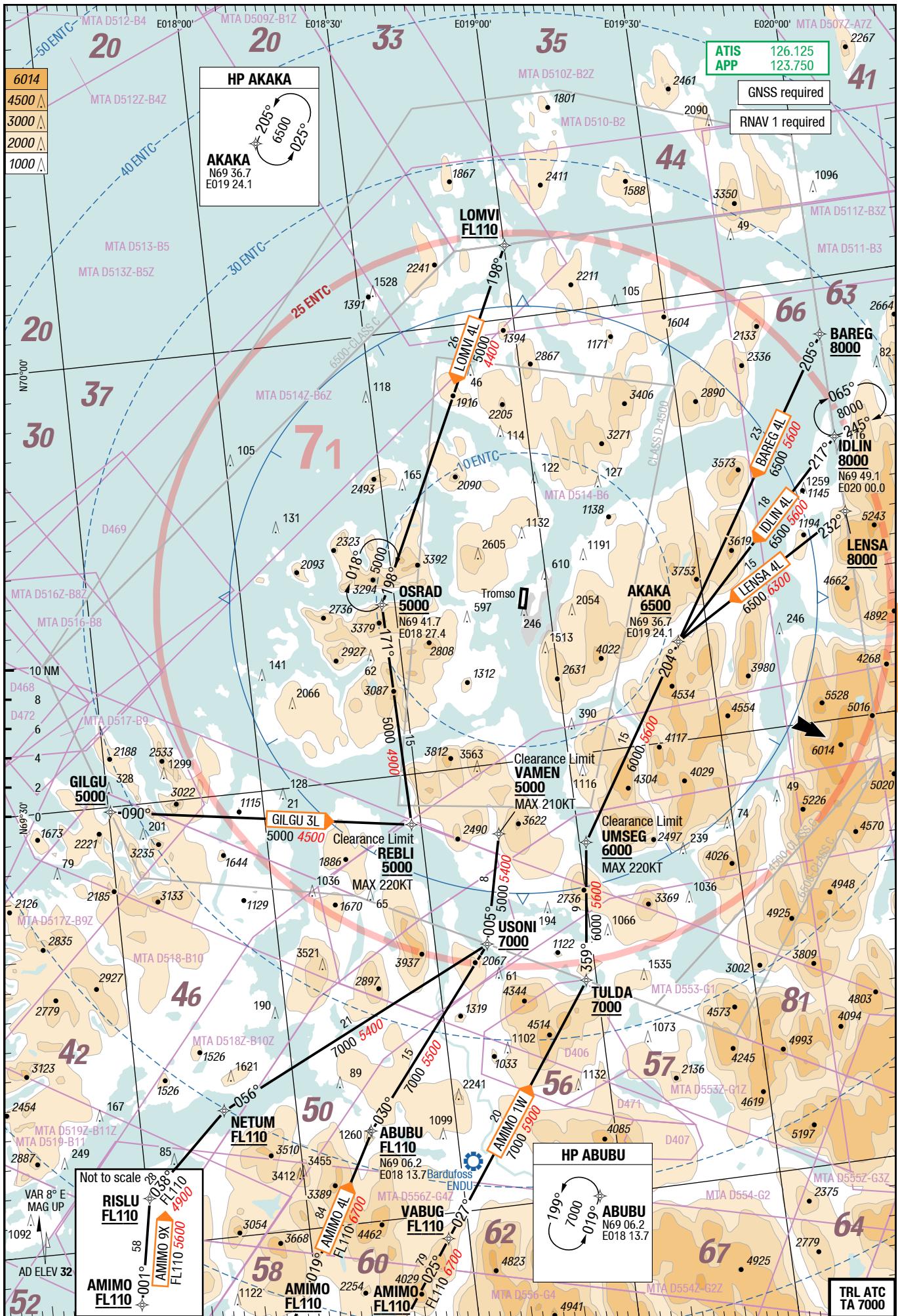
TOS-ENTC

6-10

Norway Tromsø Langnes  
RNAV STARS RWY 19

**STAR**

**Langnes Tromsø Norway**  
