

**ATC SURVEILLANCE
MINIMUM ALTITUDE CHART - ICAO**
AD ELEV
286FT

**BRG, TR AND RDL ARE MAGNETIC
ALT AND ELEV ARE IN FEET
DIST IN NAUTICAL MILES**

1:1000000

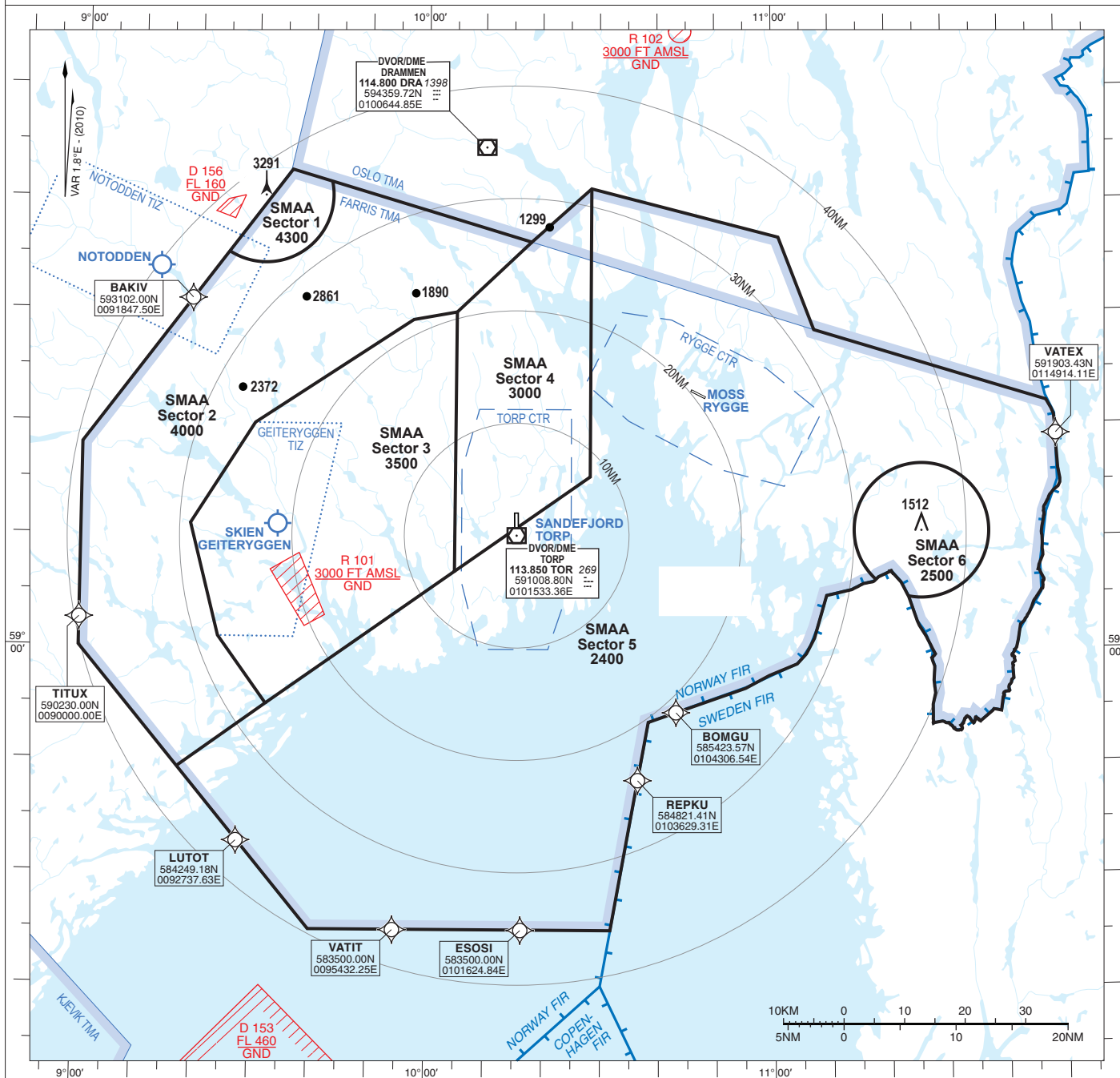
TA 7000

ATIS
119.075
APP
134.050
124.350

TWR
118.650
GND
126.175

SANDEFJORD/TORP

NORWAY


GENERAL INFORMATION

A Surveillance Minimum Altitude Area (SMAA) is a defined area in which the minimum safe altitudes allocated by a controller giving an ATC Surveillance service for IFR flights have been predetermined.

Altitudes shown are based on QNH.

SMAA do not constitute controlled airspace.

SMAA minimum safe altitude ensures obstacle clearance within the area concerned plus a 5.0 NM buffer area. Minimum safe altitude is determined by the highest obstacle elevation or the highest terrain elevation +20 M whichever is higher, plus safety margin of 300 M (984 FT), rounded up to the next hundred feet.

TEMPERATURE CORRECTION: Minimum safe altitudes are temperature corrected down to 0 degrees Celsius.

This chart may only be used for cross-checking of assigned altitudes whilst in receipt of an ATC Surveillance service.

COMMUNICATION FAILURE: In accordance with procedures described in AIP Norway ENR 1.3, para 5.

Coordinates for SMAA's are listed overleaf

CHANGES: SKIEN VOR WITHDRAWN.

SURVEILLANCE MINIMUM ALTITUDE COORDINATES	
ENTO SMAA Sector 1	MIN ALT: 4300 FT
594235N 0093544E - 594132N 0094253E - clockwise along an Arc, radius 6.0 NM, centered on 594016N 0093119E to - 593514N 0092454E - (594235N 0093544E)	
