

**GENERAL****Operational Hours****ATS Hours:**

MON-THU 0530-1420‡, 1730-1820‡

FRI 0530-1420‡, 1730-1850‡

SAT CLSD,

SUN 1300-1820‡

**AD ADMIN Hours:** MON-FRI 0700-1400‡, EXC HOL**Airport Information****RFF:** CAT 4 SKED and charter flights, other TFC CAT 1-4 AVBL on 10min O/R, CAT 5/6 2 days PN**PCN:** RWY 13/31: 30/F/C/X/U**Customs:** O/R, MON-FRI 0700-1430‡ 3HRs PN**Operation****Qualification/Certification:** Special pilot qualification/certification required.**Traffic Note**

AD approved for MAX ACFT CAT C, for higher code ACFT PPR from Norwegian CAA.

Except for EMERG situations AD shall not be used by ACFT with wingspan exceeding 41m / 135ft. Exceptions may be granted with PPR with 8 weeks PN.

**TWY Restriction**

TWY B width 18m / 59ft.

**Warnings**

Aiming point marking slippery when wet.

Wind shear may occur on short final RWY 13 and 31, even when indicated surface wind is weak.

Down draft may occur on final RWY 13 when wind from S-SW above 20KT.

**ARRIVAL****Speed**

MAX IAS 250KT below FL100.

**Communication****COM Failure****During MISAP**

ILS or LOC RWY 31: Climb straight ahead to 3500ft. Turn right to 038° to intercept QDR 358° RS. At D13 RO, turn right direct to RBU. Enter RBU HLDG climbing to 6000ft.

**DEPARTURE****Take-off Minima**

RWY		13/31	
A, B, C	ft - m/km	0 - 550R/550V	HJ only
		0 - 800R/800V	HN
D		Not applicable	-

**Speed**

MAX IAS 250KT below FL100.

**Communication****COM Failure**

Maintain last assigned LVL until passing point described for each SID (e.g. VEVOD for VEVOD 1E), 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**

AVBL O/R.

