

**GENERAL****Operational Hours**

**ATS Hours:** 0500-2200‡, other times O/R

**AD ADMIN Hours:** MON-FRI 0700-1500‡ except HOL

**Airport Information**

**RFF:** CAT 7

**Fuel:** AVBL 30min before first scheduled DEP until 30min after last scheduled DEP.

**PCN:** RWY 18/36: 45/F/B/X/U

**Customs:** O/R 1HR 30min PN on TWR.

**Operation**

**Traffic Note:** PPR for ACFT code letter D MNM 7 days before planned LDG.

**Low Visibility Procedures**

LVP in force when RVR is below 550m and/or ceiling/vertical VIS is below CAT I minima.

If ground surveillance and air surveillance is AVBL, a MAX number of 3 departing ACFT will be allowed on separate sections on TWY Y (between TWY B and A, between de-ice platform and along de-ice platform) at the same time as the RWY is being used for LDG.

If ground surveillance and air surveillance is not AVBL only 1 ACFT will be allowed on movement area at a time.

**RWY Restriction**

ACFT above 7t / 15432lbs are normally not allowed to perform 180° on RWY, except on the area S of THR 36 prior to DEP RWY 36 or after LDG RWY 18.

In special circumstances, e.g during snow clearance or TWY closures, ATC may allow 180° on RWY for ACFT above 7t / 15432lbs.

**TWY Restrictions**

TWY W1 width 18m / 59ft.

TWY B (east of Y) width 15m / 49ft.

TWY A, B west of Y, C, W2, W3 and Y AVBL up to code letter D ACFT.

TWY W1 AVBL up to code letter C ACFT.

TWY B (east of Y) AVBL up to code letter C ACFT with wheel base less than 18m / 59ft.

TWY Y CLSD south of de-icing platform.

**Taxi/Parking**

PPR required for PRKG.

Stands 1 and 15 self-maneuvring.

Follow-me AVBL.

**APU:** Use of APU shall not exceed 5min after LDG or 5min prior to DEP.

**Engine Run-up Areas**

ENG test shall be performed in the area adjacent to TWY B.

ENG test in idle thrust can be performed outside hangars when the use of the ENG test area, including taxiing, will result in a higher total noise load.

## TRF-ENTO

1-20

AOI

## ARRIVAL

## Speed

MAX IAS 250KT below FL100.

## Arrival Procedure

**Non-standard GP intercept position on****RWY 18**

GP intercepts RWY 18 at 308m / 1011ft after landing threshold.

Remaining DIST beyond GP is 2141m / 7024ft.

**RWY 36**

GP intercepts RWY 36 at 314m / 1030ft after landing threshold.

Remaining DIST beyond GP is 2135m / 7005ft.

## Warnings

Do not mistake Jarlsberg AD 8NM NNE of AD.

## DEPARTURE

**Take-off Minima**

RWY		36	
All ACFT	ft - m/km	0 - 150R	-
		0 - 400R/400V	in snow fall
RWY		18	
All ACFT	ft - m/km	0 - 250R/250V	-
		0 - 400R/400V	in snow fall

## Speed

MAX IAS 250KT below FL100.

## Communication

**COM Failure**

Maintain last assigned LVL for 2min, then climb to the cruising LVL stated in CPL. ACFT under vectoring shall continue on the last cleared and acknowledged heading and LVL for 2min, then proceed via the most direct route to join the cleared SID or route and climb to cruising LVL stated in CPL.

**During Omnidirectional Departure**

Maintain last cleared and acknowledged LVL for 2min then climb to cruising LVL stated in CPL and join cleared ATS route.

## Departure Procedure

**Noise Abatement Procedure**

After DEP from RWY 18, climb to D5 TOR or T0909 before turning on track.

## ATC Slot, Clearance

REQ CLR MAX 10min before start-up. REQ push-back only when actually ready.

**TRF-ENTO**

**1-30**

**AOI**

**AOI**

**DEPARTURE**

**De-Icing**

Inform ATC on initial contact if de-icing needed.

