

ENR 5 NAVIGATIONSVARNINGAR / NAVIGATION WARNINGS

5.1 Förbjudna områden, restriktionsområden och farliga områden

5.1 Prohibited, restricted and danger areas

1 Förbjudna områden

1 Prohibited areas

1.1 Förteckning över förbjudna områden / List of prohibited areas

Prohibited areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
NIL			

2 Restriktionsområden

2 Restricted areas

2.1 Allmänt

2.1 General

2.1.1 Inom restriktionsområde får flygning utföras endast med tillstånd av myndighet eller ATS-enhet enligt kolumn 4 eller i enlighet med där angivna föreskrifter i förteckningen över restriktionsområden.

2.1.1 Within restricted areas, flight may be carried out only by permission of the authority or ATS unit specified in column 4 or in accordance with the provisions given in the list of restricted areas.

Anm. Se mom 2.2 nedan beträffande vissa restriktionsområden.

Note. See para 2.2 below concerning certain restricted areas.

2.1.2 Sammanfaller ett restriktionsområde eller en del därav med kontrollerat luftrum, innebär klarering för flygning inom det kontrollerade luftrummet även tillstånd för flygning inom av klareringens berörd del av restriktionsområdet.

2.1.2 If a restricted area or portion thereof coincides with a controlled airspace, an ATC clearance pertaining to this controlled airspace includes permission for flight within that portion of the restricted area concerned by the clearance.

2.1.3 Restriktionsområde är upprättat H24 om inte annat anges.

2.1.3 Restricted areas are established H24 unless otherwise specified.

2.1.4 Tillfälligt upprättat restriktionsområde liksom tillfällig utvidgning i sid- eller höjddel av permanent restriktionsområde publiceras genom NOTAM.

2.1.4 Temporary restricted areas as well as temporary lateral or vertical extensions of permanent restricted areas will be promulgated by NOTAM.

2.2 Restriktionsområden fastställda av Regeringen

2.2 Restricted areas established by the Government

2.2.1 Avser följande områden: ES R03, R04, R11, R14, R19, R21, R26, R33, R85, R87, R88, R91, R93 och R95.

2.2.1 This concerns the following areas: ES R03, R04, R11, R14, R19, R21, R26, R33, R85, R87, R88, R91, R93 and R95.

Inom dessa områden, upprättade av Regeringen enligt SFS 2005:801 med ändring enligt SFS 2008:1147, är luftfart tillåten utan särskilt tillstånd, om inte annat har tillkännagivits genom NOTAM eller AIP SUP.

Within these restricted areas, established by the Government, flight is permitted without special permission unless otherwise promulgated by means of NOTAM or AIP SUP.

2.2.2 Inom områdena ES R97, R98, R99, R100, R101 upprättade av hänsyn till allmän ordning och säkerhet, gäller flygförbud.

2.2.2 Flight within areas ES R97, R98, R99, R100, R101 established with regard to common order and security, is prohibited.

Flygning får dock äga rum med svenska militära luftfartyg och med svenska luftfartyg som används av Försvarmakten, Polismyndigheten, Säkerhetspolisen, Kustbevakningen, Sjöfartsverket, LfV, Transportstyrelsen, Tullverket, Lantmäteriet, Sveriges geologiska undersökning, SMHI eller Affärsverket svenska kraftnät, eller med luftfartyg när de används i räddningsinsatser enligt bestämmelserna i lagen om skydd mot olyckor (2003:778).

However, flight may be conducted if carried out by Swedish military aircraft or by Swedish aircraft operated by Swedish Armed Forces, local Police Department, Swedish Security Administration, LfV, Swedish Transport Agency, Swedish Customs Administration, National Land Survey Office, Geological Survey of Sweden, Swedish Meteorological and Hydrological Institute or Affärsverket Svenska Kraftnät, or by aircraft engaged in rescue operations in accordance with Civil Protection Act (2003:778).

Ambulansflyg medges tillstånd att inom ES R101 genomföra flygning till och från Norrtälje sjukhus.

Ambulance flights are permitted within ES R101 when operating to/from Norrtälje hospital.

Tillstånd för flygning i områdena kan medges av Transportstyrelsen om särskilda skäl föreligger.

Permission for flight in the areas may be granted by the Swedish Transport Agency if special circumstances prevail.

2.3 Restriktionsområden för segelflygning i moln

2.3 Restricted areas for soaring in clouds

2.3.1 Detta berör områdena ES R200, R204, R208 och R209 vilka är upprättade under perioden 15 APR-15 OKT utanför militär flygövningstid.

2.3.1 This concerns the areas ES R200, R204, R208 and R209 which are established during the period 15 APR-15 OCT outside military air exercise hours.

ES R25 är upprättat under perioden 15 APR-15 OKT dagligen 0700-2100 (0600-2000).

ES R25 is established during the period 15 APR-15 OCT daily 0700-2100 (0600-2000).

Tiden för upprättande kan utökas genom NOTAM.

The hours may be extended, such extension will be published by NOTAM.

Områdena är aktiverade endast när segelflygverksamhet pågår. Aktivering sker 30 min före start till berört ACC.

The areas are activated only when soaring is in progress. Activation 30 minutes prior start to the supervisor of the ACC concerned.

2.3.2 När område är aktiverat kommer klarering inte att ges för genomflygning på höjder mellan FL 95 och FL 195.

2.3.2 Clearance to cross activated area will not be given at levels between FL 95 and FL 195.

Tillstånd för genomflygning på höjder mellan 3000 ft AMSL alt. 5000 ft AMSL (R200) och FL 95 kommer att medges under VMC.

Permission to cross will be given between 3000 ft AMSL or 5000 ft AMSL (R200) and FL 95 maintaining VMC.

2.3.3 Väderförhållanden

2.3.3 Weather conditions

Segelflygning i moln inom dessa områden får endast äga rum under följande väderförhållanden.

Soaring in clouds within these areas may take place only when the following weather conditions prevail

a) Total molnmängd i området får inte överstiga BKN. Segelflygning i CB får inte äga rum.

a) Total amount of clouds in the area does not exceed BKN. Soaring in CB is not permitted.

b) Molntäckeshöjd ej under 2500 ft.

b) Ceiling is not below 2500 ft.

c) Vindhastighet i området (berört höjdsikt) får inte överstiga 20 kt.

c) Wind speed in area (altitude layer concerned) not exceeding 20 kt.

d) Segelflygning får inte äga rum i moln ur vilket nederbörd faller.

d) No soaring in clouds from which precipitation is falling.

2.4 Restriktionsområden utfärdade av Transportstyrelsen

2.4 Restricted areas established by the Swedish Transport Agency

2.4.1 Inom områdena ES R105, R107, R108, R109 och R110 upprättade av hänsyn till allmän ordning och säkerhet, gäller flygförbud. Flygning får dock äga rum med svenska militära luftfartyg och med svenska luftfartyg som används av Försvarsmakten, Polismyndigheten, Säkerhetspolisen, Kustbevakningen, Sjöfartsverket, LFV, Transportstyrelsen, Tullverket, Lantmäteriet, Sveriges geologiska undersökning, SMHI eller Affärsverket svenska kraftnät, ambulanstransport med hög medicinsk prioritet eller med luftfartyg när de används i räddningsinsatser enligt bestämmelserna i lagen om skydd mot olyckor (2003:778).

2.4.1 Flight within areas ES R105, R107, R108, R109 and R110 established with regard to common order and security, is prohibited. However, flight may be conducted if carried out by Swedish military aircraft or by Swedish aircraft operated by Swedish Armed Forces, local Police Department, Swedish Security Service, Swedish Coast Guard, Swedish Maritime Administration, LFV, Swedish Transport Agency, Swedish Customs Administration, National Land Survey Office, Geological Survey of Sweden, Swedish Meteorological and Hydrological Institute or Affärsverket Svenska Kraftnät, ambulance transport with high medical priority or by aircraft engaged in rescue operations in accordance with Civil Protection Act (2003:778).

Sjuktransport medges tillstånd att inom ES R110 genomföra flygning till och från Huddinge sjukhus.

Ambulance flights are permitted within ES R110 when operating to/from Huddinge hospital.

Tillstånd för flygning i områdena kan medges av Transportstyrelsen.

Permission for flight in the areas may be granted by the Swedish Transport Agency.