RNAV STARS RWY 19



09-FEB-2017

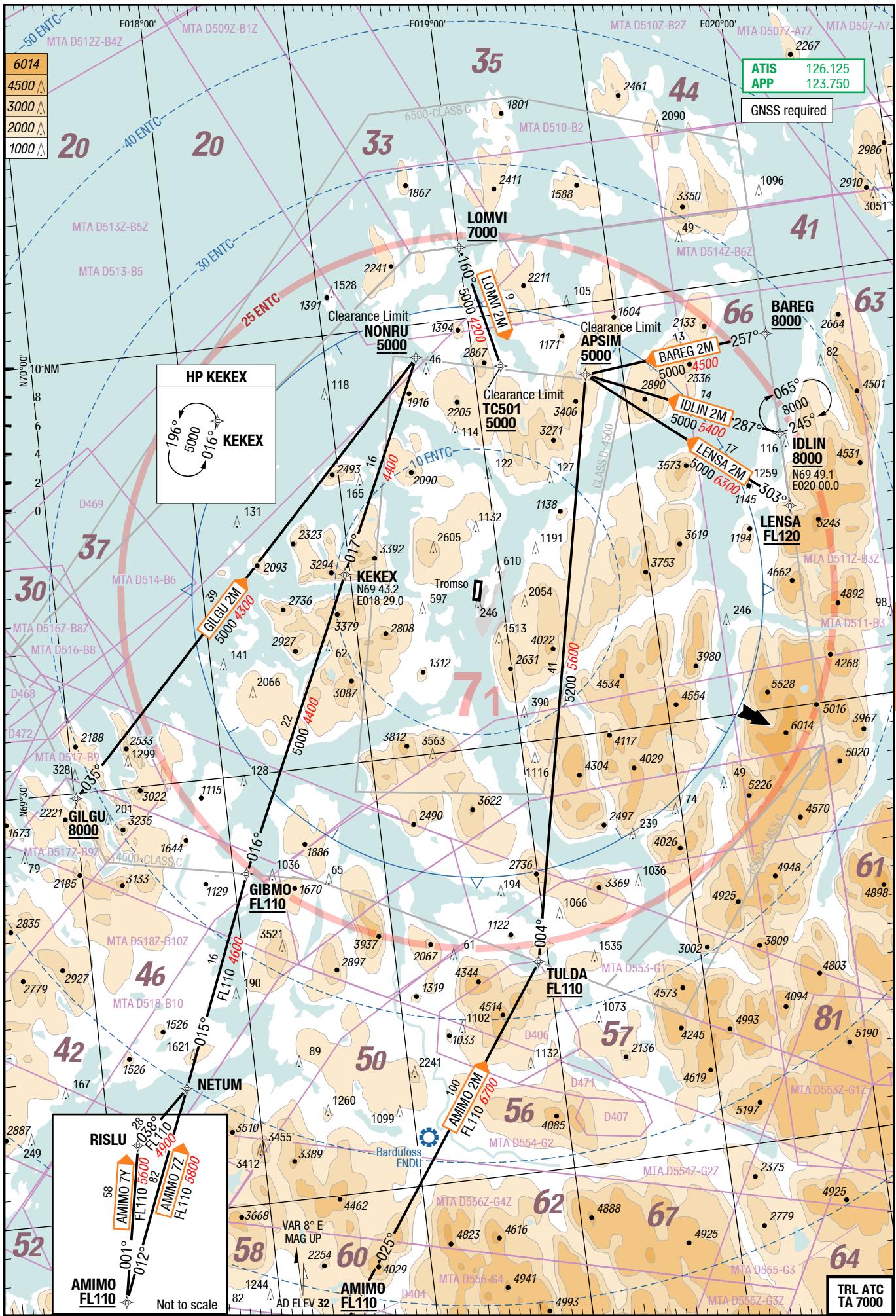
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6-20

