

SE-601 73 NORRKÖPING. Phone +46 11 415 21 00. Fax +46 11-415 22 50. AFTN ESALYAYX

 Principal changes included in this Amendment./
 Ändringens huvudsakliga innehåll.

 Do not insert in AIP until/Sätt ej in i
 AIP förrän **5 JUL 2007**

| Subject(s) | AIRAC Changes | AIP page |
|-------------|--------------------|----------|
| L87/ UL87 | New ATS Route | ENR 3.1 |
| P608/ UP608 | Extended ELTOK-TRS | |

| Subject(s) | Non AIRAC changes Effective on receipt. Users are advised not to insert the replacement pages before the effective date of this Amendment. Any NOTAM preceding the changes below will remain in force until the AIRAC date. | AIP page |
|-----------------------|--|-----------|
| Navigation warnings | Editorial | ENR 5 |
| GÄLLIVARE AD | Rescue and fire fighting | AD 2 ESNG |
| HALMSTAD AD | Rescue and fire fighting | AD 2 ESMT |
| SVEG AD | Various changes | AD 2 ESND |
| HELSINGBORG/Hammen AD | Heliport (ESHH) withdrawn from use | AD 2 ESHH |
| UPPSALA/Viktoriad AD | Heliport (ESEI) withdrawn from use | AD 2 ESEI |

 Remove the following old pages:
 Tag bort följande gamla sidor:

| | |
|-----|--|
| GEN | 0-4-1/2 0-4-3/4 0-4-5/6 |
| | 2-4-1/2 2-4-3/4 |
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 Insert the following new pages:
 Sätt in följande nya sidor:

| | |
|-----|--|
| GEN | 0-4-1/2 0-4-3/4 0-4-5/6 |
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Remove the following old pages:
Tag bort följande gamla sidor:

| | |
|------|--|
| AD 1 | 1.3-1/2 1.3-5 1.3-7/8 |
| AD 2 | GÄLLIVARE ESNG-1-1/2 HALMSTAD ESMT-1-1/2 JÖNKÖPING ESGJ-1-5/6 KALMAR ESMQ-4-1 KARLSBORG ESIA-1-3/4 LINKÖPING/SAAB ESSL-2-1 MORA/Siljan ESKM-1-3/4 ESKM-2-1 RONNEBY ESDF-4-1 SKÖVDE ESGR-2-1 STOCKHOLM/Arlanda ESSA 4-1 SUNDSVALL-HÄRNÖSAND ESNN-1-1/2 ESNN-1-3/4 ESNN-2-1 SVEG ESND-1-1/2 ESND-1-3/4 ESND-1-5/6 ESND-2-1 TROLLHÄTTAN ESGT-2-1 |
| AD 3 | 3-1-1/2 3-1-3/4 |
| AD 4 | 4-1-3/4 4-1-9/10 4-1-11/12 |

Insert the following new pages:
Sätt in följande nya sidor:

| | |
|------|--|
| AD 1 | 1.3-1/2 1.3-5 1.3-7/8 |
| AD 2 | GÄLLIVARE ESNG-1-1/2 HALMSTAD ESMT-1-1/2 JÖNKÖPING ESGJ-1-5/6 KALMAR ESMQ 4-1 KARLSBORG ESIA-1-3/4 LINKÖPING/SAAB ESSL-2-1 MORA/Siljan ESKM-1-3/4 ESKM-2-1 RONNEBY ESDF 4-1 SKÖVDE ESGR-2-1 STOCKHOLM/Arlanda ESSA 4-1 SUNDSVALL-HÄRNÖSAND ESNN-1-1/2 ESNN-1-3/4 ESNN-2-1 SVEG ESND-1-1/2 ESND-1-3/4 ESND-1-5/6 ESND-2-1 TROLLHÄTTAN ESGT-2-1 |
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Record the Amendment on page GEN 0.2–1.
Anteckna ändringen på sida GEN 0.2–1.

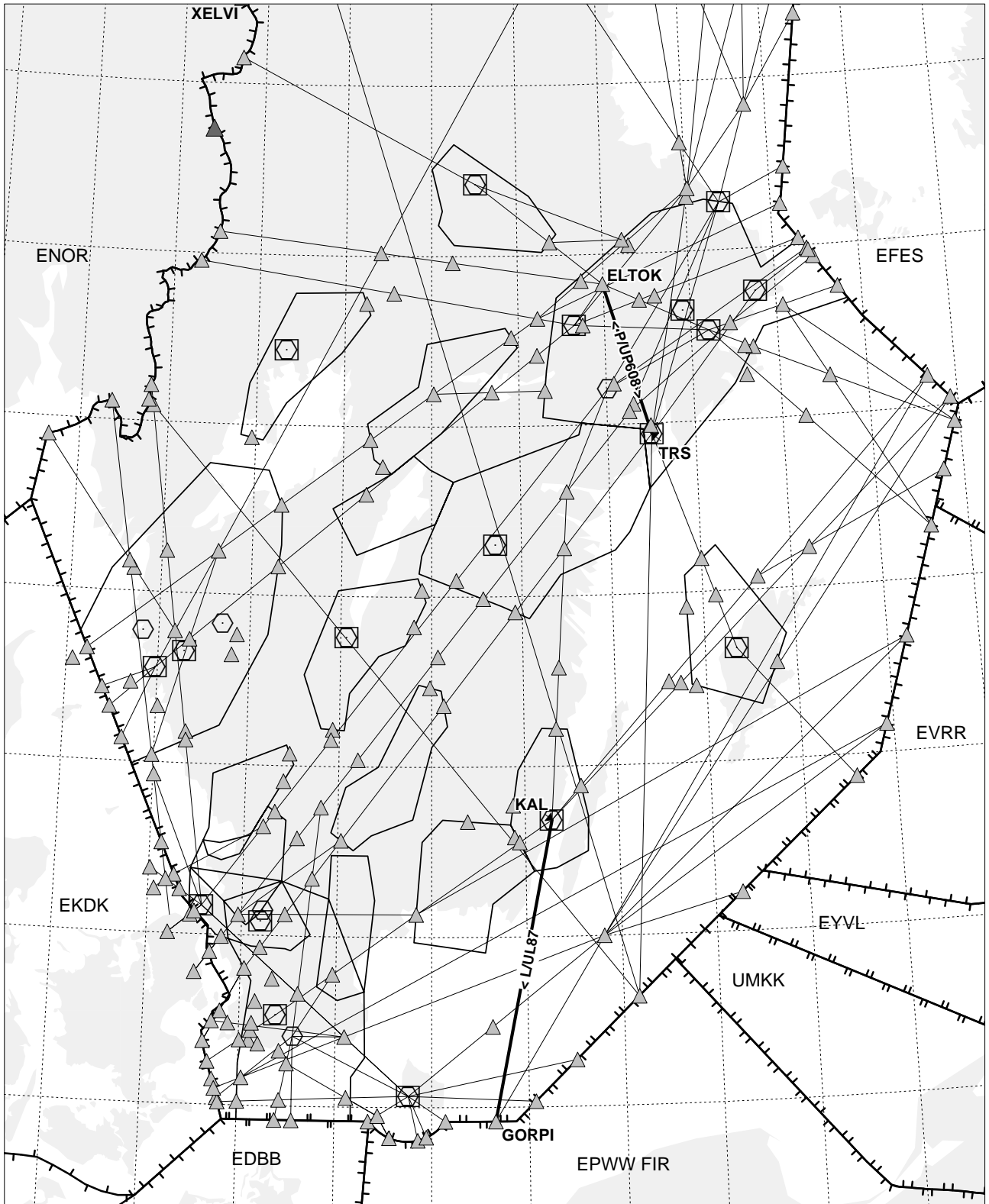
This Amendment incorporates certain NOTAMs which will be cancelled by NOTAMC issued by NOF (ESSAYNYX), 15 days after effective date of this Amendment.
I denna ändring har vissa NOTAM inarbetats vilka kommer att cancelleras med NOTAMC som utges genom NOF (ESSAYNYX), 15 dagar efter ikraftträdandet av denna ändring.