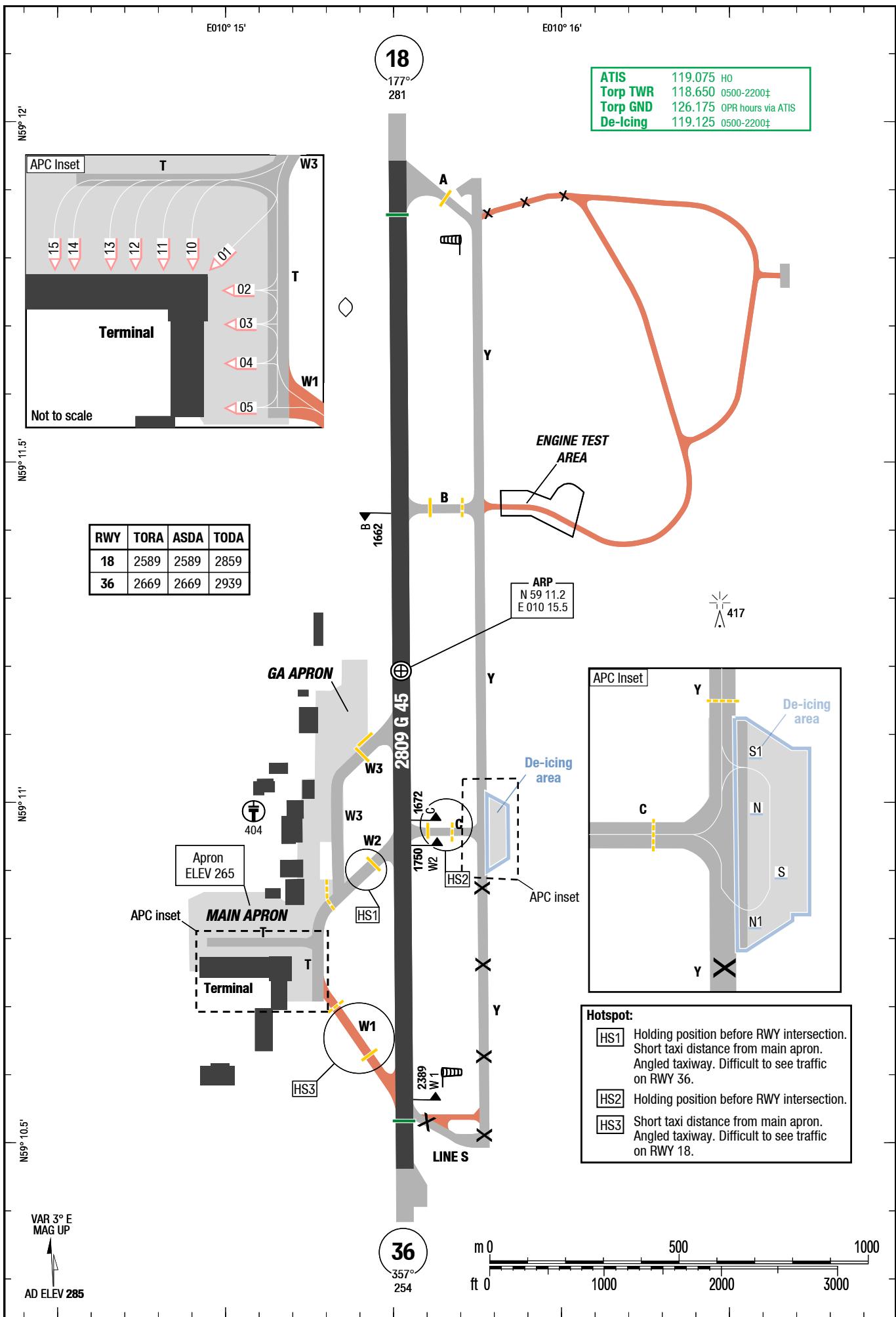
De-icing only on dedicated platform.

De-icing takes places from PSN N.

HLDG PSN N1 established for de-icing.