**RNAV STARS RWY 19** Norway Tromso Langnes

**STAR**

**RNAV STARS RWY 19**  
Langnes Tromsø Norway



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TOS-ENTC

Norway Tromso Langnes

6-30

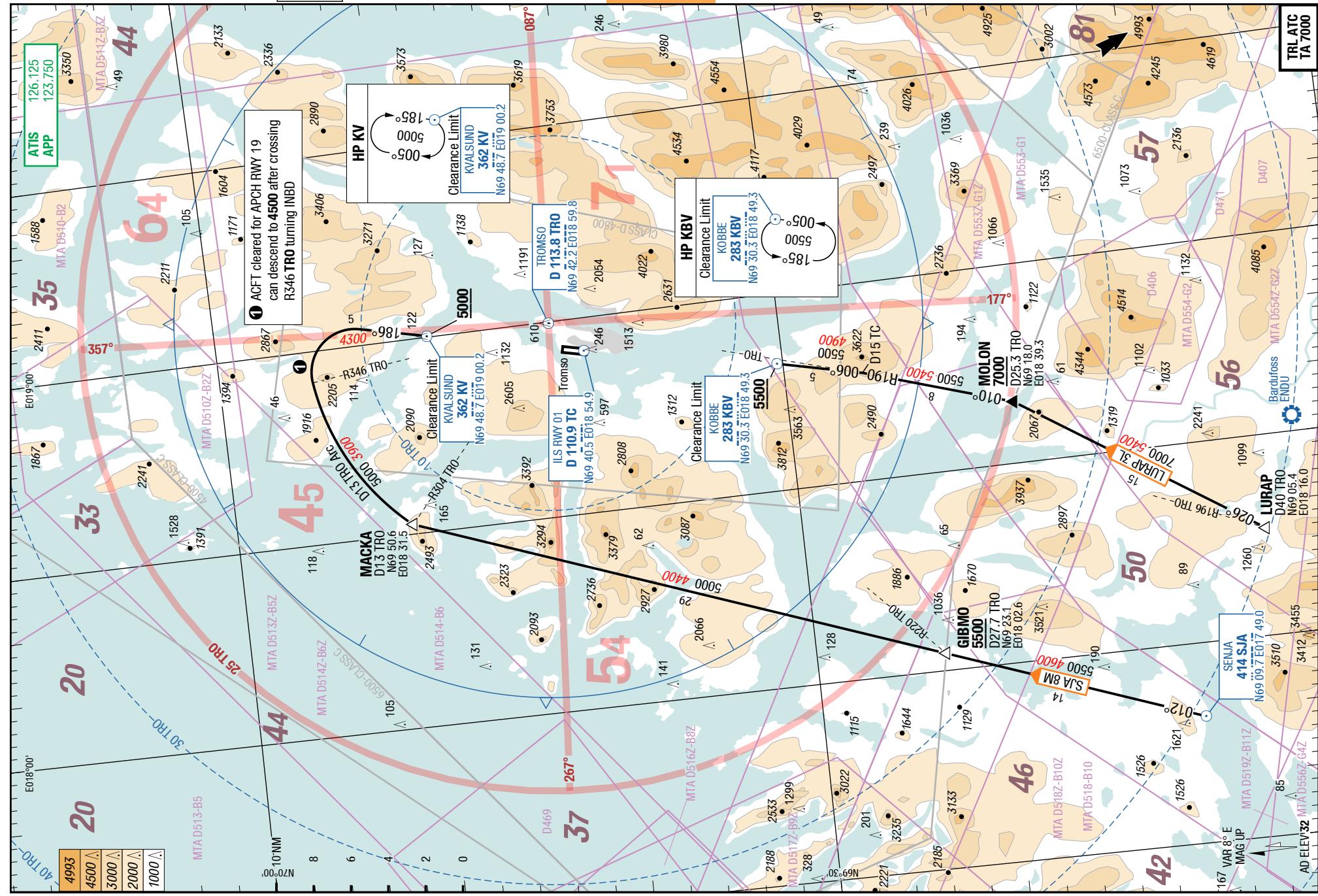
STARs RWYs 01/19

STAR

STAR

Langnes Tromso Norway

STARs RWYs 01/19



26-JAN-2017

TOS-ENTC

## Norway Tromso Langnes

[ILS or LOC 19]