Series A: -
Series B: 0529/07
Series C: 290/07, 326/07

For comments, please contact: asd.aip-prod@lfv.se

- E N D / S L U T -

FOR ORIENTATION PURPOSE ONLY



GEN 0.4 Kontrollista/Checklist of AIP pages

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| GEN 1 | | 2-3-3 | 15 FEB 2007 | | | | |
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| ESGG-5-2 | 21 DEC 2006 | ESUT-1-2 | 21 DEC 2006 | ESMQ-5-2 | 17 MAR 2005 | ESNQ-5-5 | 4 AUG 2005 |
| ESGG-5-3 | 21 DEC 2006 | ESUT-1-3 | 19 JAN 2006 | ESMQ-5-3 | 17 MAR 2005 | ESNQ-5-7 | 4 AUG 2005 |
| ESGG-5-4 | 21 DEC 2006 | ESUT-1-4 | 19 JAN 2006 | ESMQ-5-4 | 17 MAR 2005 | ESNQ-5-8 | 4 AUG 2005 |
| ESGG-5-5 | 21 DEC 2006 | ESUT-1-5 | 21 DEC 2006 | ESMQ-5-5 | 17 MAR 2005 | ESNQ-6-1 | 22 MAR 2004 |
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| ESGP-4-1 | 7 JUL 2005 | ESNJ-1-1 | 12 MAY 2005 | ESKK-6-1 | 12 APR 2007 | ESMK-1-3 | 14 APR 2005 |
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| ESMT-4-9 | 24 NOV 2005 | ESMQ-1-5 | 1 JAN 2005 | ESNQ-3-1 | 29 NOV 2004 | | |
| ESMT-4-10 | 24 NOV 2005 | ESMQ-1-6 | 1 JAN 2005 | ESNQ-4-1 | 7 JUN 2007 | ESSL-1-1 | 13 APR 2006 |
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| ESMT-4-14 | 24 NOV 2005 | ESMQ-4-1 | 5 JUL 2007 | ESNQ-4-6 | 15 APR 2004 | ESSL-1-5 | 9 JUN 2005 |
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| ESPA-1-4 | 19 JAN 2006 | ESMS-5-8 | 17 FEB 2005 | ESDF-3-1 | 12 APR 2007 | ESSA-2-7 | 12 APR 2007 |
| ESPA-1-5 | 18 JAN 2007 | ESMS-6-1 | 1 DEC 2003 | ESDF 4-1 | 5 JUL 2007 | ESSA-2-8 | 12 APR 2007 |
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| ESPA-3-7 | 24 FEB 2003 | ESKM-1-5 | 4 OCT 2004 | ESDF-5-6 | 5 AUG 2004 | ESSA-3-9 | 21 APR 2003 |
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| ESPA-4-4 | 19 JAN 2006 | ESKM-2-1 | 5 JUL 2007 | | | ESSA-4-3 | 9 JUN 2005 |
| ESPA-4-5 | 19 JAN 2006 | ESKM-3-1 | 7 JUN 2007 | ESNS-1-1 | 22 DEC 2005 | ESSA-4-5 | 29 SEP 2005 |
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| ESNL-5-4 | 12 APR 2007 | | | | | ESSA-4-37 | 8 JUN 2006 |
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| ESSA-5-10 | 12 APR 2007 | ESOW-5-3 | 7 JUL 2005 | ESNY-1-2 | 8 JUN 2006 | ESCM-1-5 | 24 NOV 2005 |
| ESSA-5-11 | 12 APR 2007 | ESOW-5-5 | 7 JUL 2005 | ESNY-1-3 | 22 DEC 2005 | | |
| ESSA-6-1 | 12 APR 2007 | ESOW-5-6 | 22 DEC 2005 | ESNY-1-4 | 22 DEC 2005 | | |
| | | ESOW-6-1 | 19 JAN 2006 | ESNY-1-5 | 12 MAY 2005 | ESPE-1-1 | 22 DEC 2005 |
| ESSB-1-1 | 14 APR 2005 | | | ESNY-1-6 | 18 JAN 2007 | ESPE-1-2 | 22 DEC 2005 |
| ESSB-1-2 | 14 APR 2005 | ESUD-1-1 | 6 JUL 2006 | ESNY-2-1 | 22 DEC 2005 | ESPE-1-3 | 22 DEC 2005 |
| ESSB-1-3 | 14 APR 2005 | ESUD-1-2 | 13 APR 2006 | ESNY-5-1 | 31 OCT 2002 | ESPE-1-4 | 13 APR 2006 |
| ESSB-1-4 | 14 APR 2005 | ESUD-1-3 | 13 APR 2006 | ESNY-5-2 | 31 OCT 2002 | ESPE-1-5 | 16 JUN 2003 |
| ESSB-1-5 | 21 DEC 2006 | ESUD-1-4 | 13 APR 2006 | ESNY-5-3 | 31 OCT 2002 | | |
| ESSB-1-6 | 21 DEC 2006 | ESUD-1-5 | 13 APR 2006 | | | ESNV-1-1 | 19 JAN 2006 |
| ESSB-1-7 | 14 APR 2005 | ESUD-1-6 | 13 APR 2006 | ESST-1-1 | 24 NOV 2005 | ESNV-1-2 | 12 APR 2007 |
| ESSB-1-8 | 14 APR 2005 | ESUD-1-7 | 13 APR 2006 | ESST-1-2 | 29 SEP 2005 | ESNV-1-3 | 19 JAN 2006 |