Changes: Completely revised



25-JAN-2018

TRF-ENTO

## Norway Sandefjord Torp

RNAV SIDs RWY 36

4-10

RNAV SIDs RWY 18

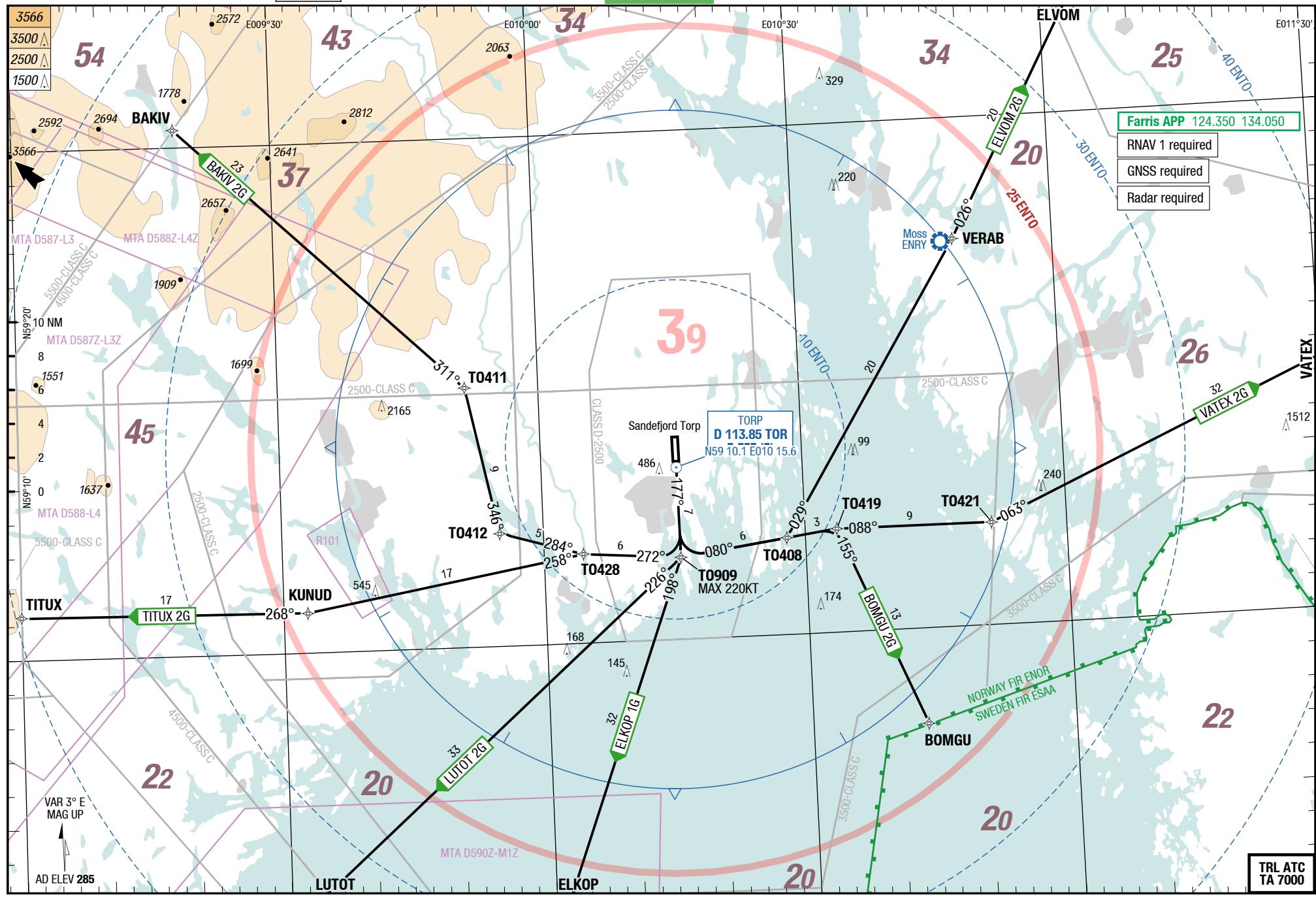
SID

SID

## Torp Sandefjord Norway

RNAV SIDs RWY 36

RNAV SIDs RWY 18



Changes: Reprint

25-JAN-2018

# Norway **Sandefjord** Torp

Torp **Sandefjord** Norway

TRF-ENTO

4-20

## **RNAV SIDs RWY 36**

## **RNAV SIDs RWY 36**

SID

**Farris APP 124.350 134.050**

- RNAV 1 required
- GNSS required
- Radar required

TRL ATC TA 7000

## Changes: Reprint

TRF-ENTO

5-10

RNAV SIDs RWY 18

BAKIV 2G / BOMGU 2G / ELKOP 1G / ELVOM 2G / LUTOT 2G / TITUX 2G / VATEX 2G

RWY 18 (177°)

When instructed, contact Farris APP.

	GS	120	150	180	210	240	270
6.6%	ft/MIN	900	1100	1300	1500	1700	1900

DESIGNATOR	ROUTING	ALTITUDES
	Runway 18	
<b>BAKIV 2G</b> 6.6% to 4000 <b>134.050</b> ①②③	T0909 [K220- ;R] - T0428 - T0412 [R] - T0411 [L] - BAKIV	<b>Initial climb 4000</b>
<b>BOMGU 2G</b> 6.6% to 4000 <b>134.050</b> ①②③	T0909 [K220- ;L] - T0419 [R] - BOMGU	<b>Initial climb 4000</b>
<b>ELKOP 1G</b> 6.6% to 4000 <b>134.050</b> ①②③	T0909 [K220- ;R] - ELKOP	<b>Initial climb 4000</b>
<b>ELVOM 2G</b> 6.6% to 4000 <b>134.050</b> ①②③	T0909 [K220- ;L] - T0408 [L] - VERAB - ELVOM	<b>Initial climb 4000</b>
<b>LUTOT 2G</b> 6.6% to 4000 <b>134.050</b> ①②③	T0909 [K220- ;R] - LUTOT	<b>Initial climb 4000</b>
<b>TITUX 2G</b> 6.6% to 4000 <b>134.050</b> ①②③	T0909 [K220- ;R] - T0428 - KUNUD - TITUX	<b>Initial climb 4000</b>
<b>VATEX 2G</b> 6.6% to 4000 <b>134.050</b> ①②③	T0909 [K220- ;L] - T0419 - T0421 [L] - VATEX	<b>Initial climb 4000</b>

- ① If unable to comply with climb gradient, inform ATC.
- ② NON-RNAV 1 ACFT: At first contact with TWR, state "Unable RNAV 1" due to.... OMNI-DIRECTIONAL DEPARTUREs available.
- ③ Close-in OBST (trees) in DER area (end of CWY) E and W of extended RWY CL.