7-10

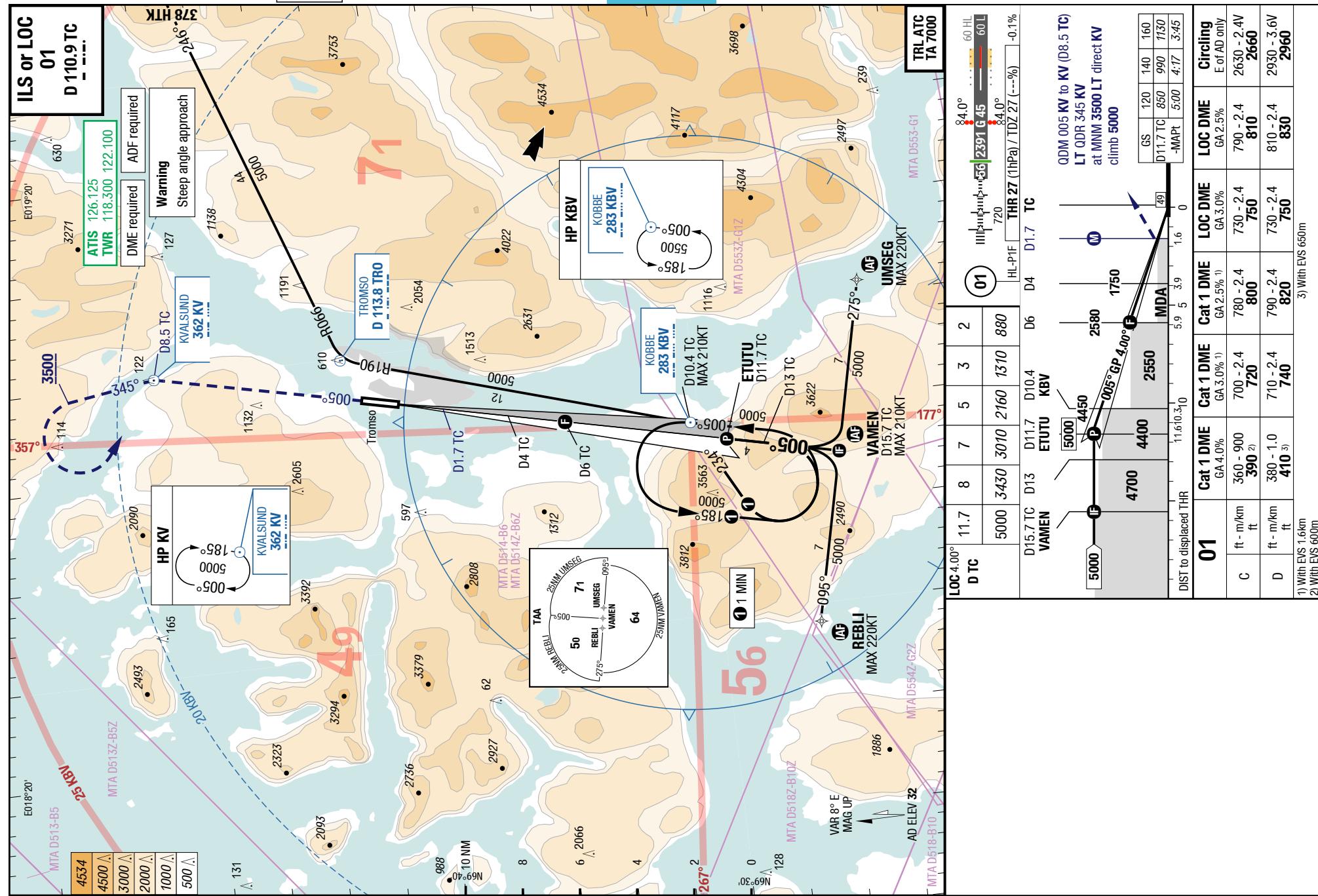
ILS or LOC 01

IAC

## Langnes Tromso Norway

[ILS or LOC 19]