| ESSB-1-9 | 14 APR 2005 | ESUD-5-1 | 13 APR 2006 | ESST-1-3 | 29 SEP 2005 | ESNV-1-4 | 19 JAN 2006 |
| ESSB-1-10 | 14 APR 2005 | ESUD-5-2 | 13 APR 2006 | ESST-1-4 | 23 NOV 2006 | ESNV-1-5 | 19 JAN 2006 |
| ESSB-1-11 | 14 APR 2005 | ESUD-5-3 | 13 APR 2006 | ESST-1-5 | 23 NOV 2006 | ESNV-1-6 | 19 JAN 2006 |
| ESSB-1-12 | 14 APR 2005 | ESUD-5-4 | 13 APR 2006 | ESST-1-6 | 24 NOV 2005 | ESNV-1-7 | 11 MAY 2006 |
| ESSB-1-13 | 10 MAY 2007 | ESUD-5-5 | 13 APR 2006 | ESST-2-1 | 24 NOV 2005 | ESNV-2-1 | 11 MAY 2006 |
| ESSB-1-14 | 10 MAY 2007 | ESUD-6-1 | 13 APR 2006 | ESST-5-1 | 29 SEP 2005 | ESNV-5-1 | 2 DEC 2002 |
| ESSB-1-15 | 10 MAY 2007 | ESUD-6-2 | 13 APR 2006 | ESST-5-2 | 29 SEP 2005 | ESNV-5-2 | 2 DEC 2002 |
| ESSB-1-17 | 14 APR 2005 | | | ESST-5-3 | 29 SEP 2005 | ESNV-5-3 | 2 DEC 2002 |
| ESSB-2-1 | 18 JAN 2007 | ESNN-1-1 | 22 DEC 2005 | ESST-5-5 | 29 SEP 2005 | ESNV-5-4 | 2 DEC 2002 |
| ESSB-2-3 | 21 DEC 2006 | ESNN-1-2 | 5 JUL 2007 | ESST-5-6 | 29 SEP 2005 | ESNV-6-1 | 13 APR 2006 |
| ESSB-3-1 | 4 NOV 1999 | ESNN-1-3 | 22 DEC 2005 | ESST-6-1 | 24 NOV 2005 | | |
| ESSB-4-1 | 12 JUN 2003 | ESNN-1-4 | 5 JUL 2007 | | | | |
| ESSB-4-2 | 24 NOV 2005 | ESNN-1-5 | 21 FEB 2005 | ESGT-1-1 | 31 AUG 2006 | ESSV-1-1 | 6 JUL 2006 |
| ESSB-4-3 | 18 APR 2002 | ESNN-1-6 | 18 JAN 2007 | ESGT-1-2 | 16 FEB 2006 | ESSV-1-2 | 6 JUL 2006 |
| ESSB-4-4 | 18 APR 2002 | ESNN-1-7 | 31 AUG 2006 | ESGT-1-3 | 16 FEB 2006 | ESSV-1-3 | 6 JUL 2006 |
| ESSB-4-5 | 12 JUN 2003 | ESNN-1-8 | 31 AUG 2006 | ESGT-1-4 | 16 FEB 2006 | ESSV-1-4 | 21 FEB 2005 |
| ESSB-4-6 | 18 APR 2002 | ESNN-1-9 | 22 DEC 2005 | ESGT-1-5 | 14 JUL 2003 | ESSV-1-5 | 17 FEB 2005 |
| ESSB-5-1 | 2 DEC 2002 | ESNN-2-1 | 5 JUL 2007 | ESGT-1-6 | 12 JUL 2004 | ESSV-1-6 | 6 JUL 2006 |
| ESSB-5-2 | 2 DEC 2002 | ESNN-3-1 | 15 JUL 2002 | ESGT-1-7 | 16 MAY 2002 | ESSV-1-7 | 6 JUL 2006 |
| ESSB-5-3 | 2 DEC 2002 | ESNN-3-3 | 15 JUL 2002 | ESGT-2-1 | 5 JUL 2007 | ESSV-1-8 | 6 JUL 2006 |
| ESSB-5-4 | 2 DEC 2002 | ESNN-4-1 | 7 JUN 2007 | ESGT-3-1 | 25 MAR 1999 | ESSV-2-1 | 6 JUL 2006 |
| ESSB-6-1 | 12 APR 2007 | ESNN-4-3 | 22 DEC 2005 | ESGT-5-1 | 5 AUG 2004 | ESSV-3-1 | 19 MAY 2003 |
| ESSB-6-2 | 12 APR 2007 | ESNN-4-4 | 22 DEC 2005 | ESGT-5-2 | 5 AUG 2004 | ESSV-4-1 | 10 MAY 2007 |
| ESSB-6-3 | 10 MAY 2007 | ESNN-4-5 | 22 DEC 2005 | ESGT-5-3 | 5 AUG 2004 | ESSV-4-3 | 17 FEB 2005 |
| ESSB-6-4 | 10 MAY 2007 | ESNN-4-6 | 13 APR 2006 | ESGT-6-1 | 1 NOV 2004 | ESSV-4-4 | 17 FEB 2005 |
| | | ESNN-5-1 | 22 DEC 2005 | | | ESSV-4-5 | 17 FEB 2005 |
| | | ESNN-5-2 | 22 DEC 2005 | | | ESSV-4-6 | 17 FEB 2005 |
| | | ESNN-5-3 | 22 DEC 2005 | | | ESSV-5-1 | 17 FEB 2005 |
| ESKN-1-1 | 29 SEP 2005 | ESNN-5-4 | 22 DEC 2005 | ESNU-1-1 | 19 JAN 2006 | ESSV-5-2 | 17 FEB 2005 |
| ESKN-1-2 | 13 APR 2006 | ESNN-5-5 | 22 DEC 2005 | ESNU-1-2 | 13 APR 2006 | ESSV-5-3 | 17 FEB 2005 |
| ESKN-1-3 | 13 APR 2006 | ESNN-5-7 | 22 DEC 2005 | ESNU-1-3 | 13 APR 2006 | ESSV-5-4 | 21 FEB 2005 |
| ESKN-1-4 | 13 APR 2006 | ESNN-5-8 | 22 DEC 2005 | ESNU-1-4 | 13 APR 2006 | ESSV-5-5 | 17 FEB 2005 |
| ESKN-1-5 | 29 SEP 2005 | ESNN-6-1 | 24 NOV 2005 | ESNU-1-5 | 12 MAY 2005 | | |
| ESKN-1-6 | 13 APR 2006 | | | | | | |