2.5 Flight Plan Buffer Zone (FBZ)

FBZ är etablerade enbart med hänsyn till färdplanering. Det är tillåtet att färdplanera fram till gränsen av FBZ när dessa är aktiva. I rutt-beskrivningen i fält 15 ska hänsyn tas till den nominella storcirkeln mellan två punkter i färdplanen. När ett område är aktiverat ska FBZ koordinater användas för IFR färdplanering.

2.5 Flight Plan Buffer Zone (FBZ)

FBZ has been established for IFR flight planning purposes only. Flight plans can be filed up to the boundary of the FBZ when active. The route described in item 15 shall consider the nominal track between two points according to the great circle. When an area is activated use FBZ coordinates for IFR flight planning.

2.6 Förteckning över restriktionsområden / List of restricted areas

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R01 ESRANGE (KIRUNA)	690336N 0203255E - Swedish/Finnish border southward to 683156N 0215935E - 681745N 0214612E - 675924N 0212754E - 674724N 0211613E - 674724N 0205443E - 675924N 0204843E - 682121N 0195516E - Swedish/Norwegian border northward to 690336N 0203255E	UNL ----- GND	Rocket firing, balloon ascends, RPAS flights and cargo drops. Permission obtainable from STOCKHOLM ACC or KIRUNA ATS. For flight in airspace Class G call ESRANGE TEL +46 (0)980 720 00. For all flights a FPL shall be submitted to reach KIRUNA ATS at least 45 MIN before entry. The FPL shall contain information regarding the estimated time within the area. When required by the authorizing unit radio contact shall be established. Information regarding launching may be obtained from KIRUNA ATS or STOCKHOLM ACC
ES R01A ESRANGE (KIRUNA)	675924N 0204843E - 675924N 0212754E - 674724N 0211613E - 674724N 0205443E - 675924N 0204843E	UNL ----- GND	Rocket firing, balloon ascends, RPAS flights and cargo drops. Permission obtainable from STOCKHOLM ACC or KIRUNA ATS. For flight in airspace Class G call ESRANGE TEL +46 (0)980 720 00. For all flights a FPL shall be submitted to reach KIRUNA ATS at least 45 MIN before entry. The FPL shall contain information regarding the estimated time within the area. When required by the authorizing unit radio contact shall be established.
ES R02 VIDSEL	665454N 0183445E - 663555N 0195144E - 660755N 0202244E - 655155N 0200944E - 655155N 0192645E - 663055N 0175246E - 665454N 0183445E	UNL ----- GND	Firing, blasting, bombing/CAS, UAS, test and evaluation flights and target towing. Permission obtainable from STOCKHOLM ACC or VIDSEL ATS.
ES R02A VIDSEL	665454N 0183445E - 664527N 0191306E - 660955N 0201751E - 660939N 0202051E - 660755N 0202244E - 660723N 0202218E - 660447N 0202009E - 655523N 0191839E - 663055N 0175246E - 665454N 0183445E	UNL ----- GND	Firing, blasting, bombing/CAS, UAS, test and evaluation flights and target towing. Permission obtainable from STOCKHOLM ACC or VIDSEL ATS.
ES R02B VIDSEL	660447N 0202009E - 655155N 0200944E - 655155N 0192645E - 655523N 0191839E - 660447N 0202009E	UNL ----- GND	Firing, blasting, bombing/CAS, UAS, test and evaluation flights and target towing. Permission obtainable from STOCKHOLM ACC or VIDSEL ATS.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R02C VIDSEL	664527N 0191306E - 663555N 0195144E - 660939N 0202051E - 660955N 0201751E - 664527N 0191306E	UNL — GND	Firing, blasting, bombing/CAS, UAS, test and evaluation flights and target towing. Permission obtainable from STOCKHOLM ACC or VIDSEL ATS.
ES R03 LOWER PART OF RIVER KALIX	663555N 0224443E - 663355N 0231542E - 655755N 0234342E - 654655N 0222943E - 655055N 0222643E - 661955N 0224943E - 663555N 0224443E	UNL — GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R04 BODEN	660555N 0212444E - 655225N 0220743E - 654655N 0220943E - 654255N 0214843E - 654955N 0214313E - 654955N 0213244E - 655155N 0212444E - 660055N 0211044E - 660555N 0212444E	UNL — GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R05 BODEN SÖDRA	654835N 0213616E - 654725N 0213944E - 654525N 0214144E - 654355N 0213614E - 653955N 0213314E - 653825N 0211844E - 653955N 0211244E - 654525N 0211844E - 654555N 0213044E - 654835N 0213616E	32000 ft AMSL — GND	Firing, blasting, bombing/CAS, UAS and target towing. Permission obtainable from STOCKHOLM ACC or KALLAX ATS.
ES R07 UMEÅ	635646N 0201815E - 635301N 0201915E - 635137N 0201813E - 635018N 0201621E - 635012N 0201451E - 635148N 0201139E - 635618N 0200944E - 635646N 0201815E	11000 ft AMSL — GND	Firing and blasting. UAS up to 400 ft AMSL. Permission obtainable from STOCKHOLM ACC or UMEÅ ATS.
ES R08 DAGSÅDALEN	631556N 0144408E - 631426N 0144618E - 631208N 0144048E - 631342N 0143918E - 631531N 0144138E - 631556N 0144408E	28500 ft AMSL — GND	Firing and blasting. Permission obtainable from STOCKHOLM ACC or ÖSTERSUND ATS.
ES R09 SALUBÖLE	632659N 0191528E - 632526N 0192603E - clockwise along an arc centred on 632656N 0191546E and with radius 4.9 NM (9.0 km) - 632212N 0191803E - 632645N 0191532E - 632659N 0191528E	20000 ft AMSL — GND	Firing. Permission obtainable from STOCKHOLM ACC or ÖRNSKÖLDSVIK ATS.
ES R10 TJÄRNMYREN	630946N 0171847E - 630656N 0172447E - 630556N 0171347E - 630756N 0171437E - 630946N 0171847E	11500 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from STOCKHOLM ACC.
ES R11 MOUTH OF ÅNGERMANÅLVEN	625226N 0180446E - 624226N 0182346E - 623826N 0181746E - 623826N 0175747E - 624956N 0180147E - 625226N 0180446E	UNL — GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R13 ÄLVDALEN	613926N 0133553E - 613719N 0135841E - 613238N 0141232E - 612353N 0140824E - 611622N 0134606E - 611948N 0133511E - 613158N 0132126E - 613627N 0132746E - 613926N 0133553E	35500 ft AMSL — GND	Firing, blasting, bombing/CAS, UAS, target towing and air drop. Permission obtainable from STOCKHOLM ACC.
ES R14 ARCHIPELAGO OF ÖREGRUND	602157N 0183617E - 602157N 0185946E - 600727N 0185947E - 600727N 0184647E - 601057N 0183717E - 602157N 0183617E	UNL — GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R15A VÄDDÖ	600816N 0185039E - clockwise along an arc centred on 595632N 0185332E and with radius 12 NM (22 km) - 595038N 0191356E - 595632N 0185332E - 600816N 0185039E	40500 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from STOCKHOLM ACC.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R15B VÄDDÖ	601257N 0184347E - 600816N 0185039E - 595632N 0185332E - 595038N 0191356E - 595158N 0184747E - 600357N 0183847E - 601257N 0184347E	4500 ft AMSL ----- GND	Target towing and UAS. Permission obtainable from STOCKHOLM ACC.
ES R16 KUNGSÄNGEN	593604N 0174158E - 593604N 0174204E - 593603N 0174218E - 593549N 0174251E - 593532N 0174404E - 593539N 0174511E - 593524N 0174610E - 593452N 0174713E - 593448N 0174717E - 593433N 0174732E - 593419N 0174733E - 593359N 0174750E - 593354N 0174759E - 593344N 0174807E - 593316N 0174815E - 593304N 0174816E - 593300N 0174813E - 593201N 0174602E - 593254N 0174400E - 593343N 0174208E - 593407N 0174112E - 593524N 0174035E - 593604N 0174158E	1600 ft AMSL ----- GND	Firing and blasting. Permission obtainable from STOCKHOLM ACC or ARLANDA TWR.
ES R16A KUNGSÄNGEN	593539N 0174511E - 593524N 0174610E - 593452N 0174713E - 593448N 0174717E - 593532N 0174404E - 593539N 0174511E	1600 ft AMSL ----- GND	Firing and blasting. Permission obtainable from STOCKHOLM ACC or ARLANDA TWR.
ES R16B KUNGSÄNGEN	593604N 0174158E - 593604N 0174204E - 593603N 0174218E - 593549N 0174251E - 593532N 0174404E - 593448N 0174717E - 593433N 0174732E - 593419N 0174733E - 593359N 0174750E - 593254N 0174400E - 593343N 0174208E - 593407N 0174112E - 593524N 0174035E - 593604N 0174158E	1600 ft AMSL ----- GND	Firing and blasting. Permission obtainable from STOCKHOLM ACC or ARLANDA TWR.
ES R16C KUNGSÄNGEN	593359N 0174750E - 593354N 0174759E - 593344N 0174807E - 593316N 0174815E - 593304N 0174816E - 593300N 0174813E - 593201N 0174602E - 593254N 0174400E - 593359N 0174750E	1600 ft AMSL ----- GND	Firing and blasting. Permission obtainable from STOCKHOLM ACC or ARLANDA TWR.
ES R18 BOFORS, VILLINGSBERG	592853N 0150006E - 592734N 0150051E - 592418N 0145925E - 592106N 0145757E - 591741N 0145458E - 591512N 0144952E - 591335N 0143935E - 591704N 0143449E - 591937N 0143449E - 592050N 0143449E - 592352N 0143449E - 592838N 0145302E - 592853N 0150006E	UNL ----- GND	Firing, blasting, UAS, bombing/CAS, target towing and air drop. Permission obtainable from STOCKHOLM ACC or ÖREBRO ATS.
ES R18A BOFORS, VILLINGSBERG	592634N 0145413E - 592418N 0145925E - 592106N 0145757E - 591741N 0145458E - 591512N 0144952E - 591635N 0144623E - 591656N 0144133E - 591742N 0144036E - 591937N 0143449E - 592050N 0143449E - 592634N 0145413E	UNL ----- GND	Firing, blasting, UAS, bombing/CAS, target towing and air drop. Permission obtainable from STOCKHOLM ACC or ÖREBRO ATS.
ES R18B BOFORS, VILLINGSBERG	592853N 0150006E - 592734N 0150051E - 592418N 0145925E - 592634N 0145413E - 592050N 0143449E - 592352N 0143449E - 592838N 0145302E - 592853N 0150006E	UNL ----- GND	Firing, blasting, UAS, bombing/CAS, target towing and air drop. Permission obtainable from STOCKHOLM ACC or ÖREBRO ATS.
ES R18C BOFORS, VILLINGSBERG	591937N 0143449E - 591742N 0144036E - 591656N 0144133E - 591635N 0144623E - 591512N 0144952E - 591335N 0143935E - 591704N 0143449E - 591937N 0143449E	UNL ----- GND	Firing, blasting, UAS, bombing/CAS, target towing and air drop. Permission obtainable from STOCKHOLM ACC or ÖREBRO ATS.
