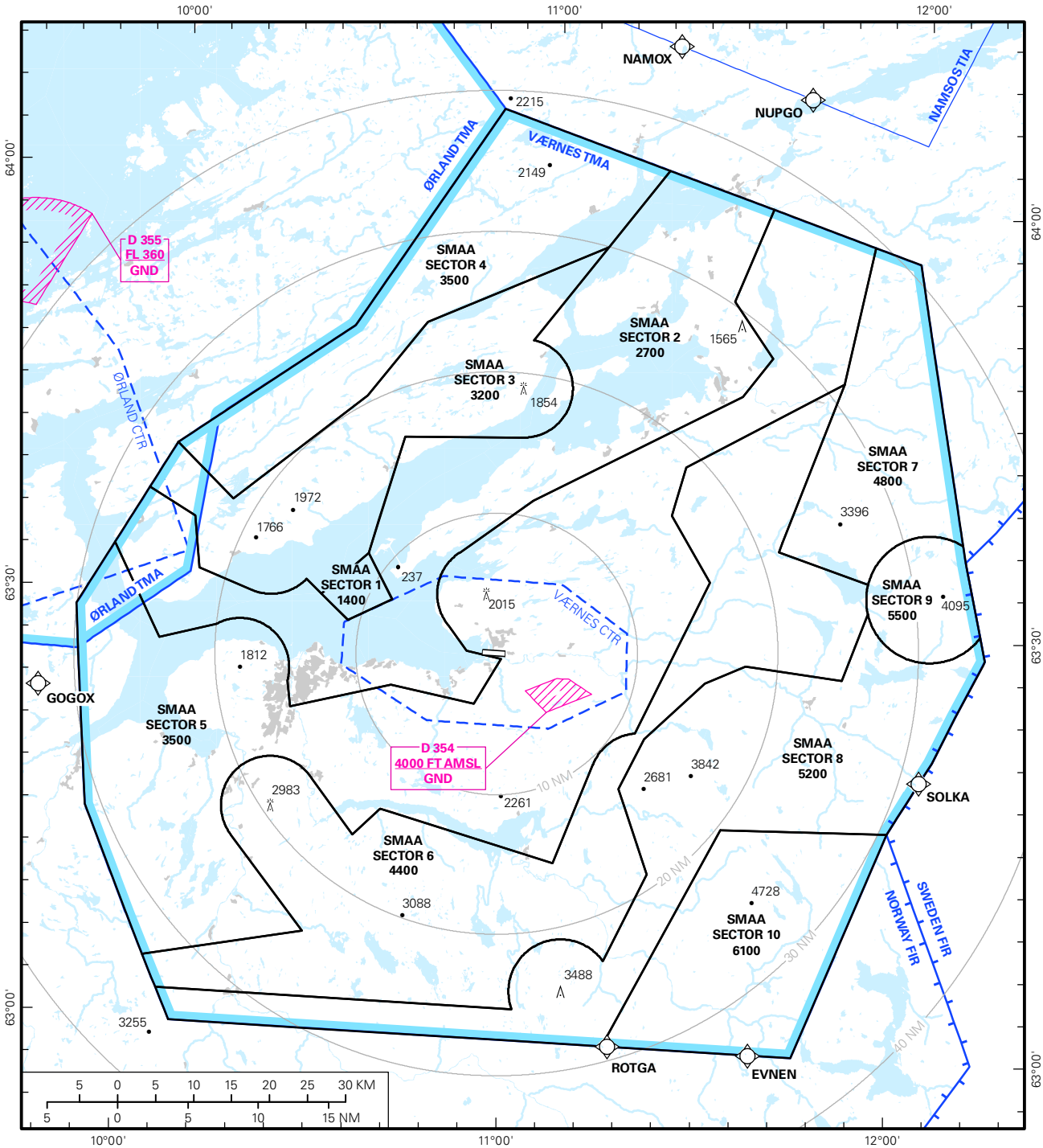


ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

ATIS:	127550	ALT AND ELEV ARE IN FT DIST IN NM		TRONDHEIM/VÆRNES	
APP:	118.600 119.150				
TWR:	119.400 133.750				
VDF:	118.600 119.400				
		1:800 000	VAR: 2.9 ° E (2015)	TA 7000	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 does not constitute controlled airspace.

SMAA minimum safe altitude ensures obstacle clearance within the area concerned plus a 3.0 NM buffer area. Minimum safe altitude is determined by the highest obstacle elevation or the highest terrain elevation +15 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 and including 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 SMAAs are listed overleaf.

CHANGES: UNTAG RENAMED TO EVNEN. NAMSOSTIA ADDED.