ILS or LOC 01



Changes: ALT, QFU, OBST

26-JAN-2017

Norway Tromsø Langnes  
II\$ or I0C 19

Langnes Tromsø Norway  
Sorl 06:19

7-20

IAC

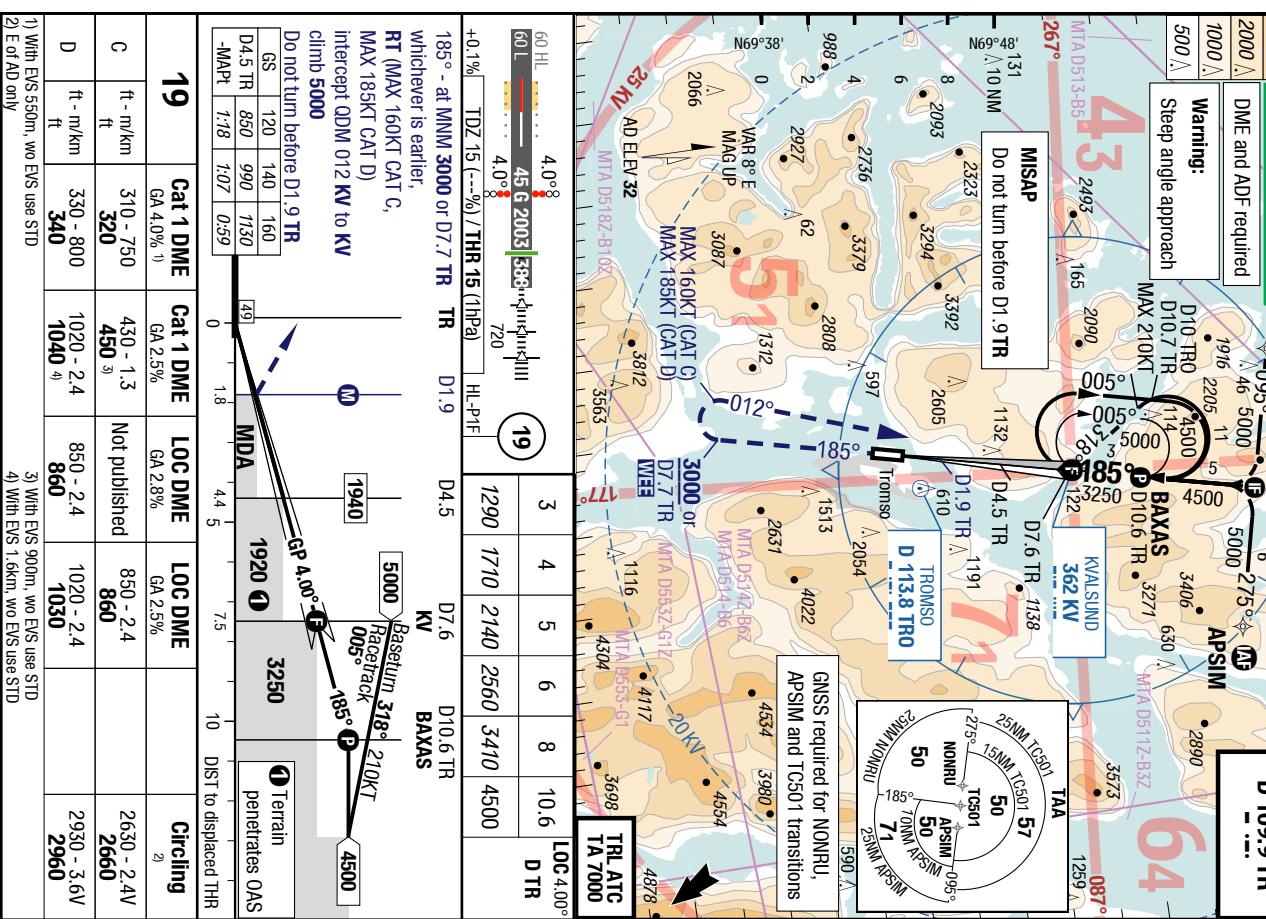
TOS-FNTC  
7-20

**ILS or LOC** 19 D 100 ft R/T

100

**ILS or LOC** 19 D 100 ft R  
4878 E018°30' N 105°51' W 1604  
4500 ▲ ATIS 126-125 E019°10' N 105°51' W 1604  
3000 ▾ TWR 118-300 122-100 NONRU TC501  
357 1394 584 1171 2867