ENTO SMAA Sector 2	MIN ALT: 4000 FT
594132N 0094253E - 593801N 0100625E - 593615N 0101800E - 593000N 0100500E - 592918N 0095726E - 592000N 0093000E - 591100N 0091900E - 590100N 0092400E - 585830N 0092728E - 585502N 0093224E - 585209N 0092440E - 584921N 0091711E - 590000N, 0090000E - 591806N 0090000E - 593514N 0092454E - counter clockwise along an Arc, radius 6.0 NM, centered on 594016N 0093119E - (594132N 0094253E)	
ENTO SMAA Sector 3	MIN ALT: 3500 FT
593000N 0100500E - 590656N 0100449E - 590410N 0095714E - 585829N 0094144E - 585502N 0093224E - 585830N 0092728E - 590100N 0092400E - 591100N 0091900E - 592000N 0093000E - 592918N 0095726E - (593000N 0100500E)	
ENTO SMAA Sector 4	MIN ALT: 3000 FT
594100N 0102830E - 591522N 0102818E - 590656N 0100449E - 593000N 0100500E - 593615N 0101800E - (594100N 0102830E)	
ENTO SMAA Sector 5	MIN ALT: 2400 FT
594100N 0102830E - 593910N 0104227E - 593640N 0110110E - 592825N 0110720E - 592334N 0113802E - 592200N 0114740E - along the Swedish border to 590440N 0112319E - counter clockwise along an Arc, radius 6.0 NM, centered on 591031N 0112543E - 590610N 0111745E - along the Swedish border to 583500N 0103146E - 583500N 0094000E - 584921N 0091711E - 585209N 0092440E - 585502N 0093224E - 585829N 0094144E - 590410N 0095714E - 591522N 0102818E - (594100N 0102830E)	
ENTO SMAA Sector 6	MIN ALT: 2500 FT
590610N 0111745E - clockwise along an Arc, radius 6.0 NM, centered on 591031N 0112543E - 590440N 0112319E - along the Swedish border - (590610N 0111745E)	