ES R19 SANDHAMN	592458N 0190047E - 591758N 0192246E - 590728N 0190417E - 592228N 0183817E - 592458N 0190047E	UNL ----- GND	Permission required only when so is promulgated by NOTAM or AIP SUP.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R21 SOUTHERN PART OF THE STOCKHOLM ARCHIPELAGO	590958N 0180947E - 590958N 0183347E - 585958N 0185117E - 585358N 0183947E - 584358N 0181447E - 583958N 0175117E - 585328N 0174202E - 590458N 0175447E - 590958N 0180947E	UNL ----- GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R22A VÄTTERN	584508N 0144743E - 584448N 0145858E - 583232N 0145839E - 582835N 0144934E - 582814N 0144803E - 582733N 0144626E - 582542N 0144606E - 582541N 0144524E - 582343N 0144150E - 582230N 0143945E - 582143N 0143920E - 582049N 0143911E - 581611N 0141718E - 581656N 0141705E - 581727N 0141655E - 581758N 0141711E - 582842N 0141905E - 583931N 0142354E - 584508N 0144743E	21000 ft AMSL ----- GND	Firing, blasting, bombing/CAS, UAS, target towing, test and evaluation flights and air drop. Permission obtainable from STOCKHOLM ACC or KARLSBORG ATS.
ES R22B VÄTTERN	582049N 0143911E - 581658N 0144219E - 581258N 0144219E - 581158N 0143304E - 580758N 0142749E - 581209N 0141358E - 581611N 0141718E - 582049N 0143911E	4500 ft AMSL ----- GND	UAS and target towing. Permission obtainable from STOCKHOLM ACC or KARLSBORG ATS.
ES R22C VÄTTERN	583021N 0143708E - 582921N 0144547E - 582711N 0144505E - 582508N 0144327E - 582318N 0144048E - 582106N 0143327E - 582053N 0142817E - 582636N 0142827E - 582835N 0142720E - 582853N 0142701E - 582939N 0142830E - 583020N 0143113E - 583021N 0143708E	18000 ft AMSL ----- GND	Firing, blasting, bombing/CAS, UAS, target towing and air drop. Permission obtainable from STOCKHOLM ACC or KARLSBORG ATS.
ES R22D VÄTTERN	584044N 0144632E - 583859N 0144846E - 583737N 0145007E - 583557N 0145102E - 583141N 0144943E - 582942N 0144605E - 583141N 0143322E - 583319N 0143114E - 583348N 0143036E - 583520N 0143025E - 583549N 0143108E - 583720N 0143512E - 583908N 0143812E - 584044N 0144632E	21000 ft AMSL ----- GND	Firing, blasting, UAS, test and evaluation flights and air drop. Permission obtainable from STOCKHOLM ACC or KARLSBORG ATS.
ES R23 PRÄSTTOMTA	584054N 0152308E - 583835N 0152604E - 583550N 0152741E - 583429N 0152329E - 583513N 0151847E - 583858N 0151746E - 584054N 0152308E	18000 ft AMSL ----- GND	Firing, blasting and UAS. Permission obtainable from ÖSTGÖTA APP or STOCKHOLM ACC.
ES R24 DROTTNINGHOLM	A circle with radius 2000 m centred on 591920N 0175230E	2000 ft AMSL ----- GND	Special permission by Swedish Transport Agency is required with the following exceptions: Military Aircraft and Swedish Aircraft used by Police, Swedish Armed Forces, Coastguard, National Land Survey, Aircraft engaged in rescue operations in accordance with Civil Protection act (2003:778) and helicopter engaged in ambulance operations.
ES R25 ÄLLEBERG	A circle with radius 5.4 NM (10 km) centred on 580758N 0133550E (N point of the mountain Älleberg)	FL 195 ----- 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from MALMÖ ACC. Provisions: See ENR 5.1 para 2.3.
ES R26 NORTHERN GOTLAND AND FÄRÖ	580258N 0190347E - 580258N 0192847E - 575628N 0192847E - 573459N 0185947E - 573859N 0184747E - 574658N 0183747E - 580158N 0185647E - 580258N 0190347E	UNL ----- GND	Permission required only when so is promulgated by NOTAM or AIP SUP.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R28A TOFTA	573742N 0181053E - 573524N 0181054E - 573430N 0181232E - 573258N 0181207E - 572859N 0180747E - 572829N 0180017E - 572936N 0175756E - 573314N 0175817E - 573619N 0180147E - 573705N 0180647E - 573742N 0181053E	27500 ft AMSL — GND	Firing, blasting, bombing/CAS, UAS and target towing. Permission obtainable from STOCKHOLM ACC or VISBY ATS.
ES R28B TOFTA	574058N 0175717E - 573705N 0180647E - 573619N 0180147E - 573314N 0175817E - 572936N 0175756E - 572829N 0180017E - 572729N 0175017E - 573528N 0175047E - 574058N 0175717E	27500 ft AMSL — GND	Firing, blasting, bombing/CAS, UAS and target towing. Permission obtainable from STOCKHOLM ACC or VISBY ATS.
ES R28C TOFTA	574205N 0181054E - 573742N 0181053E - 573705N 0180647E - 574058N 0175717E - 574205N 0181054E	27500 ft AMSL — GND	Firing, blasting, bombing/CAS, UAS and target towing. Permission obtainable from STOCKHOLM ACC or VISBY ATS.
ES R30A SKILLINGARYD	573041N 0140610E - 572928N 0141419E - 572128N 0141049E - 572058N 0140519E - 572910N 0140517E - 573041N 0140610E	24500 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC, STOCKHOLM ACC, JÖNKÖPING ATS or HAGSHULT ATS when established by NOTAM or AIP SUP.
ES R30B SKILLINGARYD	572128N 0141049E - 571659N 0140919E - 571659N 0140449E - 572058N 0140519E - 572128N 0141049E	24500 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC, STOCKHOLM ACC, JÖNKÖPING ATS or HAGSHULT ATS when established by NOTAM or AIP SUP.
ES R31 STORA AND LILLA KARLSÖ	A circle with radius 8 NM (14.8 km) centred on 571759N 0175947E	FL 85 — GND	Bird sanctuary. In order to protect the bird life on the islands the area should be avoided during the period 15 MAR- 15 AUG incl. Permission obtainable from County Government of Gotland.
ES R32 NYÅRSÄSEN	564459N 0124650E - 564459N 0124850E - 564359N 0124950E - 564259N 0124850E - 564329N 0124550E - 564459N 0124650E	9500 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or HALMSTAD ATS.
ES R33 ARCHIPELAGO OF BLEKINGE	561559N 0153649E - 561059N 0155749E - 560429N 0155849E - 555659N 0155149E - 555659N 0154149E - 560259N 0151819E - 560729N 0151819E - 561259N 0152149E - 561559N 0153649E	UNL — GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R34 RAVLUNDA	555623N 0142228E - clockwise along an arc centred on 554402N 0140944E and with radius 14.3 NM (26.5 km) - 553407N 0142753E - 554325N 0141146E - 554319N 0140919E - 554514N 0140819E - 554609N 0140954E - 554544N 0141144E - 555623N 0142228E	17000 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or KRISTIANSTAD ATS.
ES R35 RAVLUNDA VÄST	554632N 0140547E - 554609N 0140954E - 554514N 0140819E - 554319N 0140919E - 554325N 0141146E - 554204N 0140717E - 554507N 0140358E - 554632N 0140547E	10500 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or KRISTIANSTAD ATS.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R37 HÄRAD	592158N 0165748E - 592052N 0170148E - 591844N 0165948E - 591844N 0165518E - 592028N 0165408E - 592128N 0165418E - 592158N 0165748E	10500 ft AMSL ————— GND	Firing and blasting. UAS up to 2000 ft AMSL. Permission obtainable from STOCKHOLM ACC.
ES R38A RINKABY	555929N 0141619E - 555829N 0142019E - 555759N 0142849E - 555329N 0142149E - 555629N 0141919E - 555759N 0141549E - 555929N 0141619E	17000 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or KRISTIANSTAD ATS.
ES R38B RINKABY	560059N 0141649E - 560059N 0141919E - 555829N 0142019E - 555929N 0141619E - 560059N 0141649E	17000 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or KRISTIANSTAD ATS.
ES R39 EKSJÖ	A circle with radius 1.6 NM (3000 m) centred on 574058N 0145334E	11000 ft AMSL ————— GND	Firing blasting and UAS. Permission obtainable from STOCKHOLM ACC.
ES R40 KOSTA	565429N 0153219E - 565229N 0153349E - 564959N 0153049E - 565023N 0152719E - 565259N 0152719E - 565429N 0153219E	18500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from STOCKHOLM ACC.
ES R41A RINGENÄS	564559N 0123350E - 564159N 0124050E - 564159N 0124340E - 564119N 0124410E - 564019N 0124220E - 563359N 0124220E - 563559N 0123310E - 563959N 0122950E - 564259N 0122950E - 564559N 0123350E	40500 ft AMSL ————— GND	Firing, blasting, target towing and UAS. Permission obtainable from MALMÖ ACC or HALMSTAD ATS.
ES R41B RINGENÄS	564559N 0123350E - 564329N 0124150E - 564119N 0124450E - 563359N 0124220E - 564019N 0124220E - 564119N 0124410E - 564159N 0124340E - 564159N 0124050E - 564559N 0123350E	3500 ft AMSL ————— GND	Target towing and UAS. Permission obtainable from MALMÖ ACC or HALMSTAD ATS.
ES R43 SÄGEBACKEN	582749N 0115513E - 582739N 0120127E - 582458N 0120150E - 582115N 0115747E - 582250N 0114919E - 582446N 0114755E - 582749N 0115513E	12500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC, LANDVETTER, TROLLHÄTTAN or SÄTENÄS ATS.
ES R45 MARMA	603351N 0172642E - 603243N 0173254E - 603011N 0173049E - 602709N 0172519E - 603351N 0172642E	14000 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from STOCKHOLM ACC.
ES R46 JUNKÖN	653225N 0221943E - 652355N 0223243E - 651955N 0221943E - 652825N 0220643E - 653225N 0221943E	6000 ft AMSL ————— GND	Firing, blasting and bombing/CAS. Permission obtainable from KALLAX ATS. Established (Swedish public holidays excluded) MON-THU 0730-1500 (0630-1400) FRI 0730-1100 (0630-1000) During the period 15 SEP- 1 APR also TUE and THU 1500-2100 (1400-2000).
ES R47 SAREK	673314N 0171211E - 673109N 0172407E - 673306N 0173438E - 673105N 0174536E - 672324N 0175841E - 672408N 0180515E - 672309N 0180815E - 671057N 0181818E - 670324N 0181545E - 670219N 0180059E - 670354N 0173716E - 671034N 0170826E - 672425N 0170442E - 673314N 0171211E	FL 100 ————— GND	National Park. Permission obtainable from Swedish Transport Agency. Permission not required for aircraft engaged in police, medical aid, rescue operations in accordance with Civil Protection Act (2003:778) or reindeer husbandry according to the Reindeer Husbandry Act (1971:437).