SURVEILLANCE MINIMUM ALTITUDE COORDINATES	
ENVA SMAA Sector 1	MIN ALT: 1400 FT
633052N 0102706E - 632900N 0103157E - 633053N 0103817E - 633358N 0103408 - (633052N 0102706E)	
ENVA SMAA Sector 2	MIN ALT: 2700 FT
633730N 0095843E - 633325N 0095352E - 632657N 0100201E - 632809N 0101049E - Clockwise along an arc, radius 3.5 NM, centered on 632514N 0101506E - 632431N 0102243E - 632244N 0102327E - 632446N 0103906E - 632349N 0105224E - 632705N 0105612E - 632732N 0105042E - 632912N 0104736E - Clockwise along an arc, radius 3.5 NM, centered on 633137N 0105314E - 633427N 0104840E - 633827N 0105952E - 634638N 0113211E - 634927N 0113644E - 635319N 0113006E - 635958N 0113537E - 640220N 0111833E - 635641N 0110922E - 634946N 0105813E - Clockwise along an arc, radius 3.5 NM, centered on 634619N 0105704E - 634250N 0105656E - 634221N 0103844E - 633358N 0103408E 633053N 0103817E - 632900N 0103157E - 633052N 0102706E - 633150N 0102437E - Clockwise along an arc, radius 3.5 NM, centered on 633404N 0101836E - 633046N 0101605E - 633205N 0100733E - 633542N 0100614E - (633730N 0095843E)	
ENVA SMAA Sector 3	MIN ALT: 3200 FT
635641N 0110922E - 634946N 0105813E - Clockwise along an arc, radius 3.5 NM, centered on 634619N 0105704E - 634250N 0105656E - 634221N 0103844E - 633358N 0103408E - 633052N 0102706E - 633150N 0102437E - Clockwise along an arc, radius 3.5 NM, centered on 633404N 0101836E - 633046N 0101605E - 633205N 0100733E - 633542N 0100614E - 633730N 0095843E - 634049N 0100240E - 633708N 0101204E - 634505N 0103216E - 635033N 0104103E - (635641N 0110922E)	
ENVA SMAA Sector 4	MIN ALT: 3500 FT
634049N 0100240E - 633708N 0101204E - 634505N 0103216E - 635033N 0104103E - 635641N 0110922E - 640220N 0111833E - Along TMA border - (634049N 0100240E)	
ENVA SMAA Sector 5	MIN ALT: 3500 FT
633325N 0095352E - 632657N 0100201E - 632809N 0101049E - Clockwise along an arc, radius 3.5 NM, centered on 632514N 0101506E - 632431N 0102243E - 632244N 0102327E - 632446N 0103906E - 632349N 0105224E - 632705N 0105612E - 632732N 0105042E - 632912N 0104736E - Clockwise along an arc, radius 3.5 NM, centered on 633137N 0105314E - 633427N 0104840E - 633827N 0105952E - 634638N 0113211E - 634927N 0113644E - 635319N 0113006E - 635958N 0113537E - 635738N 0115222E - 634753N 0114822E - 634124N 0112348E - 633757N 0112153E - 633322N 0112834E - 632223N 0111802E - Counter clockwise along an arc, radius 3.5 NM, centered on 631856N 0111907E - 631959N 0111143E - 631252N 0110619E - 631556N 0103844E - 631359N 0103440E - 631746N 0102738E - Counter clockwise along arc, radius 3.5 NM, centered on 631539N 0102127E - 631321N 0101538E - 630656N 0102747E - 630428N 0100309E - Along TMA border - (633325N 0095352E)	
ENVA SMAA Sector 6	MIN ALT: 4400 FT
634753N 0114822E - 634124N 0112348E - 633757N 0112153E - 633322N 0112834E - 632223N 0111802E - Counter clockwise along an arc, radius 3.5 NM, centered on 631856N 0111907E - 631959N 0111143E - 631252N 0110619E - 631556N 0103844E - 631359N 0103440E - 631746N 0102738E - Counter clockwise along arc, radius 3.5 NM, centered on 631539N 0102127E - 631321N 0101538E - 630656N 0102747E - 630428N 0100309E - 630258N 0100446E - 630213N 0100535E - 630221N 0110119E - Clockwise along an arc, radius 3.7 NM, centered on 630350N 0110845E - 630610N 0111504E - 631227N 0112108E - 631824N 0111558E - 632202N 0111935E - 632613N 0112836E - 632734N 0113455E - 632652N 0115016E - 633143N 0115351E - Clockwise along an arc, radius 4.5 NM, centered on 633255N 0120332E - 633347N 0115340E - 633546N 0113915E - (634753N 0114822E)	
ENVA SMAA Sector 7	MIN ALT: 4800 FT
634753N 0114822E - 635738N 0115222E - Along TMA border - 633649N 0120830E - Counter clockwise along an arc, radius 4.5 NM, centered on 633255N 0120332E - 633347N 0115340E - 633546N 0113915E - (634753N 0114822E)	
ENVA SMAA Sector 8	MIN ALT: 5200 FT
630213N 0100535E - 630221N 0110119E - Clockwise along an arc, radius 3.7 NM, centered on 630350N 0110845E - 630610N 0111504E - 631227N 0112108E - 631824N 0111558E - 632202N 0111935E - 632613N 0112836E - 632734N 0113455E - 632652N 0115016E - 633143N 0115351E - Counter clockwise along an arc, radius 4.5 NM, centered on 633255N 0120332E - 633023N 0121150E - Along TMA border - 631609N 0115828E - 631554N 0113219E - 630007N 0111541E - Along TMA border - (630213N 0100535E)	
ENVA SMAA Sector 9	MIN ALT: 5500 FT
633023N 0121150E - Clockwise along an arc, radius 4.5 NM, centered on 633255N 0120332E - 633649N 0120830E - Along TMA border - (633023N 0121150E)	
ENVA SMAA Sector 10	MIN ALT: 6100 FT
631609N 0115828E - 631554N 0113219E - 630007N 0111541E - Along TMA border - (631609N 0115828E)	