| SIDA/ PAGE | DATUM/ DATE | SIDA/ PAGE | DATUM/ DATE | SIDA/ PAGE | DATUM/ DATE | SIDA/ PAGE | DATUM/ DATE |
|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| ESSV-5-7 | 17 FEB 2005 | ESOE-1-1 | 8 JUN 2006 | | | | |
| ESSV-5-8 | 17 FEB 2005 | ESOE-1-2 | 8 JUN 2006 | | | | |
| ESSV-6-1 | 24 NOV 2005 | ESOE-1-3 | 16 MAR 2006 | | | | |
| | | ESOE-1-4 | 16 MAR 2006 | | | | |
| | | ESOE-1-5 | 16 MAR 2006 | | | | |
| ESMX-1-1 | 18 JAN 2007 | ESOE-1-6 | 16 MAR 2006 | | | | |
| ESMX-1-2 | 4 AUG 2005 | ESOE-1-7 | 21 FEB 2005 | | | | |
| ESMX-1-3 | 18 JAN 2007 | ESOE-1-8 | 21 FEB 2005 | | | | |
| ESMX-1-4 | 18 JAN 2007 | ESOE-2-1 | 12 APR 2007 | | | | |
| ESMX-1-5 | 12 MAY 2005 | ESOE-3-1 | 4 AUG 2005 | | | | |
| ESMX-1-6 | 12 MAY 2005 | ESOE-5-1 | 16 MAR 2006 | | | | |
| ESMX-1-7 | 21 DEC 2006 | ESOE-5-2 | 16 MAR 2006 | | | | |
| ESMX-2-1 | 18 JAN 2007 | ESOE-5-3 | 16 MAR 2006 | | | | |
| ESMX-3-1 | 24 FEB 2003 | ESOE-5-4 | 16 MAR 2006 | | | | |
| ESMX-4-1 | 21 DEC 2006 | ESOE-6-1 | 13 APR 2006 | | | | |
| ESMX-5-1 | 5 AUG 2004 | | | | | | |
| ESMX-5-2 | 5 AUG 2004 | | | | | | |
| ESMX-5-3 | 5 AUG 2004 | ESNO-1-1 | 10 MAY 2007 | | | | |
| ESMX-5-4 | 5 AUG 2004 | ESNO-1-2 | 10 MAY 2007 | | | | |
| ESMX-6-1 | 24 NOV 2005 | ESNO-1-3 | 16 MAR 2006 | | | | |
| | | ESNO-1-4 | 16 MAR 2006 | | | | |
| | | ESNO-1-5 | 30 SEP 2004 | | | | |
| ESNZ-1-1 | 10 MAY 2007 | ESNO-1-6 | 30 SEP 2004 | | | | |
| ESNZ-1-2 | 10 MAY 2007 | ESNO-1-7 | 4 OCT 2004 | | | | |
| ESNZ-1-3 | 10 MAY 2007 | ESNO-2-1 | 23 NOV 2006 | | | | |
| ESNZ-1-4 | 10 MAY 2007 | ESNO-3-1 | 4 OCT 2004 | | | | |
| ESNZ-1-5 | 10 MAY 2007 | ESNO-5-1 | 30 SEP 2004 | | | | |
| ESNZ-1-6 | 10 MAY 2007 | ESNO-5-2 | 30 SEP 2004 | | | | |
| ESNZ-1-7 | 10 MAY 2007 | ESNO-5-3 | 30 SEP 2004 | | | | |
| ESNZ-1-8 | 10 MAY 2007 | ESNO-5-4 | 30 SEP 2004 | | | | |
| ESNZ-2-1 | 10 MAY 2007 | ESNO-5-5 | 30 SEP 2004 | | | | |
| ESNZ-3-1 | 10 MAY 2007 | ESNO-5-6 | 30 SEP 2004 | | | | |
| ESNZ-3-3 | 10 MAY 2007 | ESNO-6-1 | 4 OCT 2004 | | | | |
| ESNZ 4-1 | 10 MAY 2007 | | | | | | |
| ESNZ-4-3 | 10 MAY 2007 | | | | | | |
| ESNZ-4-4 | 10 MAY 2007 | AD 3 | | | | | |
| ESNZ-4-5 | 10 MAY 2007 | | | | | | |
| ESNZ-4-6 | 10 MAY 2007 | 3-1-1 | 5 JUL 2007 | | | | |
| ESNZ-4-7 | 10 MAY 2007 | 3-1-2 | 18 JAN 2007 | | | | |
| ESNZ-4-9 | 10 MAY 2007 | 3-1-3 | 5 JUL 2007 | | | | |
| ESNZ-4-11 | 10 MAY 2007 | 3-1-4 | 18 JAN 2007 | | | | |
| ESNZ-4-13 | 10 MAY 2007 | | | | | | |
| ESNZ-4-14 | 10 MAY 2007 | AD 4 | | | | | |
| ESNZ-5-1 | 10 MAY 2007 | | | | | | |
| ESNZ-5-2 | 10 MAY 2007 | | | | | | |
| ESNZ-5-3 | 10 MAY 2007 | 4-1-1 | 6 JUL 2006 | | | | |
| ESNZ-5-5 | 10 MAY 2007 | 4-1-2 | 18 JAN 2007 | | | | |
| ESNZ-5-6 | 10 MAY 2007 | 4-1-3 | 18 JAN 2007 | | | | |
| ESNZ-6-1 | 10 MAY 2007 | 4-1-4 | 5 JUL 2007 | | | | |
| | | 4-1-5 | 12 APR 2007 | | | | |
| | | 4-1-6 | 10 MAY 2007 | | | | |
| | | 4-1-7 | 12 APR 2007 | | | | |
| ESTA-1-1 | 23 NOV 2006 | 4-1-8 | 7 JUN 2007 | | | | |
| ESTA-1-2 | 23 NOV 2006 | 4-1-9 | 5 JUL 2007 | | | | |
| ESTA-1-3 | 1 JAN 2005 | 4-1-10 | 23 NOV 2006 | | | | |
| ESTA-1-4 | 1 JAN 2005 | 4-1-11 | 5 JUL 2007 | | | | |
| ESTA-1-5 | 23 NOV 2006 | 4-1-12 | 5 JUL 2007 | | | | |
| ESTA-1-6 | 1 JAN 2005 | 4-1-13 | 18 JAN 2007 | | | | |
| ESTA-1-7 | 3 NOV 2003 | 4-1-14 | 10 MAY 2007 | | | | |
| ESTA-1-8 | 23 NOV 2006 | 4-1-15 | 10 MAY 2007 | | | | |
| ESTA-2-1 | 23 NOV 2006 | | | | | | |
| ESTA-3-1 | 16 MAR 2006 | | | | | | |
| ESTA-4-1 | 15 FEB 2007 | | | | | | |
| ESTA-4-3 | 15 FEB 2007 | | | | | | |
| ESTA-4-4 | 15 FEB 2007 | | | | | | |
| ESTA-4-5 | 15 FEB 2007 | | | | | | |
| ESTA-4-6 | 15 FEB 2007 | | | | | | |
| ESTA-5-1 | 4 AUG 2005 | | | | | | |
| ESTA-5-2 | 4 AUG 2005 | | | | | | |
| ESTA-5-3 | 4 AUG 2005 | | | | | | |
| ESTA-6-1 | 15 FEB 2007 | | | | | | |