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R49 SÄTENÄS	583058N 0124050E - 583058N 0124550E - 582458N 0125450E - 582158N 0124450E - 582758N 0123750E - 583058N 0124050E	7500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from Sätenäs ATS and Landvetter ATS
ES R49A SÄTENÄS	583058N 0124050E - 583058N 0124550E - 582458N 0125450E - 582258N 0124810E - 582658N 0124229E - 582758N 0124026E - 582928N 0123920E - 583058N 0124050E	7500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from Sätenäs ATS and Landvetter ATS.
ES R49B SÄTENÄS	582928N 0123920E - 582758N 0124026E - 582658N 0124229E - 582258N 0124810E - 582158N 0124450E - 582758N 0123750E - 582928N 0123920E	7500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from Sätenäs ATS and Landvetter ATS.
ES R49C SÄTENÄS	582934N 0124114E - 582934N 0124437E - 582658N 0124553E - 582642N 0124420E - 582658N 0124229E - 582758N 0124026E - 582934N 0124114E	7500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from Sätenäs ATS and Landvetter ATS.
ES R50 MÄSTOCKA	564329N 0130650E - 564329N 0132250E - 563659N 0132150E - 563259N 0131550E - 563939N 0130050E - 564329N 0130650E	11000 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC, HALMSTAD ATS or ÄNGELHOLM ATS.
ES R51A KALIXFORS	674659N 0202044E - 674554N 0203044E - 674323N 0203652E - 674007N 0203743E - 674208N 0202510E - 674405N 0202018E - 674659N 0202044E	14000 ft AMSL ————— GND	Firing and blasting. UAS up to 1900 ft AMSL. Permission obtainable from STOCKHOLM ACC or KIRUNA ATS.
ES R51B KALIXFORS	674745N 0201710E - 674659N 0202044E - 674405N 0202018E - 674404N 0201427E - 674734N 0201514E - 674745N 0201710E	14000 ft AMSL ————— GND	Firing and blasting. UAS up to 1900 ft AMSL. Permission obtainable from STOCKHOLM ACC or KIRUNA ATS.
ES R52 SOLLIDEN	565238N 0163713E - 565155N 0163912E - 565126N 0163850E - 565049N 0163738E - 565129N 0163548E - 565234N 0163548E - 565238N 0163713E	2000 ft AMSL ————— GND	Established 1 JUN-20 AUG Special permission by Swedish Transport Agency is required with the following exceptions: Military aircraft and Swedish aircraft used by Police, Swedish Armed Forces, Coastguard, National Land Survey and aircraft engaged in rescue operations in accordance with Civil Protection Act (2003:778).
ES R53 STORA SJÖFALLET	674805N 0173707E - 674129N 0180937E - 672645N 0184915E - 672354N 0184312E - 672202N 0182815E - 672633N 0181425E - 672408N 0180515E - 672324N 0175841E - 673105N 0174536E - 673306N 0173438E - 673109N 0172407E - 673314N 0171211E - 673404N 0171102E - 674805N 0173707E	FL 95 ————— GND	National Park. Permission obtainable from Swedish Transport Agency. Permission not required for aircraft engaged in police, medical aid, rescue operations in accordance with Civil Protection Act (2003:778) or reindeer husbandry according to the Reindeer Husbandry Act (1971:437).
ES R55A KABUSA	552629N 0135750E - 552629N 0135949E - 551659N 0140619E - 551659N 0135550E - 552124N 0134750E - 552629N 0135750E	27500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC.
ES R56 FALUN	603857N 0153948E - 603857N 0154548E - 603627N 0154548E - 603627N 0153948E - 603857N 0153948E	8000 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from STOCKHOLM ACC.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R57 PADJELANTA	674433N 0163720E - 673404N 0171102E - 673314N 0171211E - 672425N 0170442E - 671034N 0170826E - 670614N 0170946E - 671026N 0164735E - 670851N 0163846E - 671442N 0163346E - 671311N 0162302E - Swedish/Norwegian border northward to 674433N 0163720E	FL 90 ----- GND	National Park. Permission obtainable from Swedish Transport Agency. Permission not required for aircraft engaged in police, medical aid, rescue operations in accordance with Civil Protection Act (2003:778) or reindeer husbandry according to the Reindeer Husbandry Act (1971:437).
ES R58A TÅME	650325N 0214244E - 645455N 0214444E - 644835N 0212944E - 644911N 0211514E - 645925N 0211844E - 650325N 0214244E	40500 ft AMSL ----- GND	Firing, blasting, bombing/CAS, target towing and UAS. Permission obtainable from STOCKHOLM ACC or SKELLEFTEÅ ATS.
ES R58B TÅME	650255N 0212244E - 650115N 0212944E - 645925N 0211844E - 645355N 0211650E - 645655N 0210944E - 650156N 0211245E - 650255N 0212244E	3500 ft AMSL ----- GND	Target towing and UAS. Permission obtainable from STOCKHOLM ACC or SKELLEFTEÅ ATS.
ES R59 KUSTRÅSK	655655N 0212944E - 655555N 0213544E - 655225N 0213544E - 655155N 0212444E - 655455N 0212044E - 655655N 0212944E	15500 ft AMSL ----- GND	Firing, blasting, UAS and target towing. Permission obtainable from STOCKHOLM ACC or KALLAX ATS.
ES R60 LYSEKIL	582458N 0104221E - 582458N 0111151E - 581028N 0112221E - 575358N 0111851E - 575358N 0110251E - 581528N 0105051E - 582458N 0104221E	40500 ft AMSL ----- GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or LANDVETTER ATS.
ES R61 SÄNFJÄLLET	622026N 0132849E - 622026N 0134019E - 621556N 0134149E - 621326N 0133549E - 621326N 0132519E - 621456N 0132419E - 622026N 0132849E	FL 70 ----- GND	National Park. Permission obtainable from Swedish Transport Agency. Permission not required for aircraft engaged in police, medical aid, rescue operations in accordance with Civil Protection Act (2003:778) or reindeer husbandry according to the Reindeer Husbandry Act (1971:437).
ES R62 SISJÖN	573905N 0115950E - 573658N 0120250E - 573458N 0115950E - 573628N 0115620E - 573905N 0115950E	1800 ft AMSL ----- GND	Firing and blasting. UAS up to 1000 ft AMSL. Permission obtainable from MALMÖ ACC or LANDVETTER ATS.
ES R63A STURKÖ NORD	560659N 0152849E - 560659N 0153719E - 560349N 0154719E - 555659N 0154719E - 555359N 0153949E - 555959N 0153949E - 560229N 0153604E - 560416N 0152349E - 560659N 0152849E	40500 ft AMSL ----- GND	Firing, blasting, UAS and target towing. Permission obtainable from MALMÖ ACC or RONNEBY ATS.
ES R63B STURKÖ SYD	560416N 0152349E - 560229N 0153604E - 555959N 0153949E - 555359N 0153949E - 555429N 0153349E - 555759N 0152749E - 560416N 0152349E	40500 ft AMSL ----- GND	Firing, blasting, UAS and target towing. Permission obtainable from MALMÖ ACC or RONNEBY ATS.
ES R63C STURKÖ INRE	561123N 0153027E - 560953N 0154829E - 560349N 0154719E - 560659N 0153719E - 560659N 0152849E - 561123N 0153027E	3500 ft AMSL ----- GND	Firing, blasting, target towing and UAS. Permission obtainable from MALMÖ ACC or RONNEBY ATS.
ES R63D STURKÖ POTTNEHOLMEN	560854N 0153920E - 560854N 0153954E - 560830N 0153954E - 560830N 0153920E - 560854N 0153920E	2200 ft AMSL ----- GND	Blasting and UAS. Permission obtainable from MALMÖ ACC or RONNEBY ATS.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R63E STURKÖ AU RUTA	560000N 0153300E - 560000N 0153700E - 555758N 0153700E - 555758N 0153300E - 560000N 0153300E	2200 ft AMSL ————— GND	Blasting and UAS. Permission obtainable from MALMÖ ACC or RONNEBY ATS.
ES R64M TORHAMN	560759N 0161648E - 555659N 0160648E - 560439N 0155039E - 560459N 0154949E - 560759N 0161648E	21500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or RONNEBY ATS.
ES R64S TORHAMN	561459N 0160248E - 560959N 0162948E - 560459N 0162948E - 554959N 0154719E - 560349N 0154719E - 561459N 0160248E	40500 ft AMSL ————— GND	Firing, blasting, UAS and target towing. Permission obtainable from MALMÖ ACC or RONNEBY ATS.
ES R66 ASKÖ	585458N 0174117E - 585158N 0175217E - 583804N 0175259E - 584358N 0173547E - 584728N 0173347E - 585158N 0173447E - 585458N 0174117E	7500 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from STOCKHOLM ACC.
ES R67 VECKHOLM	593106N 0172402E - 593048N 0172951E - 592916N 0172931E - 592741N 0172750E - 592950N 0172342E - 593106N 0172402E	2000 ft AMSL ————— GND	Firing and blasting. UAS up to 1500 ft AMSL. Permission obtainable from STOCKHOLM ACC.
ES R68 GRINDSJÖN	590528N 0174947E - 590528N 0175257E - 590258N 0175047E - 590428N 0174747E - 590528N 0174947E	2000 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from STOCKHOLM ACC. Established MON-FRI 0800-1530 (0700-1430).
ES R70A HÄRNÖN	624656N 0181146E - 624656N 0183946E - 623836N 0183946E - 622656N 0182046E - 622656N 0175647E - 623356N 0175847E - 624656N 0181146E	28000 ft AMSL ————— GND	Firing and UAS. Permission obtainable from STOCKHOLM ACC or SUNDSVALL ATS.
ES R70B PRÄSTHUS	624556N 0180746E - 624556N 0181051E - 623956N 0180447E - 623956N 0180032E - 624126N 0180047E - 624556N 0180746E	4500 ft AMSL ————— GND	Target towing and UAS. Permission obtainable from STOCKHOLM ACC or SUNDSVALL ATS.
ES R70C VANGSTA	623956N 0180032E - 623956N 0180946E - 623556N 0180547E - 623556N 0175947E - 623956N 0180032E	16500 ft AMSL ————— GND	Firing and UAS. Permission obtainable from STOCKHOLM ACC or SUNDSVALL ATS.
ES R70D SKÅRSVIKEN	623556N 0175747E - 623556N 0180047E - 623356N 0175847E - 623156N 0175807E - 623356N 0175247E - 623556N 0175747E	4500 ft AMSL ————— GND	Target towing and UAS Permission obtainable from STOCKHOLM ACC or SUNDSVALL ATS.
ES R71A NÄTTARÖ	585458N 0180724E - 584341N 0181404E - 583459N 0175457E - 583804N 0175259E - 585158N 0175217E - 585218N 0175747E - 585458N 0180724E	40500 ft AMSL ————— GND	Firing, blasting, target towing and UAS. Permission obtainable from STOCKHOLM ACC.
ES R71B NÄTTARÖ	585458N 0180724E - 584858N 0182548E - 584540N 0181827E - 584341N 0181404E - 585458N 0180724E	40500 ft AMSL ————— GND	Firing, blasting, target towing and UAS. Permission obtainable from STOCKHOLM ACC.
ES R71C NÄTTARÖ	590058N 0182917E - 585358N 0183047E - 584858N 0182548E - 585458N 0180724E - 590058N 0182917E	40500 ft AMSL ————— GND	Firing, blasting, target towing and UAS. Permission obtainable from STOCKHOLM ACC.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R71D NÄTTARÖ	584540N 0181827E - 584023N 0183024E - 583243N 0181147E - 582943N 0175817E - 583459N 0175457E - 584341N 0181404E - 584540N 0181827E	40500 ft AMSL ————— GND	Firing, blasting, target towing and UAS. Permission obtainable from STOCKHOLM ACC.