Effective 17-AUG-2017

10-AUG-2017

RRS-ENRO

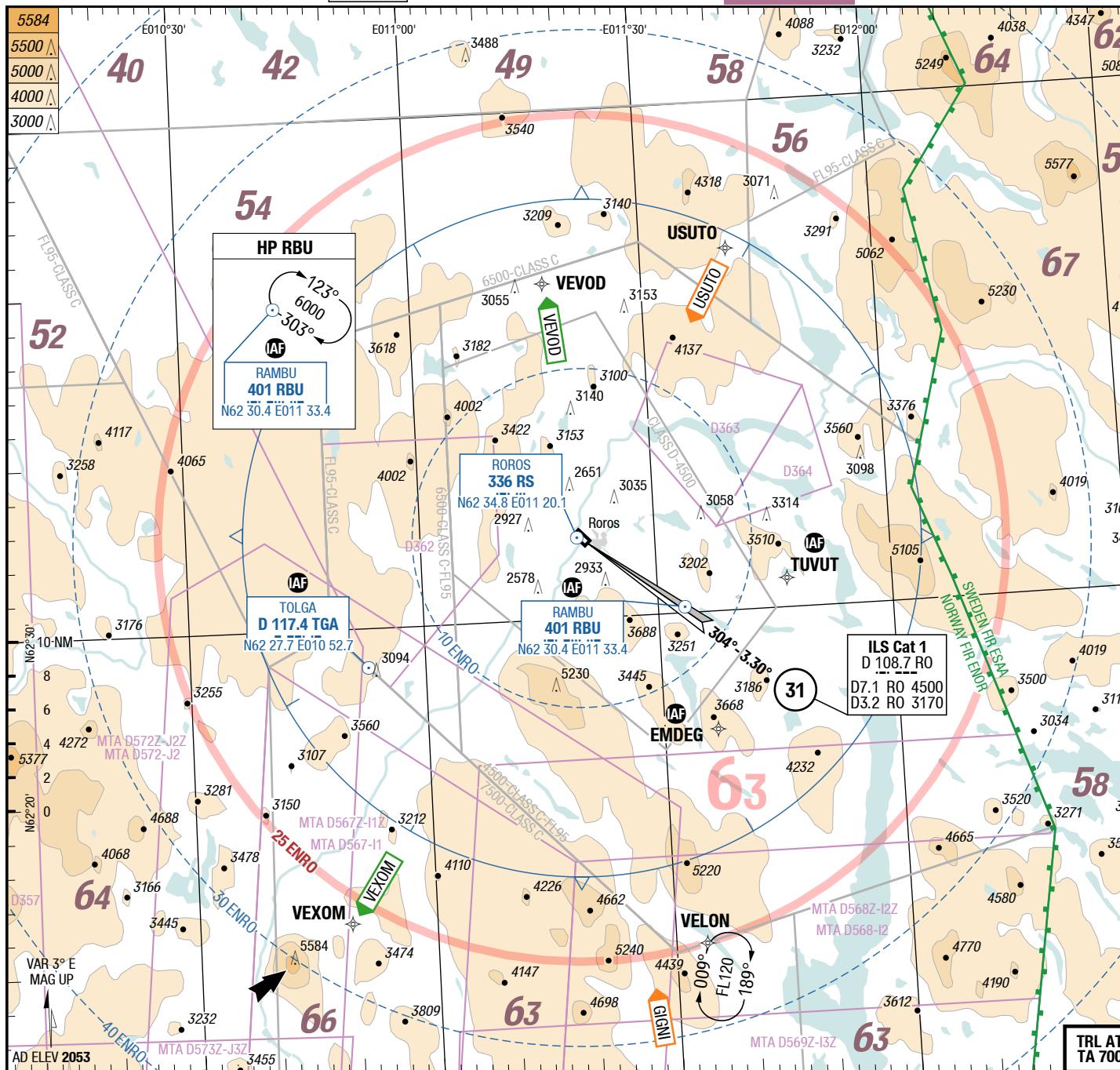
Norway Roros

AGC  
AFC

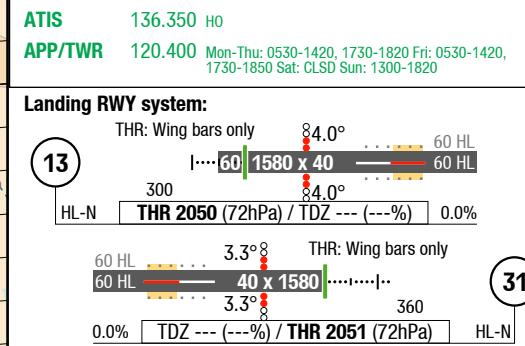
Roros Norway

AGC  
AFC

2-10



Changes: RWY Designator, FREQ, MGA, SUAs, THR ELEV, OBST



Effective 17-AUG-2017

10-AUG-2017

RRS-ENRO

Norway Roros

AGC

Roros Norway

AGC

3-20

E011°20'

E011°21'

13

133°  
2050



ROROS  
336 RS

1720 x 40

ARP  
N 62 34.7  
E 011 20.7

RWY	TORA	ASDA	TODA
13	1640	1640	1720
31	1580	1580	1580

N62°35'

COORDINATES

1, 2 N62 34.6 E011 21.2  
3, 4 N62 34.6 E011 21.1



A

B

HANGAR

APRON

31

313°  
2051



VAR 3° E  
MAG UP

AD ELEV 2053

m 0 250 500  
ft 0 500 1000 1500

Changes: RWY Designator, FREQ, THR ELEV

ATIS 136.350 HO

APP/TWR 120.400 Mon-Thu: 0530-1420, 1730-1820  
Fri: 0530-1420, 1730-1850 Sat: CLSD  
Sun: 1300-1820