2.4 Platsindikatorer/Location indicators

2.4.1 Kodifiering/Encode

» Inte ansluten till AFTN/Not connected to the AFTN

| Location | Indicator | Location | Indicator |
|--------------------------|-----------|---|-----------|
| ÅKERSBERGA | ESHR » | HEMAVAN | ESUT |
| ALINGSÅS | ESGI » | HERRLJUNGA | ESGH » |
| ÅLLEBERG | ESGC » | HÖGANÄS | ESMH » |
| ÅLMHULT/Möckeln | ESMU » | HUDIKSVALL | ESNH » |
| ÅLVSBYN | ESUV » | HUDIKSVALL/Sjukhuset | ESHX » |
| ANDERSTORP | ESMP » | HULTSFRED-VIMMERBY | ESSF |
| ÅNGE/Tälje | ESUJ » | | |
| ÄNGELHÖLM | ESTA | IDRE | ESUE » |
| ARBOGA | ESQO » | | |
| ARBRÅ | ESUB » | JOKKMOKK | ESNJ » |
| ÅRE ÖSTERSUND | ESNZ | JÖNKÖPING | ESGJ |
| ARVIDSJAUR | ESNX | JÖNKÖPING/Ryhov sjukhuset | ESHJ » |
| ARVIKA | ESKV » | | |
| ÅSELE | ESUS » | KÅGERÖD | ESMJ » |
| AVESTA | ESVA » | KALIXFORS | ESUK » |
| | | KALMAR | ESMQ |
| BORÅS/Borås sjukhus | ESEB » | KARLSBORG | ESIA |
| BORÅS/Viared | ESGE » | KARLSKOGA | ESKK » |
| BORGLANDA | ESMB » | KARLSTAD | ESOK |
| BORLÄNGE | ESSD | KARLSTAD/Centralsjukhuset | ESHV » |
| BRATTFORSHEDEN | ESSM » | KATRINEHOLM | ESVK » |
| BUNGE | ESVB » | KIRUNA | ESNQ |
| | | KIRUNA/Luossajärvi | ESEK » |
| DALA-JÄRNA | ESKD » | KÖPING | ESVQ » |
| | | KRAMFORS-SOLLEFTEÅ | ESNK |
| EDSBYN | ESUY » | KRISTIANSTAD | ESMK |
| EKSHÄRAD | ESKH » | KRISTIANSTAD/Sjukhuset | ESHI » |
| EKSJÖ/Ränneslätt | ESMC » | | |
| EMMABODA | ESMA » | LANDSKRONA | ESML » |
| ESKILSTUNA | ESSU | LAXÅ | ESSH » |
| ESKILSTUNA/Ekeby | ESSC » | LIDKÖPING | ESGL |
| ESLÖV | ESME » | LINKÖPING/Malmen | ESCF |
| FAGERHULT | ESMF » | LINKÖPING/SAAB | ESSL |
| FALKENBERG/Morup | ESGF » | LINKÖPING/Universitetssjukhuset | ESEL » |
| FALKÖPING | ESGK » | LJUNGBY/Feringe | ESMG » |
| FJÄLLBACKA | ESTF » | LJUNGBYHED | ESTL |
| | | LJUSDAL | ESUL » |
| GÄLLIVARE | ESNG | LUDVIKA | ESSG » |
| GÄLLIVARE/Vassara | ESEG » | Lufftartsstyrelsen/Civil Aviation Authority | ESAL |
| GÅVLE | ESSK | Lufftartsverket/The LFV Group | ESKL |
| GAGNEF | ESVG » | LULEÅ/Kallax | ESPA |
| GARGNÄS | ESUG » | LULEÅ/Sunderby sjukhuset | ESES » |
| GRYTTJOM | ESKG » | LUND | ESMN » |
| GRÖNHÖGEN | ESTG » | LUND/Universitetssjukhuset | ESEM » |
| GÖTEBORG/Landvetter | ESGG | LYCKSELE | ESNL |
| GÖTEBORG/Sahlgrenska | ESHS » | LYCKSELE/Sjukhuset | ESEY » |
| GÖTEBORG/Säve | ESGP | | |
| GÖTEBORG/Östra sjukhuset | ESHB » | MALMÖ (ACC) | ESMM |
| GÖTENE/Brännebrona | ESGN » | MALMÖ/Sturup | ESMS |
| | | MALUNG | ESVM » |
| HAGFORS | ESOH | MELLANSEL | ESUI » |
| HAGSHULT | ESMV » | MOHED | ESUM » |
| HÄLLEFORS | ESVH » | MORA/Siljan | ESKM |
| HALLVIKEN | ESNA » | MUNKFORS | ESKO » |
| HALMSTAD | ESMT | | |
| HÄRNÖSAND/Myran | ESUH » | NORRKÖPING/Kungsängen | ESSP |
| HÄSSLEHOLM/Bokeberg | ESFA » | NORRTÄLJE | ESSN » |
| HEDE/Hedlanda | ESNC » | NORRTÄLJE/Sjukhuset | ESHY » |