ES R71E NÄTTARÖ	590058N 0182917E - 585408N 0190132E - 584828N 0185017E - 584023N 0183024E - 584540N 0181827E - 584858N 0182548E - 585358N 0183047E - 590058N 0182917E	40500 ft AMSL ————— GND	Firing, blasting, target towing and UAS. Permission obtainable from STOCKHOLM ACC.
ES R74 ARVIDSJAUR	653525N 0190315E - 653525N 0190845E - 653355N 0191245E - 653125N 0191515E - 652955N 0191415E - 652825N 0190345E - 653255N 0190215E - 653525N 0190315E	15500 ft AMSL ————— GND	Firing, blasting and bombing/CAS. Permission obtainable from STOCKHOLM ACC or ARVIDSJAUR ATS.
ES R75 SKÖVDE	581928N 0135149E - 581858N 0135549E - 581528N 0135449E - 581558N 0134949E - 581928N 0135149E	10000 ft AMSL ————— GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or SKÖVDE AFIS.
ES R76 LOMBEN	661455N 0230842E - 660955N 0231242E - 660655N 0231142E - 660955N 0225543E - 661355N 0225643E - 661455N 0230842E	14500 ft AMSL ————— GND	Firing, blasting, bombing/CAS and UAS. Permission obtainable from STOCKHOLM ACC.
ES R77 SKOGSTIBBLE	594927N 0171747E - 594658N 0171847E - 594658N 0171347E - 594857N 0171347E - 594927N 0171747E	3500 ft AMSL ————— GND	Firing. UAS up to 1200 ft AMSL. Permission obtainable from STOCKHOLM ACC and UPPSALA ATS.
ES R78 HORSSJÖN	594657N 0134419E - 594557N 0134949E - 594147N 0134949E - 594157N 0134449E - 594357N 0134249E - 594657N 0134419E	8500 ft AMSL ————— GND	Firing and blasting. Permission obtainable from STOCKHOLM ACC or KARLSTAD ATS.
ES R85 HOLMÖGADD	634056N 0205045E - 634056N 0205515E - 633156N 0204615E - 633456N 0204015E - 634056N 0205045E	UNL ————— GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R87 SÖDERARM	595243N 0190635E - 595038N 0191356E - 594728N 0192216E - 594428N 0192446E - 593928N 0191146E - 594658N 0190247E - 595243N 0190635E	UNL ————— GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R88 LANDSORT	585328N 0174202E - 583958N 0175117E - 584839N 0173751E - 585328N 0174202E	UNL ————— GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R91 STÄRNÖ	A circle with radius 1.6 NM (3000 m) centred on 560829N 0145049E	UNL ————— GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R93 STYRSÖ	573918N 0114317E - 573918N 0114701E - 573721N 0114735E - 573644N 0114920E - 573528N 0114925E - 573458N 0114250E - 573918N 0114317E	UNL ————— GND	Permission required only when so is promulgated by NOTAM or AIP SUP.
ES R95 MARSTRAND	575711N 0114306E - 575623N 0114450E - 575435N 0114222E - 575458N 0113838E - 575711N 0114306E	UNL ————— GND	Permission required only when so is promulgated by NOTAM or AIP SUP.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R96 BERGA	590536N 0180806E - 590450N 0180852E - 590414N 0180640E - 590406N 0180635E - 590347N 0180524E - 590427N 0180412E - 590536N 0180806E	2200 ft AMSL — GND	Firing and blasting. UAS up to 1500 ft AMSL. Permission obtainable from STOCKHOLM ACC.
ES R97 KUMLA	A circle with radius 2000 m centred on 590715N 0150718E	2000 ft AMSL — GND	Prison. Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.2.2
ES R98 HALL	A circle with radius 2000 m centred on 590946N 0174059E	2000 ft AMSL — GND	Prison. Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.2.2
ES R99 TIDAHOLM	A circle with radius 2000 m centred on 581043N 0135558E	2000 ft AMSL — GND	Prison. Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.2.2
ES R100 SALTVIK	A circle with radius 2000 m centred on 623914N 0175343E	2000 ft AMSL — GND	Prison. Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.2.2
ES R101 NORRTÄLJE	A circle with radius 2000 m centred on 594612N 0184226E	2000 ft AMSL — GND	Prison. Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.2.2
ES R102 HAGA	A circle with radius 1000 m centred on 592150N 0180220E	2000 ft AMSL — GND	Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.2.2 With permission obtained from STOCKHOLM/Bromma ATS, crossing of the area according to visual flight rules may be carried out in conjunction with take-off or landing at STOCKHOLM/Bromma aerodrome. With permission obtained from STOCKHOLM/Bromma ATS or STOCKHOLM ACC crossing of the area with manned hot air balloon may be conducted at lowest 1000 ft AMSL, unless Swedish Transport Agency has temporarily revoked this option.
ES R103 REMMENE	580417N 0125956E - 580125N 0130014E - 580011N 0125635E - 580044N 0125404E - 580232N 0125256E - 580417N 0125956E	6500 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or LANDVETTER ATS.
ES R104 KÄNSÖ	573858N 0112851E - 573858N 0114350E - 573458N 0114650E - 572758N 0114151E - 572858N 0112851E - 573858N 0112851E	2500 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from MALMÖ ACC or LANDVETTER ATS.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R105 TUMBA	A circle with radius 1000 m centred on 591205N 0174930E	2000 ft AMSL — GND	Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.4.1
ES R106 VÄXJÖ	A circle with radius 1000 m centred on 565203N 0144943E	1600 ft AMSL — GND	Special permission by Swedish Transport Agency is required with the following exceptions: Aircraft on police and/or ambulance missions, military aircraft, SAR, aircraft on power line inspection, aircraft performing measurement assignment for VÄXJÖ/Kronoberg AD, aircraft engaged in rescue operations in accordance with Civil Protection act (2003:778) and UAS operating by Kronoberg Forensic Clinic.
ES R107 FORSMARK	A circle with radius 1 NM centred on 602412N 0181030E	2000 ft AMSL — GND	Nuclear power plant. Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.4.1
ES R108 OSKARSHAMN	A circle with radius 1 NM centred on 572454N 0164018E	2000 ft AMSL — GND	Nuclear power plant. Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.4.1
ES R109 RINGHALS	A circle with radius 1 NM centred on 571530N 0120636E	2000 ft AMSL — GND	Nuclear power plant. Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.4.1 and UAS operated by the nuclear power plant up to 120 m GND.
ES R110 HUDDINGE	A circle with radius 1000 m centred on 591252N 0175557E	1500 ft AMSL — GND	Special permission by Swedish Transport Agency is required, except for operators specified in ENR 5.1 para 2.4.1
ES R111 SÖRENTORP	A circle with radius 1 km centred on 592348N 0175929E	2000 ft AMSL — GND	Special permission by Swedish Transport Agency is required with the following exceptions: Military aircraft and Swedish aircraft used by Police, Swedish Armed Forces, Coastguard, National Land Survey and aircraft engaged in rescue operations in accordance with Civil Protection Act (2003:778), and aircraft engaged in ambulance operations.
ES R112 VÄLLINGE	A circle with radius 1.8 NM centred on 591543N 0174053E	2000 ft AMSL — GND	Firing, blasting and UAS. Permission obtainable from STOCKHOLM ACC.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R113 STOCKHOLM	592015N 0180200E - 592010N 0180509E - 591914N 0180429E - 591940N 0180141E - 592015N 0180200E	1000 ft AMSL — GND	Drone flights are prohibited with the following exceptions: Drones used by Police, Swedish Armed Forces, National Land Survey and Drones engaged in rescue operations in accordance with Civil Protection act (2003:778). Permission obtainable from the Swedish Transport Agency.
ES R114 DJURÖ	585235N 0132759E - 585232N 0132917E - 585117N 0133052E - 585008N 0133035E - 584933N 0132803E - 584924N 0132433E - 584953N 0132419E - 585235N 0132759E	1200 ft AMSL — GND	National Park Special permission by Swedish Transport Agency is required with the following exceptions: Swedish aircraft used by Police, Coastguard, Swedish Maritime Administration, National Land Survey, Swedish Customs Administration, County Government, National Park Manager, Ambulance and aircraft engaged in rescue operations in accordance with Civil Protection Act (2003:778).
ES R115 FULUFJÄLLET	614034N 0123741E - 613440N 0125503E - 612435N 0125531E - 612316N 0124941E - Swedish/Norwegian border northward to 613407N 0123125E - 613932N 0123015E - 614034N 0123741E	FL 70 — GND	National Park Special permission by Swedish Transport Agency is required with the following exceptions: Swedish Aircraft used by Police, Coastguard, Swedish Maritime Administration, National Land Survey, Swedish Customs Administration, County Government, National Park Manager, Ambulance and aircraft engaged in rescue operations in accordance with Civil Protection Act (2003:778).
ES R116 FÄRNEBOFJÄRDEN	601744N 0165024E - 601731N 0165238E - 601631N 0165258E - 601547N 0165447E - 601422N 0165346E - 601540N 0165139E - 601500N 0164941E - 601318N 0165159E - 601030N 0164634E - 600840N 0164855E - 600553N 0164327E - 600753N 0164141E - 600852N 0164422E - 601143N 0164211E - 601100N 0163917E - 601120N 0163832E - 601159N 0164139E - 601303N 0164125E - 601408N 0164506E - 601251N 0164744E - 601715N 0164841E - 601744N 0165024E	1200 ft AMSL — GND	National Park Special permission by Swedish Transport Agency is required with the following exceptions: Swedish aircraft used by Police, Coastguard, Swedish Maritime Administration, National Land Survey, Swedish Customs Administration, County Government, National Park Manager, Ambulance and aircraft engaged in rescue operations in accordance with Civil Protection Act (2003:778).
ES R200A TORSBY	604300N 0133700E - 601400N 0135100E - 601400N 0130200E - 602800N 0125000E - 604300N 0133700E	FL 195 — 5000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3.
ES R200B TORSBY	604600N 0142000E - 601400N 0144700E - 601400N 0135100E - 604300N 0133700E - 604600N 0142000E	FL 195 — 5000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3.
ES R204 ÄLLEBERG EXTENDED	581438N 0134522E - 581059N 0135710E - 580202N 0135804E - 574816N 0134800E - 574602N 0131157E - 580100N 0131529E - 581438N 0134522E	FL 195 — 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from MALMÖ ACC. Provisions: See ENR 5.1 para 2.3.