TRF-ENTO

5-20

RNAV SIDs RWY 36

**BAKIV 3H / BOMGU 2H / ELKOP 1H / ELVOM 2H / LUTOT 2H / TITUX 2H / VATEX 2H**  
**RWY 36 (357°)**

When instructed, contact Farris APP.

	GS	120	150	180	210	240	270
6.6%	ft/MIN	900	1100	1300	1500	1700	1900

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 36</b>	
<b>BAKIV 3H</b> 6.6% to 4000 <b>134.050</b> <b>①②③</b>	T0903 [K203- ;L] - BAKIV	<b>Initial climb 4000</b>
<b>BOMGU 2H</b> 6.6% to 4000 <b>134.050</b> <b>①②③</b>	T0903 [K203- ;R] - T0917 [R] - T0419 - BOMGU	<b>Initial climb 4000</b>
<b>ELKOP 1H</b> 6.6% to 4000 <b>134.050</b> <b>①②③</b>	T0903 [K203- ;L] - T0916 [L] - T0412 [L] - ELKOP	<b>Initial climb 4000</b>
<b>ELVOM 2H</b> 6.6% to 4000 <b>134.050</b> <b>①②③</b>	T0903 [K203- ;R] - VERAB [L] - ELVOM	<b>Initial climb 4000</b>
<b>LUTOT 2H</b> 6.6% to 4000 <b>134.050</b> <b>①②③</b>	T0903 [K203- ;L] - T0916 [L] - T0412 - LUTOT	<b>Initial climb 4000</b>
<b>TITUX 2H</b> 6.6% to 4000 <b>134.050</b> <b>①②③</b>	T0903 [K203- ;L] - T0916 [L] - T0412 [R] - KUNUD [R] - TITUX	<b>Initial climb 4000</b>
<b>VATEX 2H</b> 6.6% to 4000 <b>134.050</b> <b>①②③</b>	T0903 [K203- ;R] - VERAB [R] - VATEX	<b>Initial climb 4000</b>

- ① If unable to comply with climb gradient, inform ATC.
- ② NON-RNAV 1 ACFT: At first contact with TWR, state "Unable RNAV 1" due to.... OMNI-DIRECTIONAL DEPARTUREs available.
- ③ Close-in OBST (trees) in DER area (end of CWY) E and W of extended RWY CL.

TRF-ENTO

5-30

DEPARTUREs

SIDPT

**DEPARTUREs**

	GS	120	150	180	210	240	270
6.6%	ft/MIN	900	1100	1300	1500	1700	1900

RWY	Routing
OMNI 2G	<b>RWY 18</b> 6.6% to <b>4000</b> (if unable to comply, inform ATC)  177° - expect further clearance from ATC MNM turn ALT <b>1500</b> initial climb <b>4000</b>
OMNI 2H	<b>RWY 36</b> 6.6% to <b>4000</b> (if unable to comply, inform ATC)  357° - expect further clearance from ATC MNM turn ALT <b>1500</b> initial climb <b>4000</b>
RWY	Notes
18 / 36	1. When instructed, contact Farris APP.