14-JUN-2018

RRS-ENRO

4-10

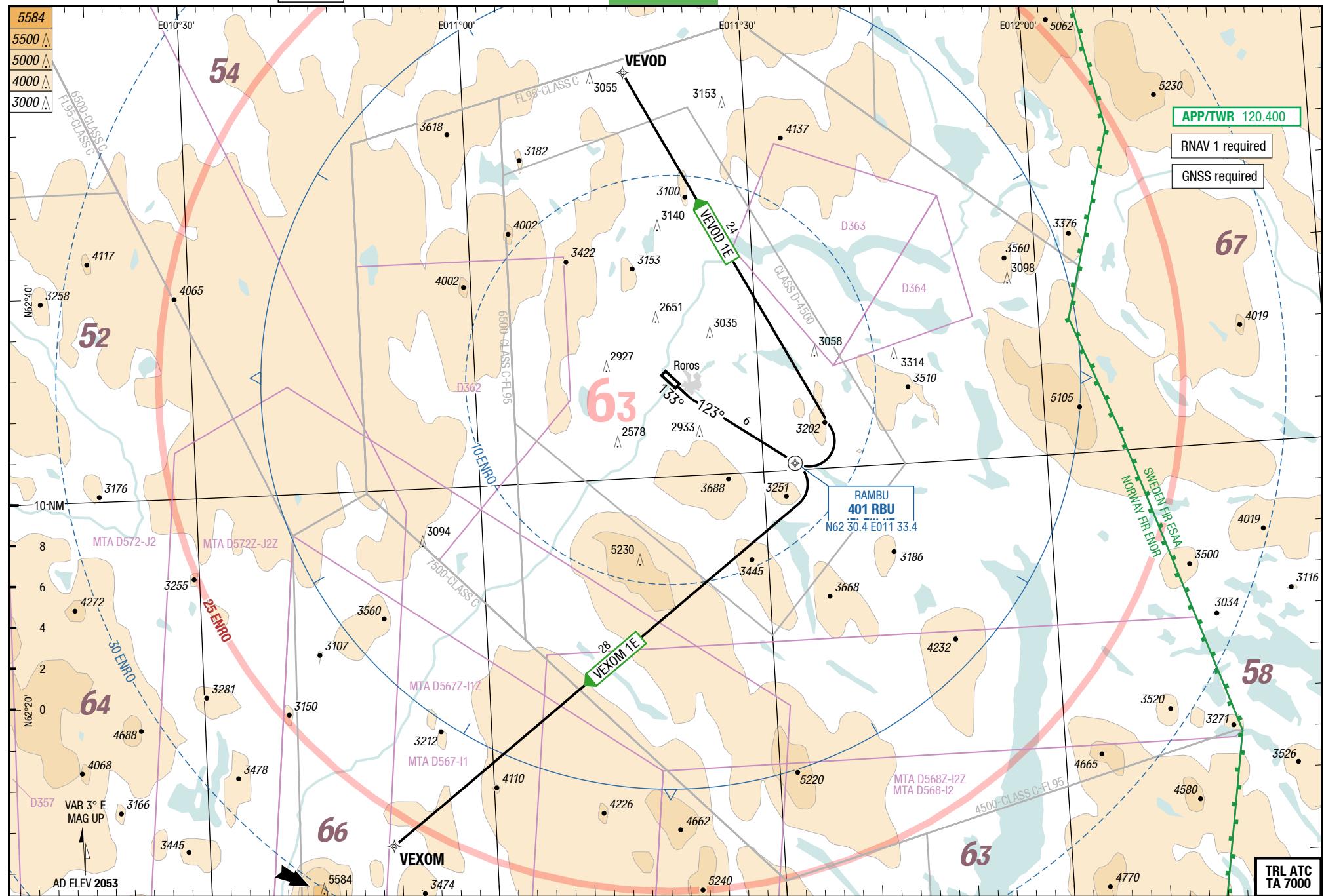
Norway Roros  
RNAV SIDs RWY 31  
**RNAV SIDs RWY 13**