Restricted areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES R204A ÄLLEBERG EXTENDED	581438N 0134522E - 581059N 0135710E - 580202N 0135804E - 575454N 0135254E - 580100N 0131529E - 581438N 0134522E	FL 195 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from MALMÖ ACC. Provisions: See ENR 5.1 para 2.3.
ES R204B ÄLLEBERG EXTENDED	580100N 0131529E - 575454N 0135254E - 574816N 0134800E - 574602N 0131157E - 580100N 0131529E	FL 195 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from MALMÖ ACC. Provisions: See ENR 5.1 para 2.3.
ES R208 KATRINEHOLM	590400N 0154600E - 590400N 0160900E - 585400N 0160900E - 584300N 0151000E - 584900N 0151000E - 590400N 0154600E	FL 195 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3.
ES R208A KATRINEHOLM	590113N 0153920E - 584828N 0153920E - 584300N 0151000E - 584900N 0151000E - 590113N 0153920E	FL 195 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3.
ES R208B KATRINEHOLM	590400N 0154600E - 590400N 0160900E - 585400N 0160900E - 584828N 0153920E - 590113N 0153920E - 590400N 0154600E	FL 195 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3.
ES R209A BORLÄNGE	610000N 0154800E - 610000N 0165000E - 603317N 0165000E - 605059N 0153802E - 610000N 0154800E	FL 195 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3.
ES R209B BORLÄNGE	605059N 0153802E - 603317N 0165000E - 601200N 0165000E - 604100N 0152700E - 605059N 0153802E	FL 195 3000 ft AMSL	Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3.