» Inte ansluten till AFTN/Not connected to the AFTN

| Location | Indicator | Location | Indicator |
|---|-----------|------------------------------|-----------|
| ÖLANDA | ESMZ » | SVEG | ESND |
| OPIL/FTK (Military Command) | ESCC | Sweden FIR/UIR | ESAA |
| OPTAND | ESNM » | | |
| ÖREBRO | ESOE | TIDAHOLM | ESGD » |
| ÖREBRO/Regionssjukhuset | ESHQ » | TIERP | ESKT » |
| ÖRESTEN | ESGM » | TOMELILLA | ESTO » |
| ÖRNSKÖLDSVIK | ESNO | TORSBY | ESST » |
| ORSA | ESNR » | TROLLHÄTTAN-VÄNERSBORG | ESGT |
| OSKARSHAMN | ESMO | TROLLHÄTTAN/NÄL sjukhuset | ESEN » |
| ÖVERKALIX | ESNE » | | |
| OVIKEN | ESUO » | UDDEVALLA/Backamo | ESGA » |
| | | UDDEVALLA/Rörkärr | ESGU » |
| PAJALA | ESUP | UDDEVALLA/Sjukhuset | ESEU » |
| PITEÅ | ESNP » | UMEÅ | ESNU |
| | | UMEÅ/Universitetssjukhuset | ESHZ » |
| Räddningscentral, ARCC (CEFYL) | ESOR | UPPSALA | ESCM |
| Rescue coordination centre, ARCC | | UPPSALA/Akademiska sjukhuset | ESHU » |
| RÅDA | ESFR » | | |
| RAMSELE | ESUR » | | |
| RONNEBY | ESDF | VELLINGE | ESTT » |
| | | VÄNGSÖ | ESSZ » |
| SÄFFLE | ESGY » | VARBERG | ESGV » |
| SANDVIK | ESFS » | VÄSTERÅS/Johannisberg | ESSX » |
| SÅTENÄS | ESIB | VÄSTERVIK | ESSW » |
| SILJANSNÄS | ESVS » | VÄXJÖ/Kronoberg | ESMX |
| SKELLEFTEÅ | ESNS | VIDSEL | ESPE |
| SKÖVDE | ESGR | VILHELMINA | ESNV |
| SKÖVDE/Kärnsjukhuset | ESHO » | VISBY | ESSV |
| SMÅLANDSSTENAR | ESMY » | VISBY/Sjukhuset | ESEV» |
| SÖDERHAMN | ESNY | VISINGSÖ | ESSI » |
| SÖDERHAMN/Sjukhuset | ESHF » | | |
| SOLLEFTEÅ | ESNB » | | |
| SÖVDEBORG | ESMI » | | |
| STOCKHOLM ACC | ESOS | | |
| STOCKHOLM AFTN-central/AFTN centre | ESSS | | |
| STOCKHOLM/Arlanda | ESSA | | |
| STOCKHOLM/Barkarby | ESKB » | | |
| STOCKHOLM/Bromma | ESSB | | |
| STOCKHOLM/Danderyd sjukhuset | ESHD » | | |
| STOCKHOLM /Gamla Stan | ESHG » | | |
| STOCKHOLM/Gärdet | ESHT » | | |
| STOCKHOLM/Huddinge sjukhus | ESHL » | | |
| STOCKHOLM/Karolinska sjukhuset | ESHK » | | |
| Stockholm Radio | ESKR | | |
| STOCKHOLM/Skavsta | ESKN | | |
| STOCKHOLM/Skå-Edeby | ESSE » | | |
| STOCKHOLM Statens haverikommission/ Swedish Aircraft Accident Authority | ESKI » | | |
| STOCKHOLM/Södersjukhuset | ESHC » | | |
| STOCKHOLM/Västerås | ESOW | | |
| STORUMAN | ESUD | | |
| STORVIK/Lemstanäs | ESOL » | | |
| STRÖMSTAD/Näsinge | ESGS » | | |
| SUNDBRO | ESKC » | | |
| SUNDSVALL-HÄRNÖSAND | ESNN | | |
| SUNNE | ESKU » | | |
| Sveriges Meteorologiska och Hydrologiska Institut, SMHI/Swedish Meteorological and Hydrological Institute | ESWI | | |

2.4.2 Dekodifiering/Decode

» Inte ansluten till AFTN/Not connected to the AFTN

| Indicator | Location | Indicator | Location |
|-----------|---|-----------|--|
| ESAA | Sweden FIR/UIR | ESHR » | ÅKERSBERGA |
| ESAL | Luftfartsstyrelsen/Civil Aviation Authority | ESHS » | GÖTEBORG/Sahlgrenska |
| ESCC | OPIL/FTK (Military Command) | ESHT » | STOCKHOLM/Gärdet |
| ESCF | LINKÖPING/Malmen | ESHU » | UPPSALA/Akademiska sjukhuset |
| ESCM | UPPSALA | ESHV » | KARLSTAD/Centralsjukhuset |
| ESDF | RONNEBY | ESHX » | HUDIKSVALL/Sjukhuset |
| | | ESHY » | NORRTÄLJE/Sjukhuset |
| | | ESHZ » | UMEÅ/Universitetssjukhuset |
| ESEB » | BORÅS/ Borås sjukhus | ESIA | KARLSBORG |
| ESEG » | GÄLLIVARE/Vassara | ESIB | SÅTENÄS |
| ESEK » | KIRUNA/Luossajärvi | ESKB » | STOCKHOLM/Barkarby |
| ESEL » | LINKÖPING/Universitetssjukhuset | ESKC » | SUNDBRO |
| ESEM » | LUND/Universitetssjukhuset | ESKD » | DALA-JÄRNA |
| ESEN » | TROLLHÄTTAN/NÅL sjukhuset | ESKG » | GRYTTJOM |
| ESES » | LULEÅ/Sunderby sjukhuset | ESKH » | EKSHÄRAD |
| ESEU » | UDDEVALLA/Sjukhuset | ESKI » | STOCKHOLM Statens haverikommission/ Swedish Aircraft Accident Authority |
| ESEV » | VISBY/Sjukhuset | ESKK | KARLSKOGA |
| ESEY » | LYCKSELE/Sjukhuset | ESKL | Luftfartsverket, LfV/The LfV Group |
| ESFA » | HÄSSLEHOLM/Bokeberg | ESKM | MORA/Siljan |
| ESFR » | RÅDA | ESKN | STOCKHOLM/Skavsta |
| ESFS » | SANDVIK | ESKO » | MUNKFORS |
| | | ESKR | Stockholm Radio |
| ESGA » | UDDEVALLA/Backamo | ESKT » | TIERP |
| ESGC » | ÅLLEBERG | ESKU » | SUNNE |
| ESGD » | TIDAHOLM | ESKV » | ARVIKA |
| ESGE » | BORÅS/Viared | | |
| ESGF » | FALKENBERG/Morup | ESMA » | EMMABODA |
| ESGG | GÖTEBORG/Landvetter | ESMB » | BORGLANDA |
| ESGH » | HERRLJUNGA | ESMC » | EKSJÖ/Ränneslätt |
| ESGI » | ALINGSÅS | ESME » | ESLÖV |
| ESGJ | JÖNKÖPING | ESMF » | FAGERHULT |
| ESGK » | FALKÖPING | ESMG » | LJUNGBY/Feringe |
| ESGL | LIDKÖPING | ESMH » | HÖGANÄS |
| ESGM » | ÖRESTEN | ESMI » | SÖVDEBORG |
| ESGN » | GÖTENE/Brännebrona | ESMJ » | KÅGERÖD |
| ESGP | GÖTEBORG/Säve | ESMK | KRISTIANSTAD |
| ESGR | SKÖVDE | ESML » | LANDSKRONA |
| ESGS » | STRÖMSTAD/Näsinge | ESMM | MALMÖ (ACC) |
| ESGT | TROLLHÄTTAN-VÄNERSBORG | ESMN » | LUND |
| ESGU » | UDDEVALLA/Rörkärr | ESMO | OSKARSHAMN |
| ESGV » | VARBERG | ESMP » | ANDERSTORP |
| ESGY » | SÄFFLE | ESMQ | KALMAR |
| | | ESMS | MALMÖ/Sturup |
| ESHB » | GÖTEBORG/Östra sjukhuset | ESMT | HALMSTAD |
| ESHC » | STOCKHOLM/Södersjukhuset | ESMU » | ÄLMHULT/Möckeln |
| ESHD » | STOCKHOLM/Danderyd sjukhuset | ESMV » | HAGSHULT |
| ESHF » | SÖDERHAMN/Sjukhuset | ESMX | VÄXJÖ/Kronoberg |
| ESHG » | STOCKHOLM/Gamla stan | ESMY » | SMÅLANDSSTENAR |
| | | ESMZ » | ÖLANDA |
| ESHI » | KRISTIANSTAD/Sjukhuset | | |
| ESHJ » | JÖNKÖPING/Ryhov sjukhuset | | |
| ESHK » | STOCKHOLM/Karolinska sjukhuset | | |
| ESHL » | STOCKHOLM/Huddinge sjukhus | | |
| ESHO » | SKÖVDE/Kärnsjukhuset | | |
| ESHQ » | ÖREBRO/Regionssjukhuset | | |