**Effective 26-MAY-2016**

19-MAY-2016

TRF-ENTO

# Norway Sandefjord Torp

**RNAV STARs RWY 36**

Torp Sandefjord Norway

**RNAV STARs RWY 36**

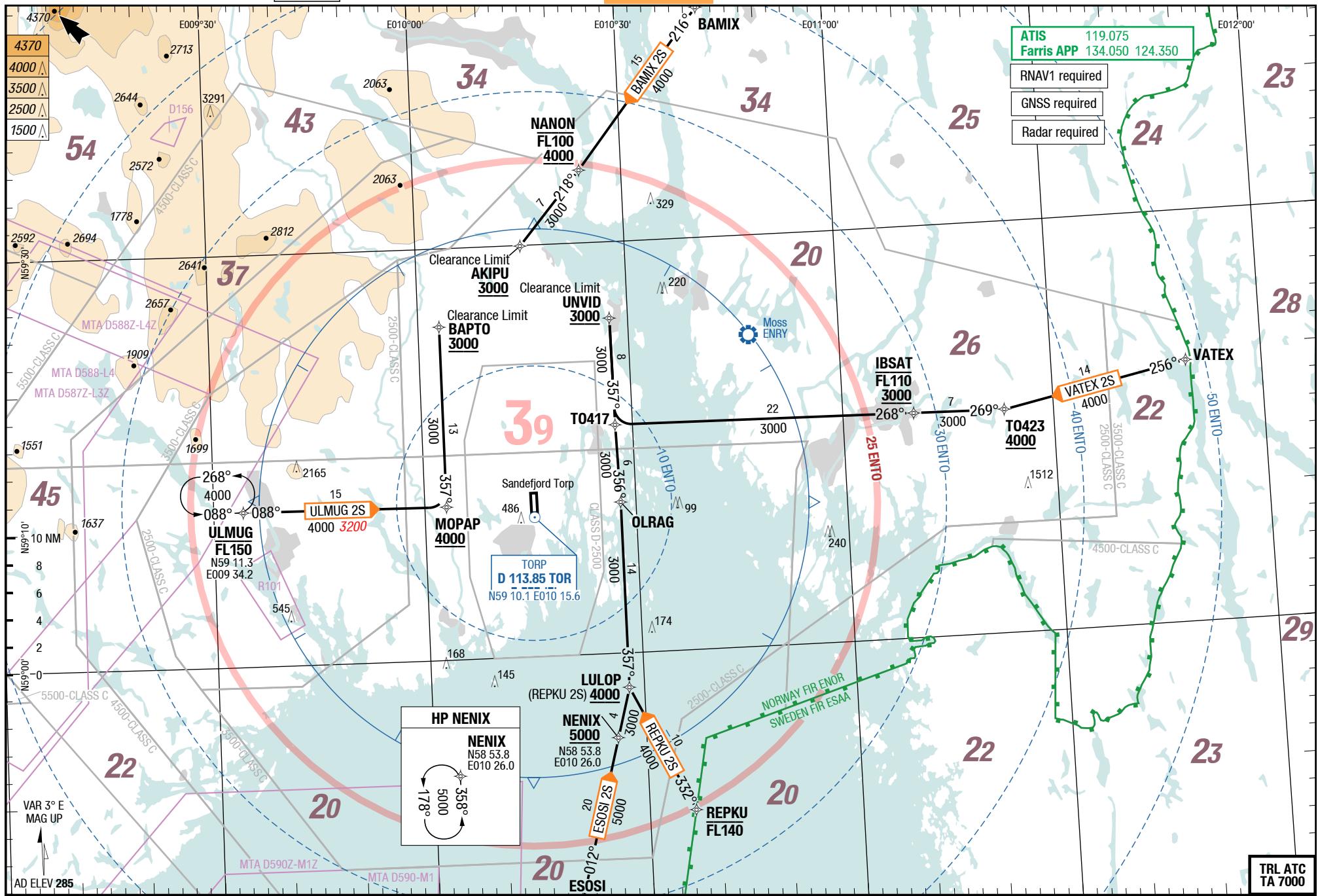
5-10

**RNAV STARS RWY 18**

STAR

STAR