3 Farliga områden

3.1 Allmänt

3.1.1 Farliga områden finns upprättade för att skydda luftfartyg från risker till följd av skjutning från marken och från luften, bombfällning, sprängning, målbogsering och annan för luftfart farlig verksamhet.

3.1.2 Farligt område är upprättat H24 om inte annat anges.

3.1.3 Flygning i farligt område bör av flygsäkerhetsskäl undvikas, om inte befälhavaren har förväntat sig om att flygning inom området kan ske utan risk.

Anm. Förutom risk för flygsäkerheten kan flygning i farligt område orsaka icke önskvärda störningar av och avbrott i pågående verksamhet inom området.

Anm. När förhållandena eller arten av verksamhet så kräver, kan föreskrifter utfärdas om hur fara skall undvikas.

3.1.4 Upplysning om pågående farlig verksamhet (skjutning, sprängning) kan inhämtas från den enhet som anges i kolumn 4 i förteckningen över farliga områden.

3.1.5 Sammanfaller farligt område eller del av detta med kontrollerat luftrum, innebär klarering för flygning i det kontrollerade luftrummet även att flygning kan ske utan risk inom av klareringens berörd del av det farliga området.

3.2 Område inom vilket skjutning från marken förekommer

3.2.1 Utöver de risker som orsakas av skjutningen som sådan kan stor kollisionsrisk samtidigt föreligga till följd av flygning med bogserat luftmål inom området. Bogserlinan, som är nästan osynlig i luften, är normalt 600 – 1500 m (2000 – 5000 ft) men i undantagsfall upp till 4500 m (14800 ft) lång. Det bogserade målet ligger vanligen 150 – 300 m (500 – 1000 ft) men i undantagsfall upp till 750 m (2500 ft) under bogserflygplanet.

3.3 Område inom vilket skjutning från luftfartyg mot luftmål förekommer

3.3.1 Vid skjutning mot luftmål förekommer flygning med bogserat luftmål (se mom 3.2.1) eller flygning med målrobot. Detta bör beaktas även om skjutning tillfälligt har avbrutits.

3.4 Dagbrott

3.4.1 Vid överflygning av dagbrott finns risk för tryckvågor och sprängsplittr.

3.5 Tillfälliga farliga områden

3.5.1 Tillfälligt upprättade farliga områden publiceras genom NOTAM.

3.6 Flight Plan Buffer Zone (FBZ)

FBZ är etablerade enbart med hänsyn till färdplanering. Det är tillåtet att färdplanera fram till gränsen av FBZ när dessa är aktiva. I rutt-beskrivningen i fält 15 ska hänsyn tas till den nominella storcirkeln mellan två punkter i färdplanen. När ett område är aktiverat ska FBZ koordinater användas för IFR färdplanering.

3 Danger areas

3.1 General

3.1.1 Danger areas are established to protect aircraft from risks caused by firing (ground-to-ground, ground-to-air, air-to-air, air-to-ground), bombing, blasting, target towing, and other activities hazardous to aircraft in flight.

3.1.2 Danger areas are established H24 unless otherwise specified.

3.1.3 On flight safety grounds, flight within danger areas should be avoided unless the pilot-in-command has ascertained that the area can be penetrated at no risk.

Note. Apart from encountering hazards to flight safety, flight within danger areas may cause undesirable interferences in and interruptions of the activity in progress within the area.

Note. When the conditions or the type of activity warrant it, provisions may be promulgated as to the avoidance of the hazards.

3.1.4 Information on dangerous activities in progress (firing, blasting) can be obtained from the unit specified in column 4 in the list of danger areas.

3.1.5 If a danger area or portion thereof coincides with a controlled airspace, an ATC clearance pertaining to this controlled airspace also implies that flight can be carried out at no risk within that portion of the danger area concerned by the clearance.

3.2 Areas where ground firing is being practised

3.2.1 In addition to the risks caused by the firing as such, a considerable collision hazard may exist owing to target-towing flights within the area. The tow-cable, being almost invisible in the air, is normally 600 – 1500 m (2000 – 5000 ft) but exceptionally up to 4500 m (14800 ft) long. The target being towed is usually 150 – 300 m (500 – 1000 ft) but exceptionally up to 750 m (2500 ft) below the towing aircraft.

3.3 Areas where air-to-air firing is being practised

3.3.1 In connection with air-to-air firing, target-towing flights (see para 3.2.1) or target missile flights may be carried out. This fact should be considered also when the firing activity has been temporarily interrupted.