Roros Norway

**RNAV SIDs RWY 31**

**RNAV SIDs RWY 13**

10



14-JUN-2018

RRS-ENRO

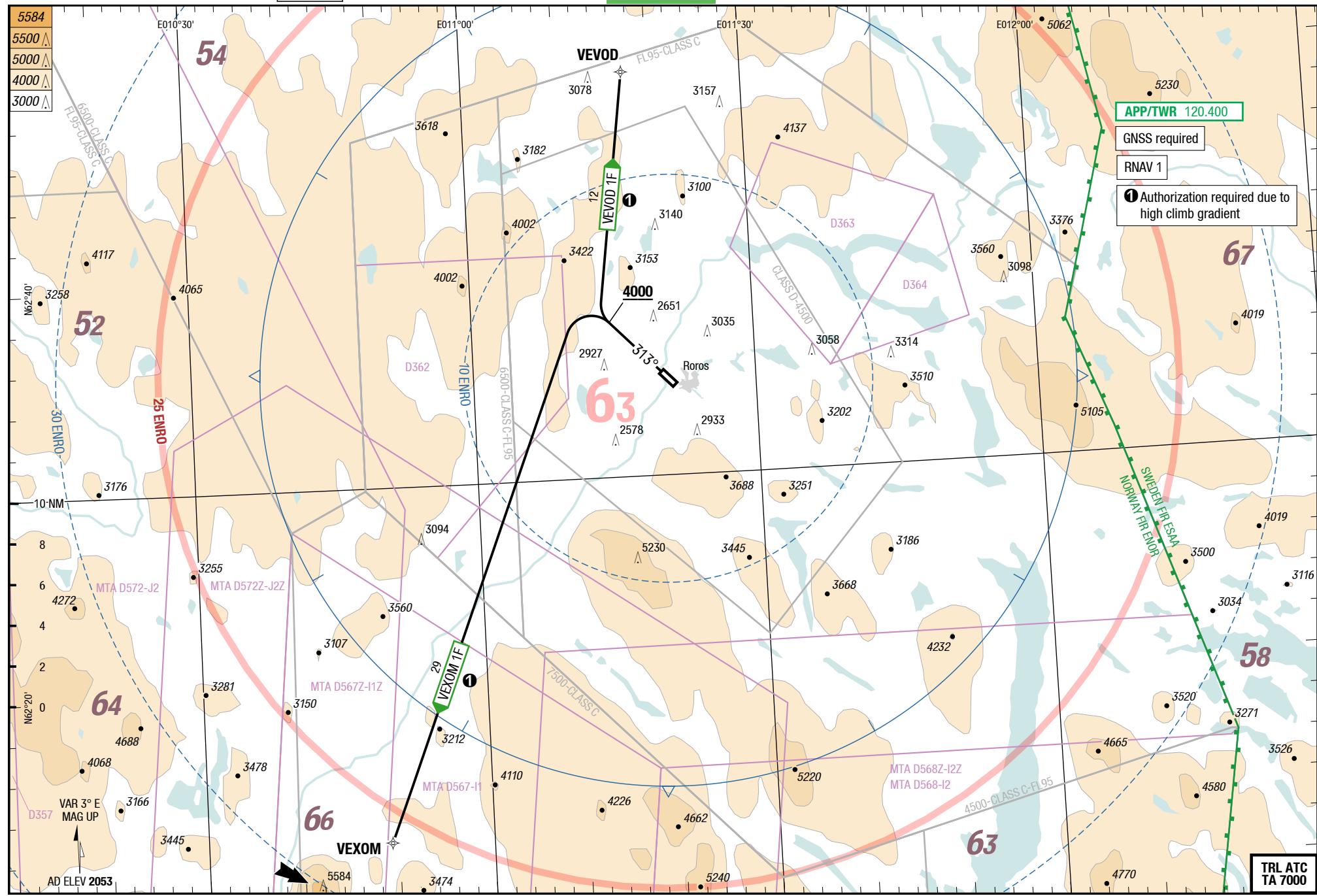
4-20

Norway Roros

## RNAV SIDs RWY 31

Roros Norway

## **RNAV SIDs RWY 31**



14-JUN-2018

## RRS-ENRO

5-10

## RNAV SIDs RWY 13

## VEVOD 1E / VEXOM 1E

RWY 13 (133°)

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

DESIGNATOR	ROUTING	ALTITUDES
	Runway 13	
<b>VEVOD 1E</b> 6.5% to 4500 <b>120.400</b> ①②③	LT 123° to RBU - LT direct VEVOD	initial climb 7000
<b>VEXOM 1E</b> 6.5% to 5000 <b>120.400</b> ①②③	LT 123° to RBU - RT direct VEXOM	initial climb 7000

- ① When being vectored or cleared for DCT routing, the climb gradient still applies.
- ② Non-RNAV 1 ACFT: At first contact state "Unable RNAV 1". OMNIDIRECTIONAL DEP available.
- ③ If unable to comply with climb gradient, inform ATC

14-JUN-2018

**RRS-ENRO****5-20****RNAV SIDs RWY 31****VEVOD 1F / VEXOM 1F**

RWY 31 (313°)

	GS	120	150	180	210	240	270
	9.0%	ft/MIN	1100	1400	1700	2000	2200
							2500

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 31</b>	
<b>VEVOD 1F</b> 9.0% to 4000 <b>120.400</b> ①②③④⑤	at MNM 4000 RT direct VEVOD	<b>initial climb 7000</b>
<b>VEXOM 1F</b> 9.0% to 4000 <b>120.400</b> ①②③④⑤	at MNM 4000 LT direct VEXOM	<b>initial climb 7000</b>

- ① Authorization required due to high climb gradient.
- ② When being vectored or cleared for DCT routing, climb gradient still applies.
- ③ Non-RNAV 1 ACFT: At first contact state "Unable RNAV 1". OMNIDIRECTIONAL DEP available.
- ④ Close-in obstacles: Raising terrain immediately after THR 13, requires more than 9.0% climb gradient, and must be avoided visually or by other means.
- ⑤ If unable to fly PROC due to MNM climb gradient, inform ATC. An approved CLP may then be used to reach safe ALT.

## DEPARTUREs

	GS	120	150	180	210	240	270	
7.0%	ft/MIN	900	1100	1300	1500	1800	2000	
10.0%	ft/MIN	1300	1600	1900	2200	2500	2800	

## RWY

## Routing

OMNI 2E

**RWY 13**

7.0% to 5000

(If unable to comply, inform ATC)

118° -Expect further clearance from ATC.