## **RNAV STARs RWY 18**



## Changes: Completely revised

Effective 26-MAY-2016

19-MAY-2016

# Norway Sandefjord Torp

TRF-ENTO

6-20

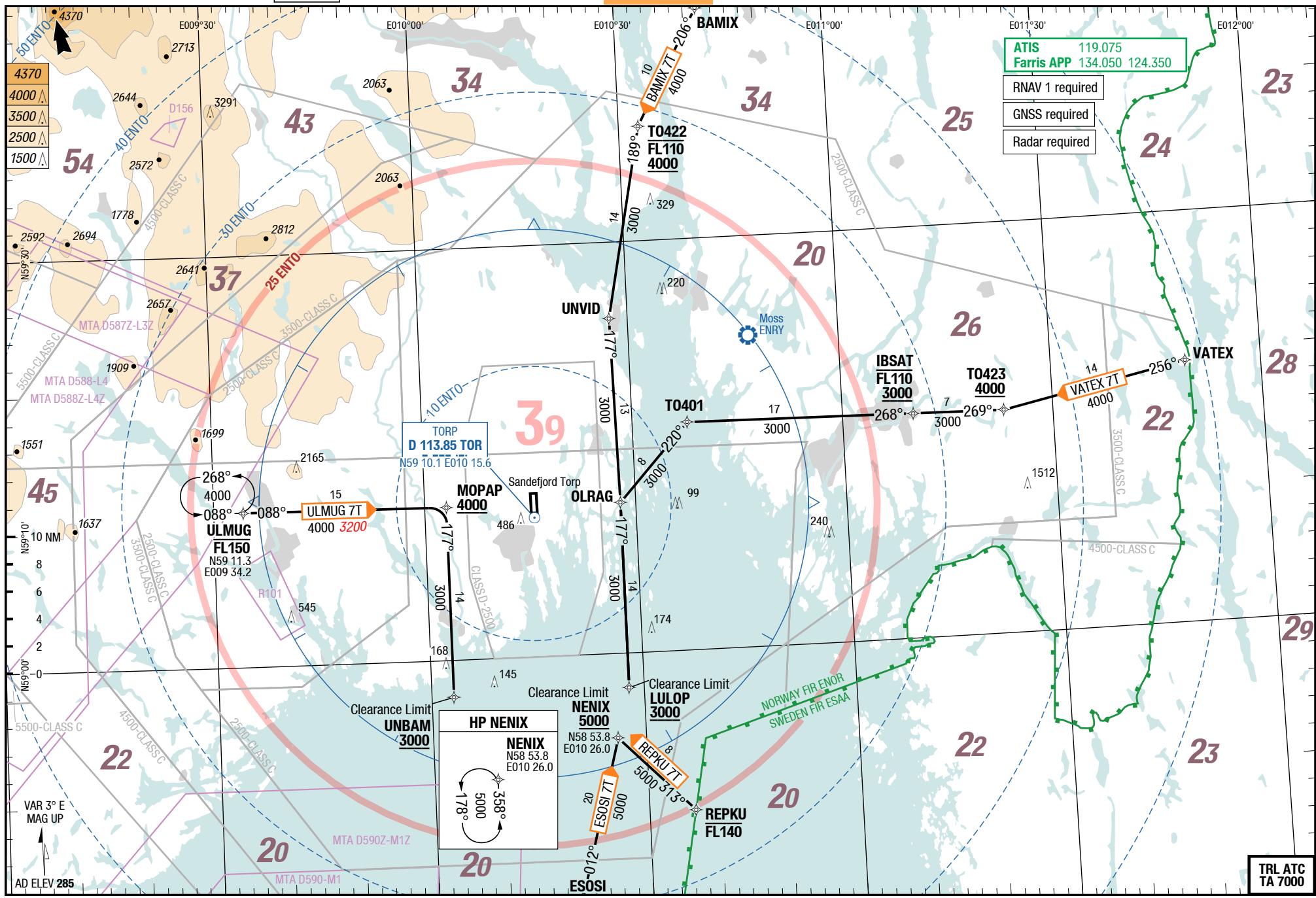
RNAV STARs RWY 36

STAR

STAR

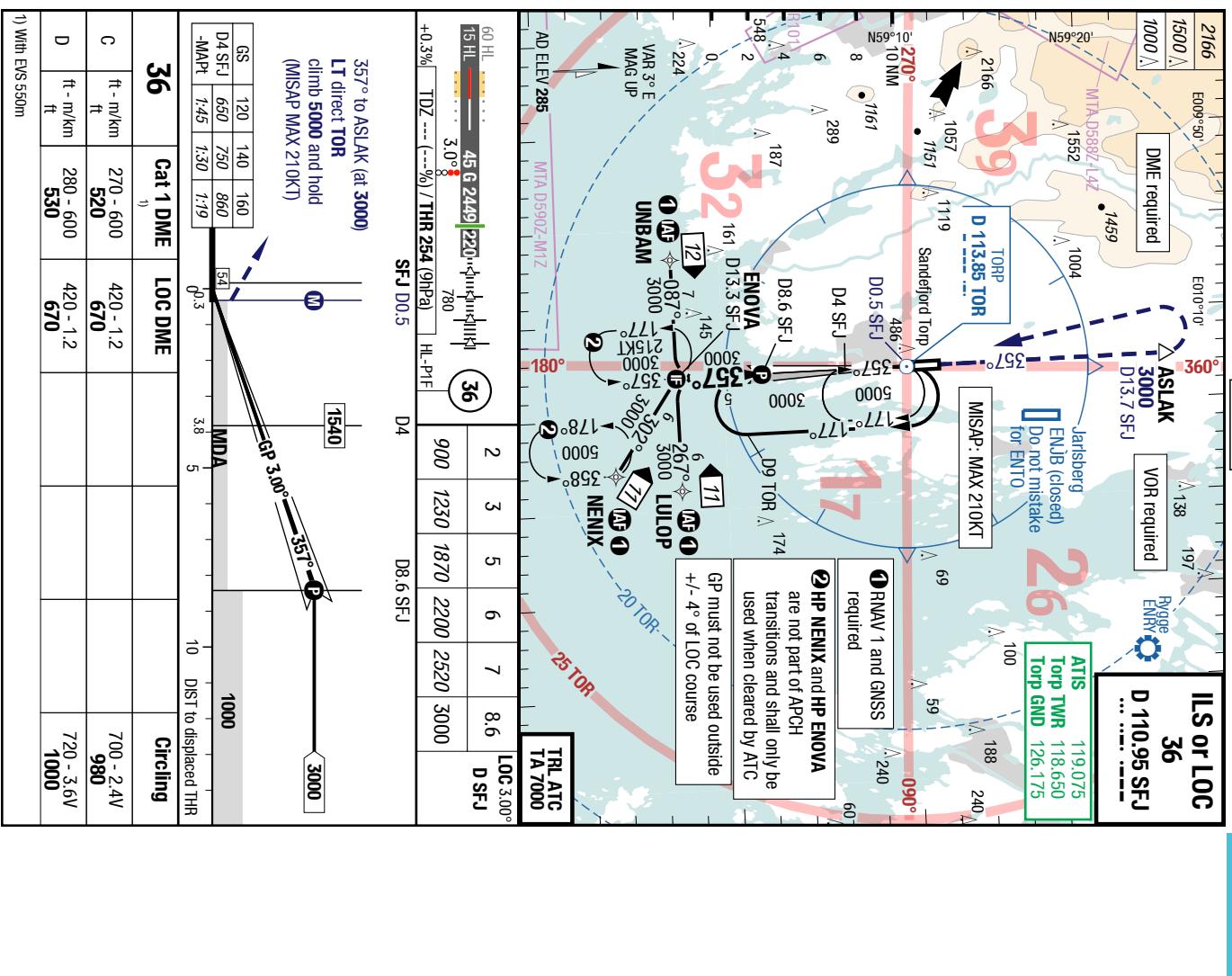
Torp Sandefjord Norway

RNAV STARs RWY 36