3.4 Surface quarries

3.4.1 Aircraft overflying surface quarries are vulnerable to shock-waves and splinters.

3.5 Temporary danger areas

3.5.1 Temporary danger areas will be promulgated by NOTAM.

3.6 Flight Plan Buffer Zone (FBZ)

FBZ has been established for IFR flight planning purposes only. Flight plans can be filed up to the boundary of the FBZ when active. The route described in item 15 shall consider the nominal track between two points according to the great circle. When an area is activated use FBZ coordinates for IFR flight planning.

3.7 Förteckning över farliga områden / List of danger areas

Danger areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES D138 BORNHOLM NORTH	552959N 0151449E - 552959N 0154949E - 551959N 0154949E - 550300N 0151449E - 552959N 0151449E	20000 ft MSL — GND	AMC Manageable Area Firing. Request for allocation to be submitted 7 days prior to AMC SWEDEN, via e- mail to amc.sweden@lfv.se, stating requested HR, levelband, intended user and confirmation of type of activity. Planned activities will be notified by NOTAM. Pre-flight Information about activity can be obtained by AMC SWEDEN, H24, TEL +46 (0)40 613 27 01. In-flight information can be obtained by MALMÖ ACC. During firing the area will be surveilled by radar. Routes or levels that are free of the area will be assigned by MALMÖ ACC.
ES D139 BORNHOLM EAST	551959N 0154949E - 545500N 0154949E - 545500N 0151449E - 550300N 0151449E - 551959N 0154949E	50000 ft MSL — GND	AMC Manageable Area Firing. Request for allocation to be submitted 7 days prior to AMC SWEDEN, via e- mail to amc.sweden@lfv.se, stating requested HR, levelband, intended user and confirmation of type of activity. Planned activities will be notified by NOTAM. Pre-flight Information about activity can be obtained by AMC SWEDEN, H24, TEL +46 (0)40 613 27 01. In-flight information can be obtained by MALMÖ ACC. During firing the area will be surveilled by radar. Routes or levels that are free of the area will be assigned by MALMÖ ACC.
ES D155 AITIK	670541N 0205825E - 670315N 0205943E - 670254N 0205539E - 670521N 0205405E - 670541N 0205825E	4000 ft MSL — GND	Blasting/Surface quarry. Information about activity obtainable from Boliden Mineral, TEL +46 (0)910 77 40 71.
ES D160 SKAGEN	582458N 0103451E - 582458N 0104221E - 581528N 0105051E - 575358N 0110251E - 575358N 0110051E - 582458N 0103451E	40500 ft MSL — GND	Firing and blasting. Information about activity obtainable from MALMÖ ACC or LANDVETTER ATS.
ES D164 HANÖ NORTH	560659N 0150449E - 560416N 0152349E - 555759N 0152749E - 555429N 0153349E - 555810N 0144850E - 560629N 0145819E - 560659N 0150449E	40500 ft MSL — GND	Firing, blasting and target towing. Information about activity obtainable from MALMÖ ACC or RONNEBY ATS.
ES D165 HANÖ WEST	555810N 0144850E - 555629N 0150949E - 553959N 0150949E - 553959N 0143949E - 554959N 0143949E - 555810N 0144850E	40500 ft MSL — GND	Firing, blasting and target towing. Information about activity obtainable from MALMÖ ACC or RONNEBY ATS.
ES D166 HANÖ EAST	555629N 0150949E - 555359N 0153949E - 553959N 0153949E - 553959N 0150949E - 555629N 0150949E	40500 ft MSL — GND	Firing, blasting and target towing. Information about activity obtainable from MALMÖ ACC or RONNEBY ATS.

Danger areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES D171 HÄRNÖN EAST	623836N 0183946E - 622656N 0183946E - 622656N 0182046E - 623836N 0183946E	40500 ft MSL — GND	Firing. Information about activity obtainable from STOCKHOLM ACC.
ES D175E KOPPARSTENARNA	585408N 0190132E - 584328N 0191947E - 583304N 0184849E - 584023N 0183024E - 584828N 0185017E - 585408N 0190132E	40500 ft MSL — GND	Firing, blasting and target towing. Information about activity obtainable from STOCKHOLM ACC.
ES D175S KOPPARSTENARNA	584023N 0183024E - 583304N 0184849E - 581813N 0180542E - 582943N 0175817E - 583243N 0181147E - 584023N 0183024E	40500 ft MSL — GND	Firing, blasting and target towing. Information about activity obtainable from STOCKHOLM ACC.
ES D177 KÅGE	A circle with radius 2000 m centred on 645525N 0203544E	4000 ft MSL — GND	Blasting/surface quarry. Information about activity obtainable from Mandalay Resources Björkdalsgruvan AB, TEL +46 (0)910 725 750.
ES D178 SALA	A circle with radius 500 m centred on 595430N 0163359E	4500 ft MSL — GND	Blasting/Surface quarry. Information about activity obtainable from Björka Mineral AB, TEL +46 (0)768 23 75 02 or +46 (0)224 563 92.
ES D179 GRUVBERGET/ SVAPPAVAARA	673931N 0205916E - 673931N 0210004E - 673926N 0210029E - 673917N 0210051E - 673812N 0210228E - 673732N 0210138E - 673746N 0210022E - 673845N 0205820E - 673902N 0205812E - 673920N 0205830E - 673931N 0205916E	3000 ft MSL — GND	Blasting/Surface quarry. Information about activity obtainable from LKAB, TEL +46 (0)980 710 01.
ES D180 KAUNISVAARA	672633N 0231821E - 672539N 0232407E - 672333N 0232110E - 672426N 0231551E - 672633N 0231821E	4500 ft MSL — GND	Blasting/Surface quarry. Information about activity obtainable from Kaunis Iron, TEL +46 (0)70-377 35 22.
ES D181 MERTAINEN-KIRUNA	A circle with radius 1 NM centred on 674525N 0204703E	4000 ft MSL — GND	Blasting/Surface quarry. Established daily 0600-2100 (0500-2000). Information about activity obtainable from LKAB, TEL +46 (0)705 435 253.
ES D182 SATTAVAARA	A circle with radius 2000 m centred on 675247N 0210353E	UNL — GND	Laser activity. Information about activity obtainable from KIRUNA ATS or STOCKHOLM ACC.
ES D184 BOTHNIA NORTH	652809N 0231158E - 652233N 0235437E - 644100N 0225500E - 635829N 0215742E - 635829N 0211550E - 650137N 0220919E - 645832N 0222344E - 652626N 0230143E - 652809N 0231158E	FL 660 — FL 095	AMC Manageable Area The area may be used for cross border operations together with adjacent area in Helsinki FIR in accordance with agreements between Sweden and Finland. Planned activities will be notified by eAUP.
ES D184Z BOTHNIA NORTH	653120N 0231140E - 652509N 0235847E - 644100N 0225500E - 635529N 0215433E - 635529N 0210601E - 650550N 0220520E - 650229N 0222056E - 652849N 0225641E - 653120N 0231140E	FL 660 — FL 095	For IFR flight planning purposes only

Danger areas			
Identification Name	Lateral limits	Vertical limits	Remarks (nature of hazard, permission unit, time of activity)
ES D185 BOTHNIA SOUTH	635829N 0215742E - 633700N 0213000E - 633619N 0212603E - 634224N 0210302E - 635829N 0211550E - 635829N 0215742E	FL 660 ----- FL 095	AMC Manageable Area The area may be used for cross border operations together with adjacent area in Helsinki FIR in accordance with agreements between Sweden and Finland. Planned activities will be notified by eAUP.
ES D185Z BOTHNIA SOUTH	640129N 0211059E - 640129N 0220231E - 633700N 0213000E - 633458N 0211759E - 634105N 0205449E - 640129N 0211059E	FL 660 ----- FL 095	For IFR flight planning purposes only
ES D186 TRÅNGSLET DAMMEN	A circle with radius 1000 M centred on 612244N 0134402E	1000 ft MSL ----- GND	Blasting and UAS. Established MON-THU 0800-1800. Information about activity obtainable from Vattenrallarn AB, TEL +46 (0)706 328 830.
ES D187 HULTSFRED	573200N 0154849E - 573139N 0155028E - 573055N 0155019E - 573130N 0154813E - 573146N 0154728E - 573155N 0154806E - 573200N 0154849E	1500 ft MSL ----- GND	Flying with Drones Established daily 0300-2000 (0200-1900) Information about activity obtainable from Hultsfred airport frequency 123,550 MHz. or phone +46 (0)721 994 534, alt +46 (0)730 969 552.