» Inte ansluten till AFTN/Not connected to the AFTN

| Indicator | Location | Indicator | Location |
|-----------|--|-----------|--|
| ESNA » | HALLVIKEN | ESTA | ÄNGELHOLM |
| ESNB » | SOLLEFTEÅ | ESTF » | FJÄLLBACKA |
| ESNC » | HEDE/Hedlanda | ESTG » | GRÖNHÖGEN |
| ESND | SVEG | ESTL | LJUNGBYHED |
| ESNE » | ÖVERKALIX | ESTO » | TOMELILLA |
| ESNG | GÄLLIVARE | ESTT » | VELLINGE |
| ESNH » | HUDIKSVALL | | |
| ESNJ » | JOKKMOKK | ESUB » | ARBRÅ |
| ESNK | KRAMFORS-SOLLEFTEÅ | ESUD | STORUMAN |
| ESNL | LYCKSELE | ESUE » | IDRE |
| ESNM » | OPTAND | ESUG » | GARGNÄS |
| ESNN | SUNDSVALL-HÄRNÖSAND | ESUH » | HÄRNÖSAND/Myran |
| ESNO | ÖRNSKÖLDSVIK | ESUI » | MELLANSE |
| ESNP » | PITEÅ | ESUJ » | ÅNGE/Tälje |
| ESNQ | KIRUNA | ESUK » | KALIXFORS |
| ESNR » | ORSA | ESUL » | LJUSDAL |
| ESNS | SKELLEFTEÅ | ESUM » | MOHED |
| ESNU | UMEÅ | ESUO » | OVIKEN |
| ESNV | VILHELMINA | ESUP | PAJALA |
| ESNX | ARVIDSJOUR | ESUR » | RAMSELE |
| ESNY | SÖDERHAMN | ESUS » | ÅSELE |
| ESNZ | ÅRE ÖSTERSUND | ESUT | HEMAVAN |
| | | ESUV » | ÄLVSBYN |
| | | ESUY » | EDSBYN |
| ESOE | ÖREBRO | | |
| ESOH | HAGFORS | | |
| ESOK | KARLSTAD | ESVA » | AVESTA |
| ESOL » | STORVIK/Lemstanäs | ESVB » | BUNGE |
| ESOR | Räddningscentral, ARCC (CEFYL) Rescue coordination centre, ARCC | ESVG » | GAGNEF |
| ESOS | STOCKHOLM ACC | ESVH » | HÄLLEFORS |
| ESOW | STOCKHOLM/Västerås | ESVK » | KATRINEHOLM |
| | | ESVM » | MALUNG |
| | | ESVQ » | KÖPING |
| ESPA | LULEÅ/Kalla | ESVS » | SILJANSNÄS |
| ESPE | VIDSEL | | |
| | | ESWI | Sveriges Meteorologiska och Hydrologiska Institut, SMHI/ Swedish Meteorological and Hydrological Institute |
| ESQO » | ARBOGA | | |
| ESSA | STOCKHOLM/Arlanda | | |
| ESSB | STOCKHOLM/Bromma | | |
| ESSC » | ESKILSTUNA/Ekeby | | |
| ESSD | BORLÄNGE | | |
| ESSE » | STOCKHOLM/Skå-Edeby | | |
| ESSF | HULTSFRED-VIMMERBY | | |
| ESSG » | LUDVIKA | | |
| ESSH » | LAXÅ | | |
| ESSI » | VISINGSÖ | | |
| ESSK | GÄVLE | | |
| ESSL | LINKÖPING/SAAB | | |
| ESSM » | BRATTFORSHEDEN | | |
| ESSN » | NORRTÄLJE | | |
| ESSP | NORRKÖPING/Kungsängen | | |
| ESSS | STOCKHOLM AFTN-central/AFTN centre | | |
| ESST » | TORSBY | | |
| ESSU | ESKILSTUNA | | |
| ESSV | VISBY | | |
| ESSW » | VÄSTERVIK | | |
| ESSX » | VÄSTERÅS/Johannisberg | | |
| ESSZ » | VÄNGSÖ | | |

3.3 Flygtrafikledningstjänst

1 Ansvarig myndighet

Ansvarig myndighet för flygtrafikledningen är Luftfartsstyrelsen.

Postal address:

Telephone:

Telefax:

e-mail:

AFS address:

3.3 Air traffic services

1 Responsible authority

The authority responsible for provision of air traffic services is the Swedish Civil Aviation Authority.

Luftfartsstyrelsen

SE-601 73 Norrköping

+46 (0)11 415 21 00

+46 (0)11 415 22 50

luftfartsstyrelsen@luftfartsstyrelsen.se

ESALYAYX

Flygtrafikledningen i Sverige är organiserad i enlighet med Annex 11 »Air Traffic Services ».

In Sweden the air traffic services are organized in accordance with Annex 11 »Air Traffic Services ».

Gällande trafikregler och ATS-föreskrifter överensstämmer i huvudsak med ICAO Standardbestämmelser, Rekommendationer och Föreskrifter.

In general, the Swedish rules of the air and ATS procedures conform with ICAO Standards, Recommended Practices and Procedures.

2 Geografiskt ansvarsområde

Flygtrafikledning utövas inom Sweden FIR/UIR.

Anm. Inom RÖNNE TMA och CTR utövas flygtrafikledningen under 4500 ft MSL av Danmark.

2 Geographical area of responsibility

Air traffic services are provided in Sweden FIR/UIR.

Note. Within RÖNNE TMA and CTR air traffic services are provided by Denmark below 4500 ft MSL.