100



### Changes: ALT, OBST, QFU

26-JAN-2017

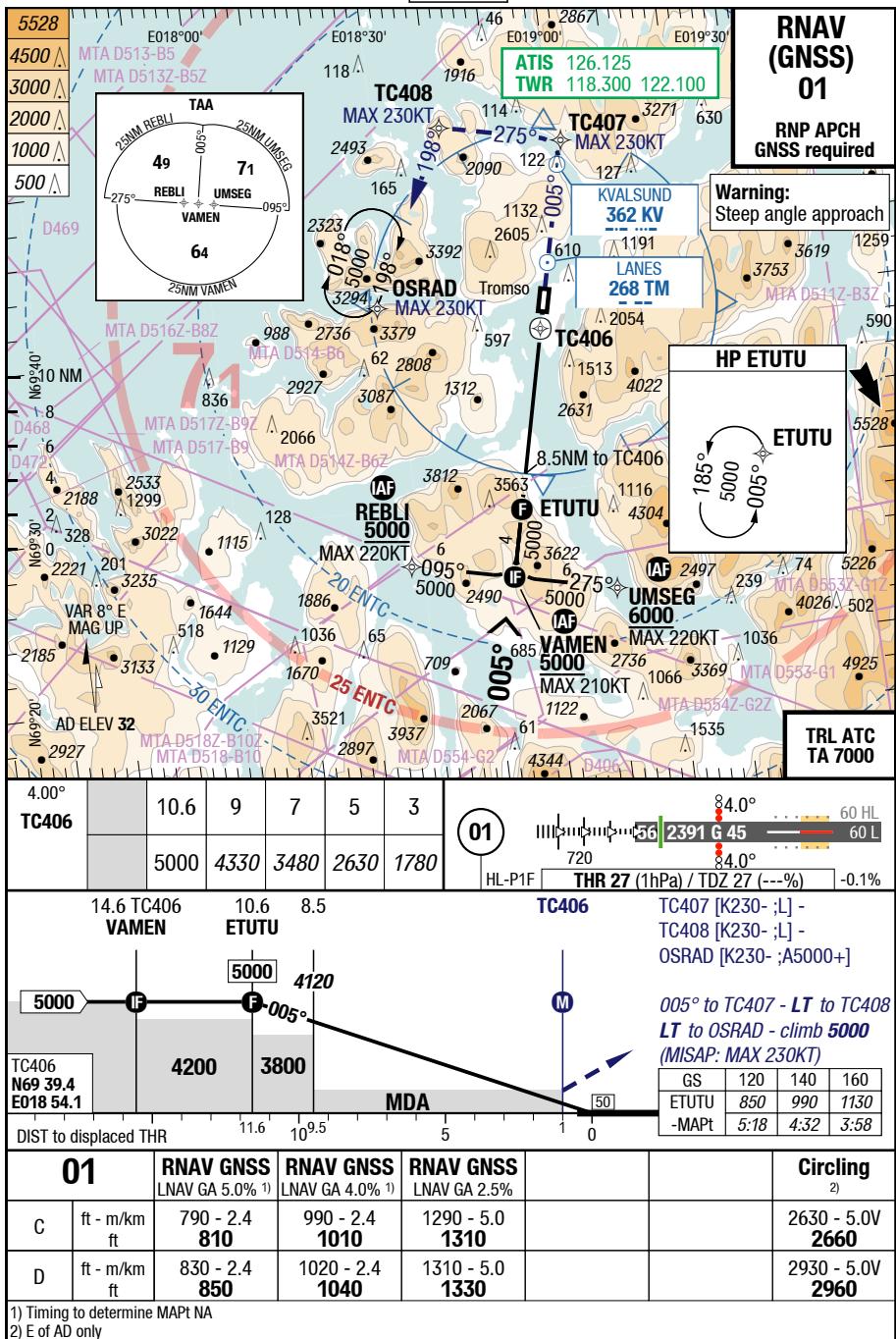
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## TOS-ENTC