MNM turn ALT **5000**initial climb **7000**

OMNI 2F

**RWY 31**

10.0% to 4000

(If unable to comply, inform ATC)

313° -Expect further clearance from ATC.

MNM turn ALT **4000**initial climb **7000**

## RWY

## Notes

**13**

1. When being vectored or cleared for DCT routing, climb gradient still applies.

**31**1. When being vectored or cleared for DCT routing, climb gradient still applies.  
2. Close-in obstacles: Terrain in immediate proximity to THR 13 requires more than 10.0% climb gradient, and must be avoided visually or by other means.

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RRS-ENRO

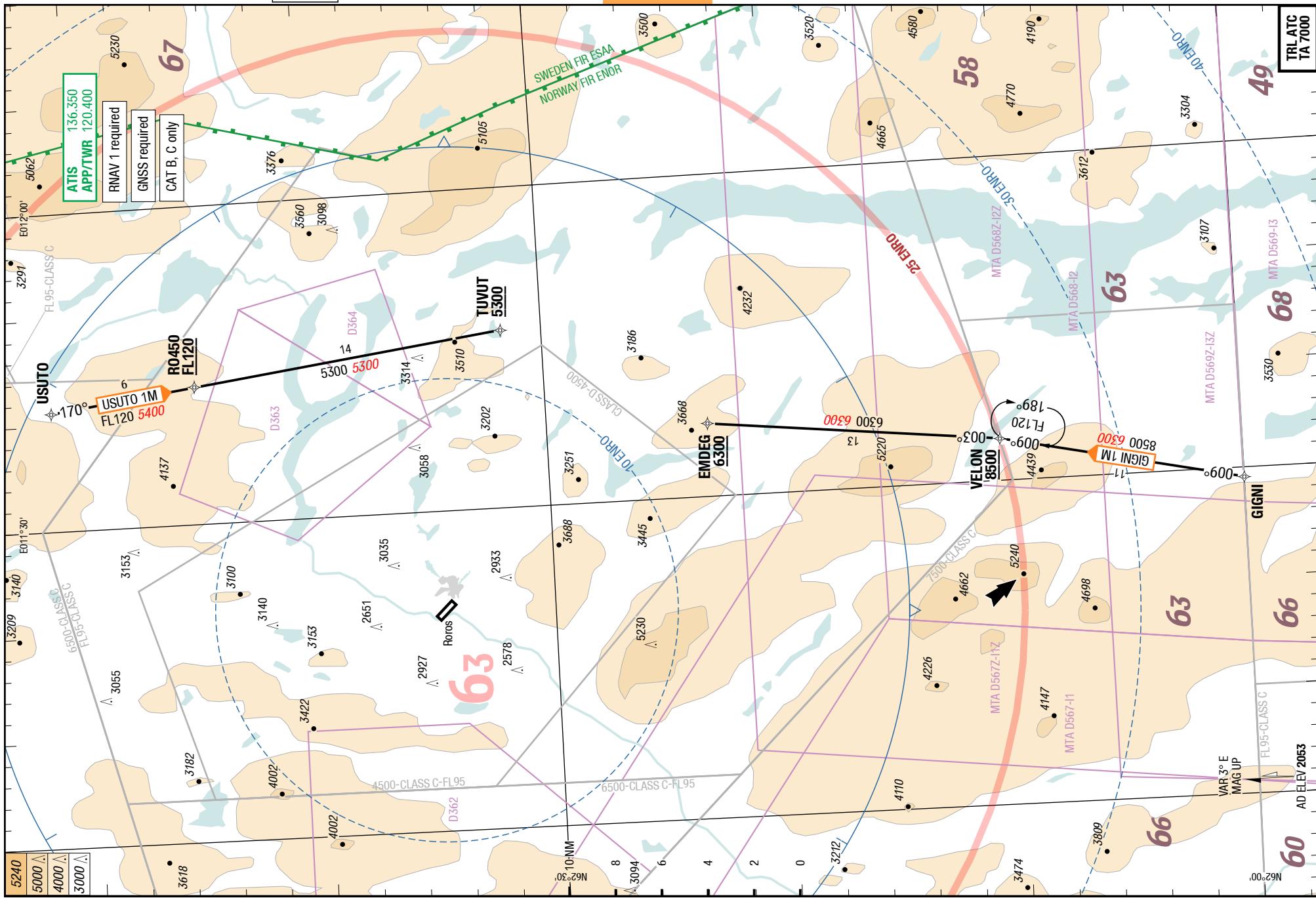
6-10

Norway Roros  
RNAV STARs RWY 31

STAR  
NIL

Roros Norway

RNAV STARs RWY 31



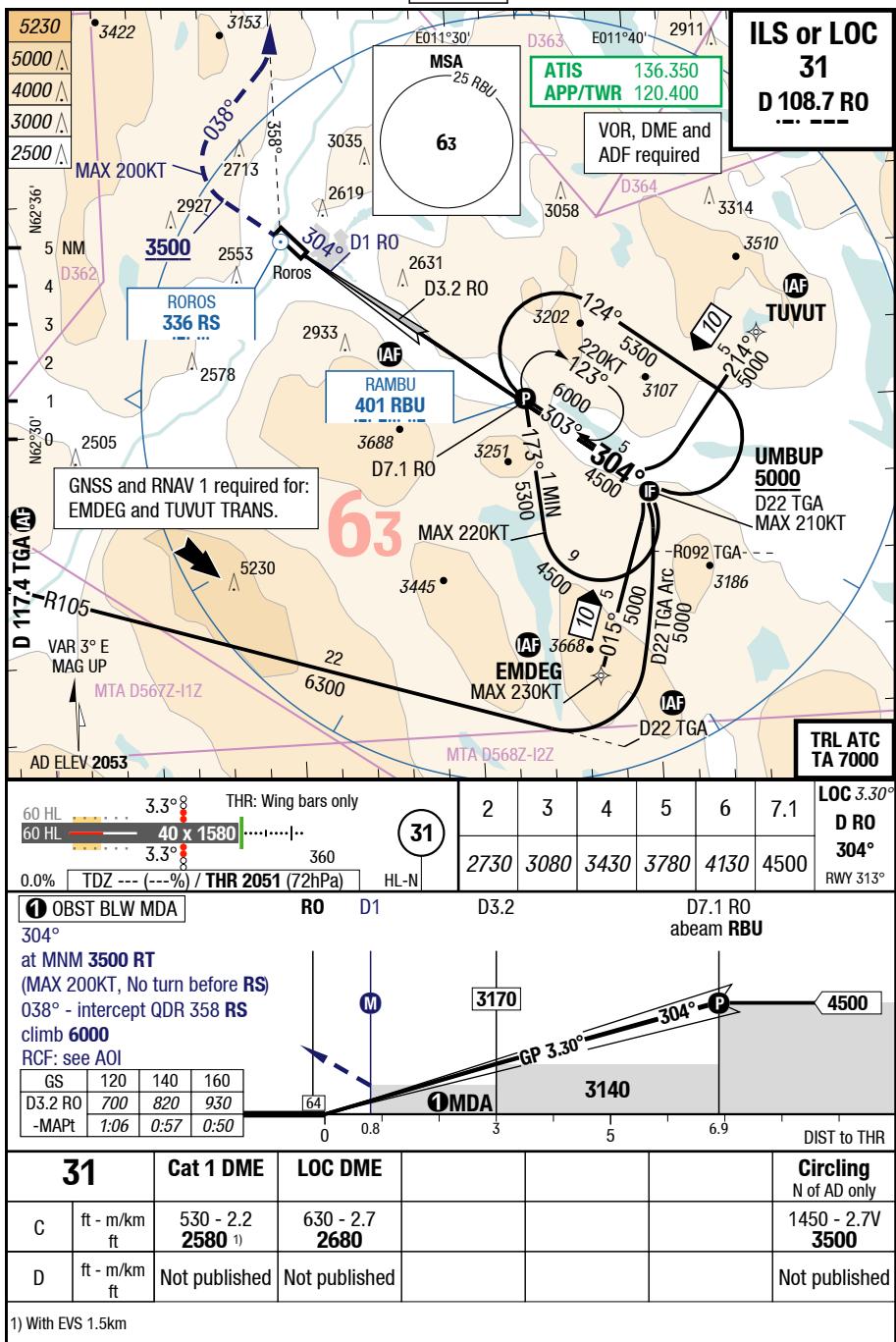
Changes: RWY Designator, chart title, ALT, MGA, SUAs, OBST