Changes: Completely revised





**Effective 13-SEP-2018**

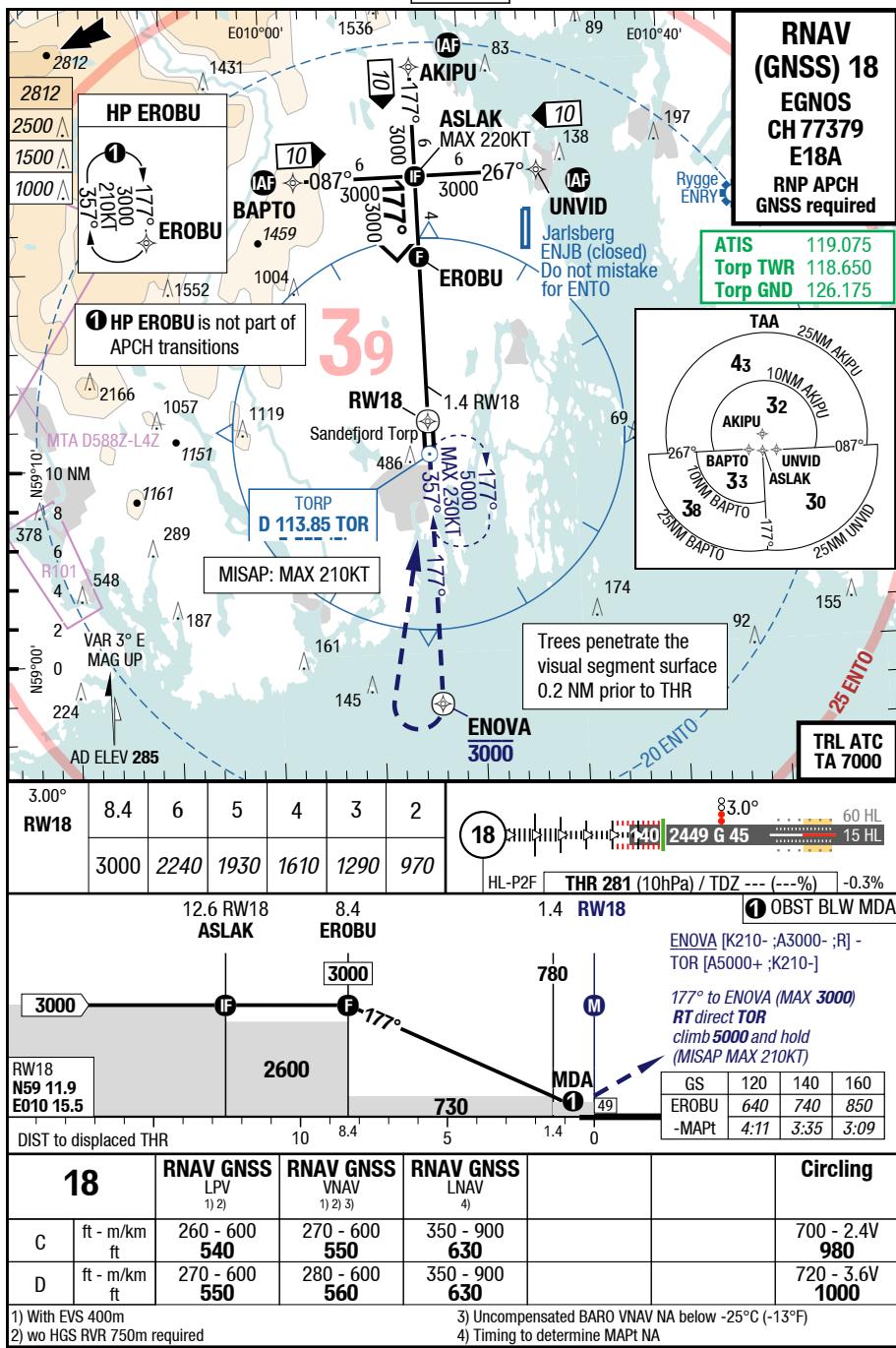
06-SEP-2018

# Norway Sandefjord Torp

TRF-ENTO

7-30

RNAV (GNSS) 18



Effective 13-SEP-2018

06-SEP-2018

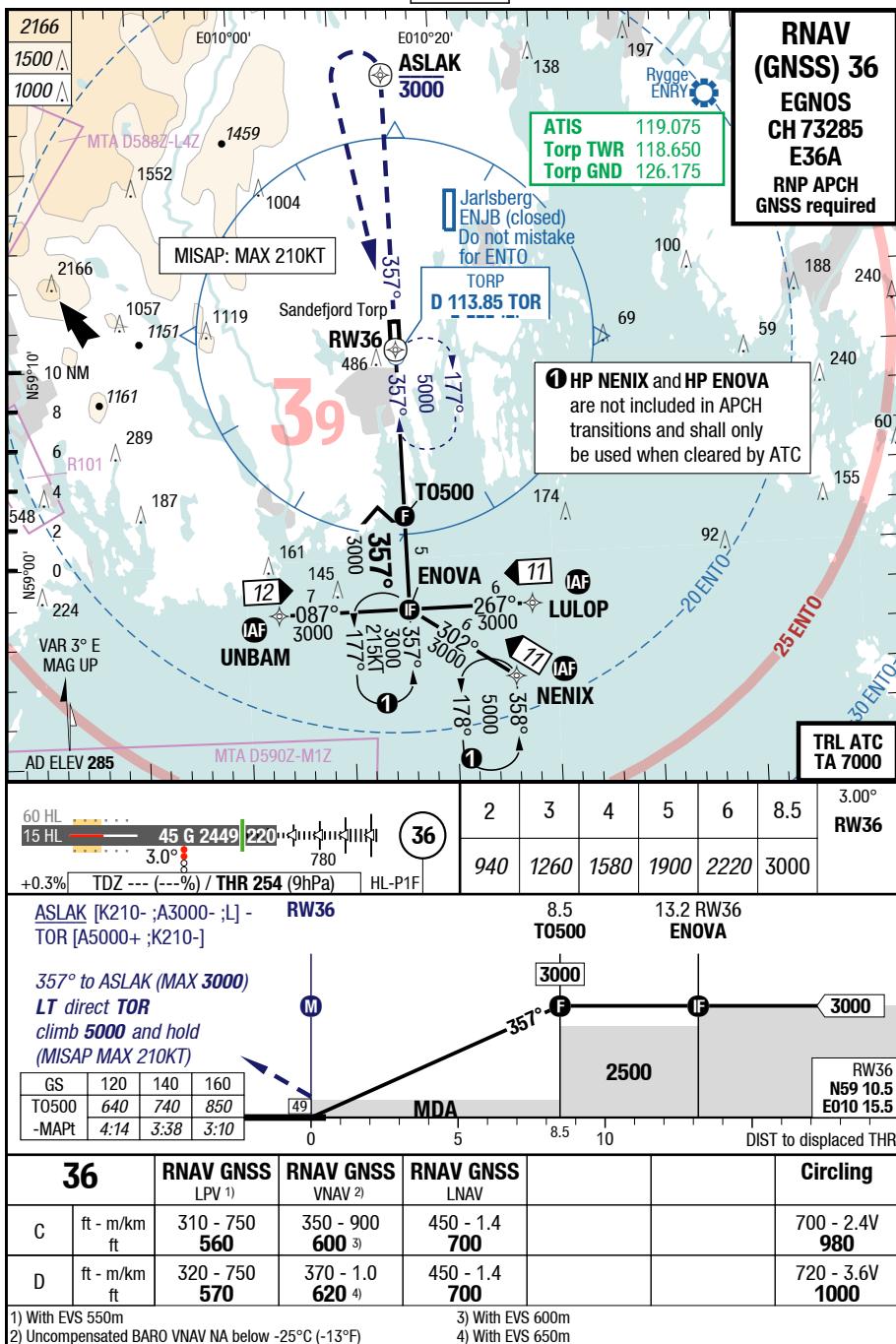
Norway Sandefjord Torp

## TRF-ENTO

7-40

## RNAV (GNSS) 36

IAC



Changes: Nil

**Effective 13-SEP-2018**

06-SEP-2018

TRF-ENTO

Norway **Sandefjord** Torp

14

VOR 18

7-50

## Changes: APL

Effective 13-SEP-2018

06-SEP-2018

Norway Sandefjord Torp

TRF-ENTO

7-60

VOR 36