7-30

## RNAV (GNSS) 01



Changes: OBST, QFU, SUAs

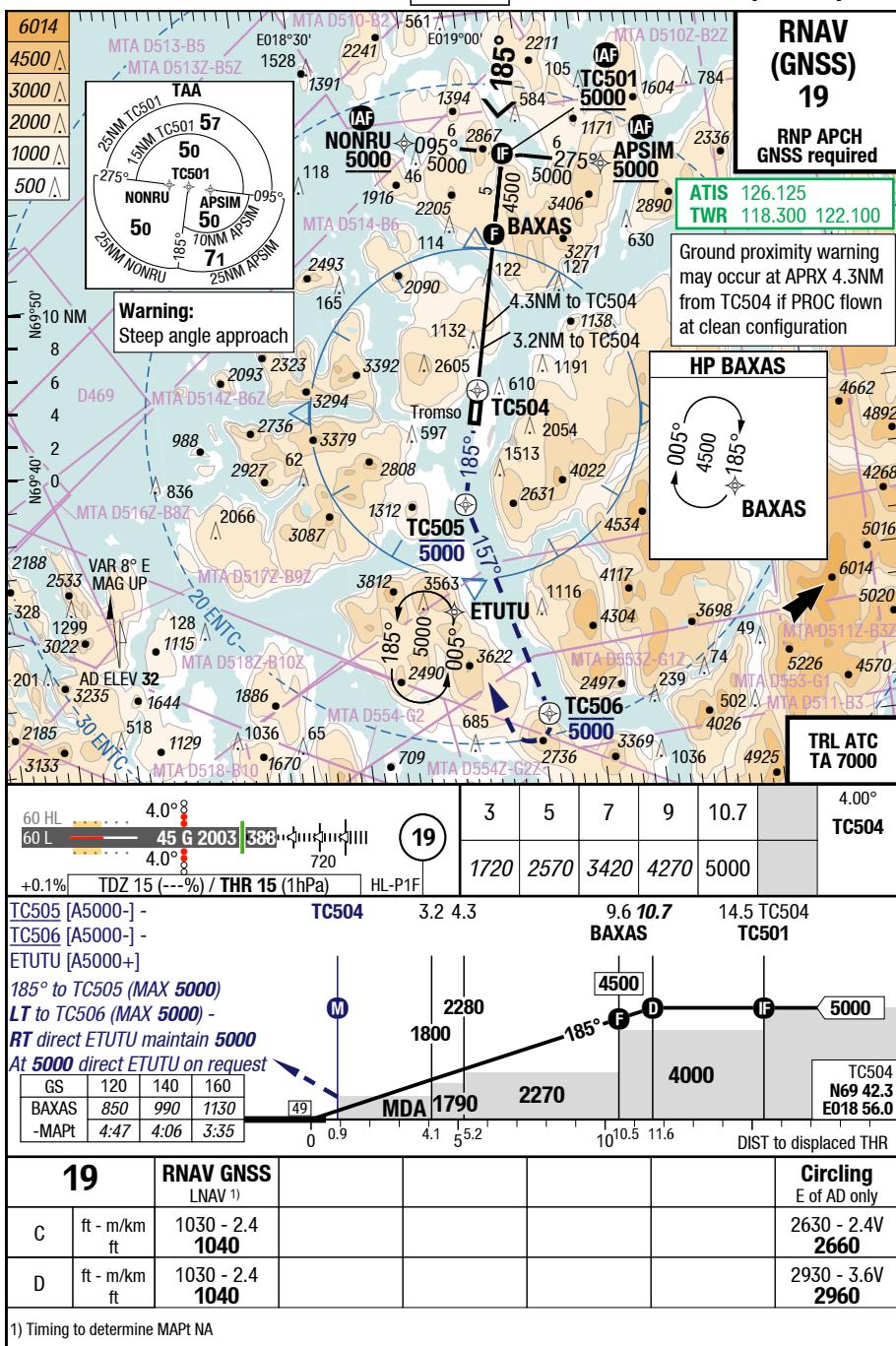
26-JAN-2017

## TOS-ENTC

7-40

## RNAV (GNSS) 19

IAC



Changes: QFU, SUAs, Note, OBST