18-JAN-2018

## RRS-ENRO

7-10

## ILS or LOC 31



RRS-ENRO

7-30

RNAV (GNSS) 31

**RNAV  
(GNSS) 31**

**ATIS** 136.35  
**APP/TWR** 120.40

**RNAV (GNSS) 31**  
RNP APCH  
GNSS required

**ATIS** 136.350  
**APP/TWR** 120.400

**TAA: No direct entry at UMBUP. Descent in HLDG required.**

**VAR 3° E MAG UP**

**AD ELEV 2053**

**MTA D567Z-I1Z**  
**MTA D568Z-I2Z**

**3.3° 8** THR: Wing bars only  
**40 x 1580**  
**3.3° 8** 360  
**0.0%** TDZ --- (---%) / THR 2051 (72hPa)

**31**

	3	4	5	6	7	9.1	3.3° RO400 304° RWY 313°
3160	3510	3860	4220	4570	5300		

**1 OBST BLW MDA**

**RO400** 3.5      **KUVUM** 6.8      **UMBUP** 9.1

**RT 360° climb 6000**

**M** 3330      **D** 4500      **F** 5300

**GS** 120 140 160  
**KUVUM** 700 820 930  
**-MAPt** 3.24 2.55 2.33

**31**      **RNAV GNSS LNAV**

C	ft - m/km ft	810 - 3.6 <b>2860</b>					1450 - 3.6V <b>3500</b>
D	ft - m/km ft	Not published					Not published

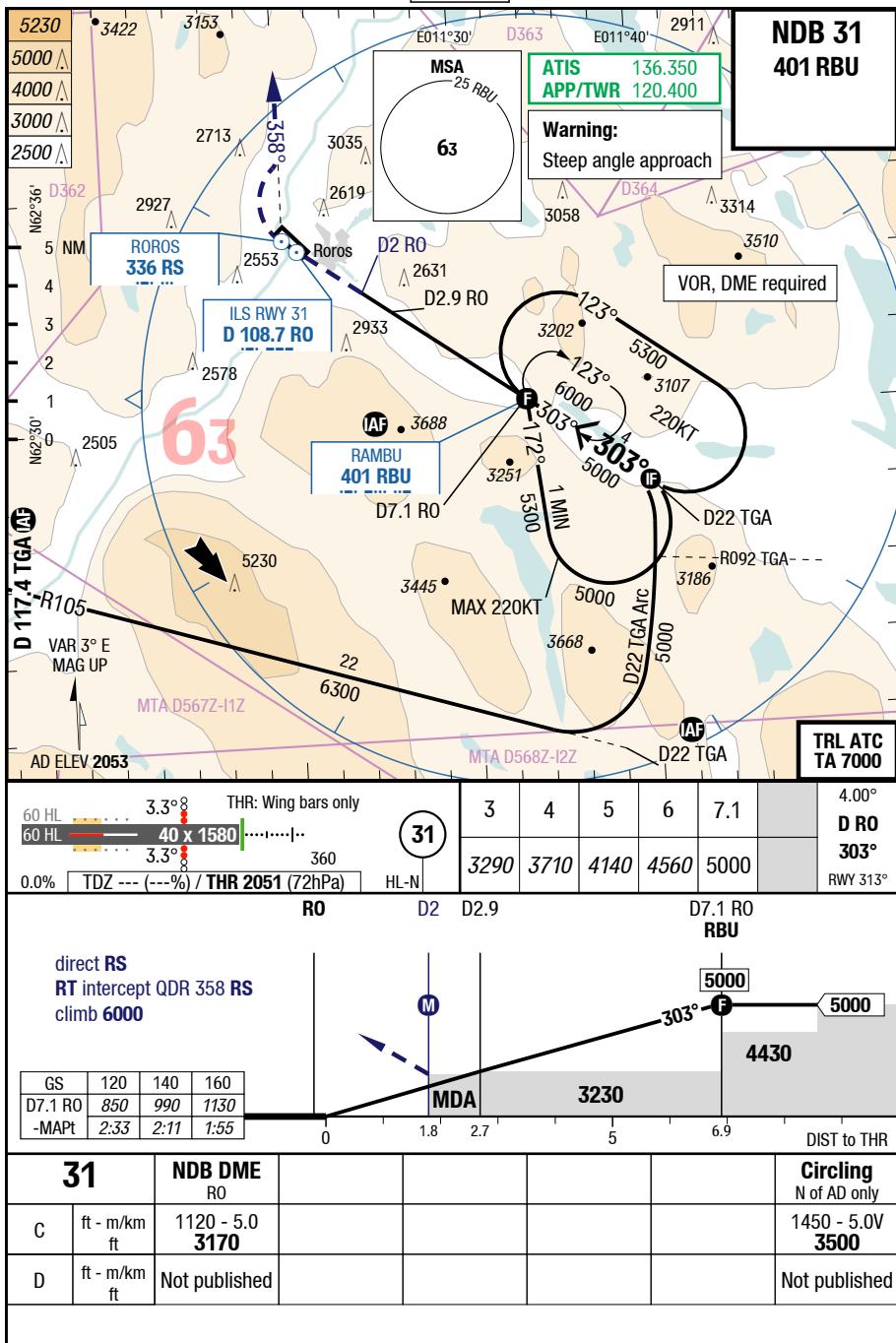
**Circling N of AD only**

Changes: RWY Designator, DIST ALT table, Note, OBST, SUAs

## RRS-ENRO

7-50

NDB 31



Changes: RWY Designator, chart title, SUAs, OBST

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10-AUG-2017

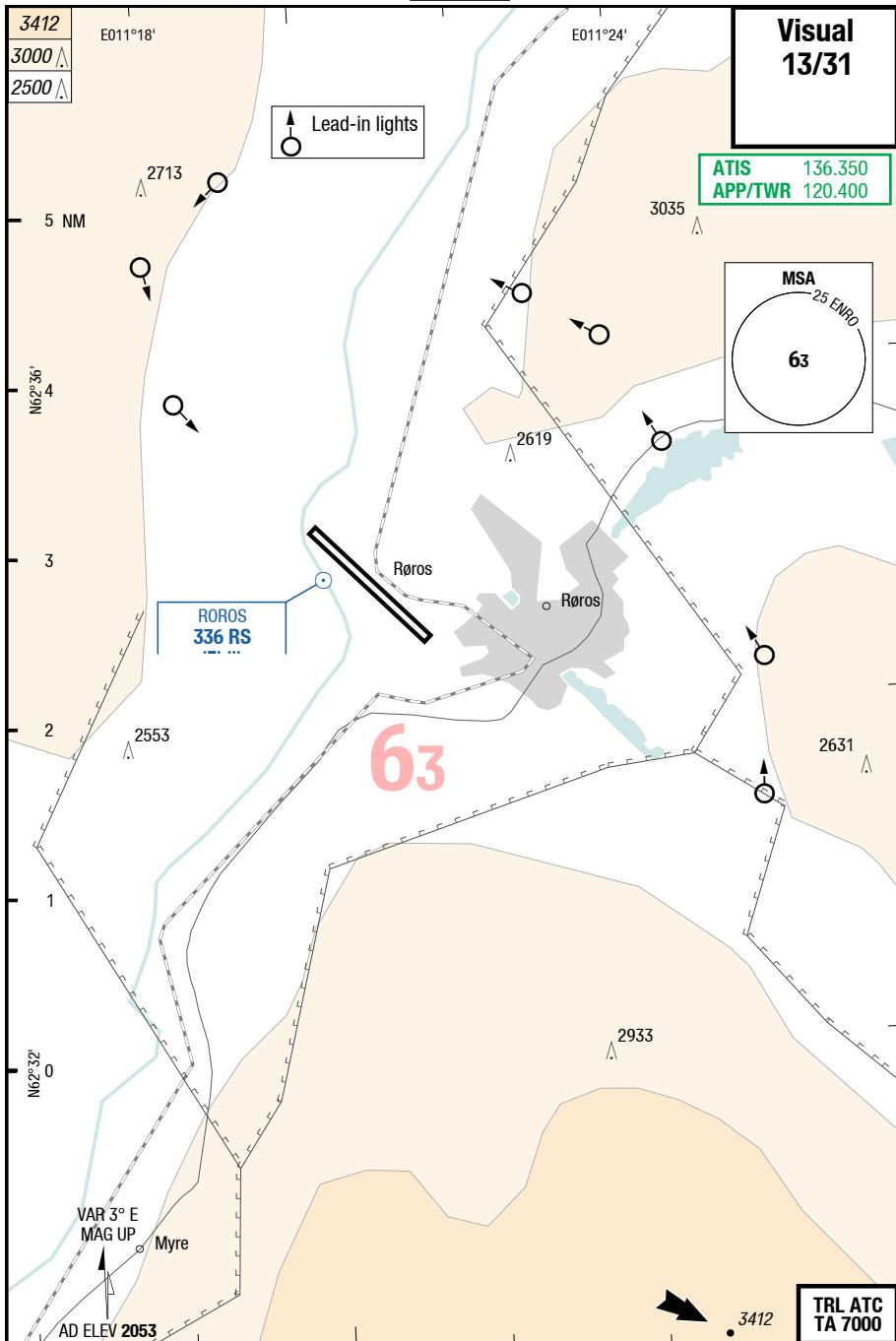
RRS-ENRO

Norway Røros

VAC

7-70

Visual 13/31



Changes: RWY Designator, chart title, OBST