3 Serviceutbud

Radartjänst ingår som integrerad del av ATS-systemet.

Vid vissa icke kontrollerade flygplatser tillhandahålls *flyginformationstjänst för flygplats* (AFIS). Denna tjänst utövas av AFIS-enhet. Sådan enhet lämnar upplysningar av betydelse för luftfartyg angående känd flygtrafik, väderförhållanden samt förhållanden på flygplatsen. AFIS-enhet identifieras genom namnet på vederbörande flygplats följt av ordet »INFORMATION ».

Anm. Vid några flygplatser tillämpas differentierat ATS-tjänsteutbud, d v s under vissa tider utövas flygkontrolltjänst (TWR), under andra tider flyginformationstjänst för flygplats (AFIS).

Flygrådgivningstjänst utövas inte inom svenskt FIR/UIR, utom när sådan tjänst tillkännagivits genom AIP SUP.

3 Types of services

Radar service is an integral part of the ATS system.

At some non-controlled aerodromes *Aerodrome Flight Information Service* (AFIS) is provided. The service is provided by an AFIS unit, the purpose of which is to supply significant information to aircraft on known air traffic, meteorological conditions and aerodrome conditions. AFIS units are identified by the name of the aerodrome concerned, followed by the word »INFORMATION ».

Note. At some aerodromes, differentiated air traffic services are provided, i.e. during certain hours aerodrome control service (TWR), and during other hours aerodrome flight information service (AFIS).

Air traffic advisory service is not provided within Sweden FIR/UIR except when promulgated through AIP SUP.

4 Samordning mellan flygtrafikledningsenheter och flygoperatörer

Samordningen mellan flygtrafikledningsenheter och flygoperatörer tillhandahålls i enlighet med Annex 11 mom 2.15.

4 Co-ordination between ATS and operators

Co-ordination between ATS units and operators is provided in conformance with Annex 11 para 2.15.

5 Lägsta flyghöjd

a) Uppgift om aktuella QNH-värden och temperaturer lämnas av vederbörande ATS-enheter på begäran samt beträffande vissa flygplatser även i meteorologiska CQ-utsändningar enligt GEN 3.5.7 och 3.5.9.

b) Inom SUECIA CTA är lägsta användbara flygnivå
– FL100, där CTA undersida är FL95
– FL130, där CTA undersida är FL125.

5 Minimum flight altitude

a) Information on current QNH values and temperatures will be provided by ATS units on request and for some aerodromes also in the meteorological broadcasts according to GEN 3.5.7 and 3.5.9.

b) Within SUECIA CTA, the lowest available flight level is
– FL100 where CTA lower limit is FL95
– FL130 where CTA lower limit is FL125.

- c) Inom "L3" CTA är lägsta IFR-marschhöjd 4000 ft MSL. Lägsta användbara flygnivå fastställs av vederbörande ATS-enhet.
- d) Ovanstående fritar inte befälhavaren från skyldigheten att försäkra sig om att föreskriven vertikal hinderfrihet föreligger i varje skede av flygningen, om inte luftfartyget radarleds. Jfr ICAO Doc 4444 PANS-ATM 4.10.3 note 3.
- e) För IFR-flygning utanför kontrollerat luftrum skall befälhavaren själv fastställa lägsta användbara flygnivå med hänsyn till hinder längs flygvägen samt till rådande och/eller förutsagda värden för QNH och temperatur.
- f) Beträffande "lägsta radarledningshöjd", se ENR 1 mom 1.6.2.4.
- c) Within "L3" CTA the minimum IFR cruising level is 4000 ft MSL. The lowest available flight level is determined by the appropriate ATS unit.
- d) The above does not relieve the pilot-in-command of his responsibility to ensure that adequate terrain clearance will exist at all times, except when an IFR flight is vectored by radar (cf. ICAO Doc 4444 PANS-ATM 4.10.3 note 3).
- e) For an IFR flight outside controlled airspace, the pilot-in-command himself shall determine the lowest available flight level with regard to obstructions along the route and to the actual or forecast QNH and temperature values.
- f) As regards "minimum vectoring altitude", see ENR 1 para 1.6.2.4.

6 Flygtrafikledningens adresslista / ATS units address list

| Unit name/service | Postal address | Telephone | Telefax | AFS |
|-------------------------|--|--|--------------------|----------|
| ARVIDSJOUR TWR/AFIS | Arvidsjaur Flygplats AB Att. Thomas Scherman SE-933 91 Arvidsjaur | +46 (0)960 173 85 | +46 (0)960 133 38 | ESNXZTZX |
| ARVIKA AFIS | Arvika Flygplats ATS Kommunalteknik Adm. enheten SE-671 81 Arvika | +46 (0)570 120 40 | +46 (0)570 124 30 | |
| BORLÄNGE TWR | LFV Dala Airport AB Överstevägen 50 SE-784 63 Borlänge | +46 (0)243 645 20 | +46(0)243 645 21 | ESSDZTZX |
| ESKILSTUNA AFIS | Eskilstuna flygplats c/o Nordflyg SE-635 06 Eskilstuna | +46 (0)16 940 20 | +46 (0)16 940 90 | ESSUZTZX |
| FALKÖPING AFIS | Falköping flygplats AFIS Falköpings kommun Gatukontoret SE-521 81 Falköping | +46 (0)515 806 30 | | |
| GÄLLIVARE AFIS | Trafikledningen Box 92 SE-972 21 Gällivare | +46 (0)970 780 20 | +46 (0)970 780 21 | ESNGZTZX |
| GÄVLE AFIS | Gestrike Airport AFIS SE-818 91 Valbo | +46 (0)26 24 84 14 | +46 (0)26 24 84 11 | ESSKZTZX |
| GÖTEBORG TMC | LFV Flygtrafikledningen SE-438 80 Landvetter | +46 (0)31 94 11 44 +46 (0)31 94 10 00 | +46 (0)31 94 12 44 | ESGGYHYX |
| GÖTEBORG/Landvetter TWR | LFV Flygtrafikledningen SE-438 80 Landvetter | +46 (0)31 94 11 39 +46 (0)31 94 10 00 | +46 (0)31 94 65 94 | ESGGZTZX |
| GÖTEBORG/Säve TWR/AFIS | LFV Flygtrafikledningen Holmvägen 100 SE-417 46 Göteborg | +46 (0)31 55 23 10 +46 (0)31 92 65 60 | +46 (0)31 92 59 70 | ESGPZTZX |
| HAGFORS AFIS | Hagfors flygplats Flygplatsen SE-683 93 Råda | +46 (0)563 603 68 | +46 (0)563 601 23 | ESOHZTZX |
| HALMSTAD TWR | FMTS/Flygtrafikledningen Box 516 SE-301 80 Halmstad | +46 (0)35 18 26 50 | +46 (0)35 18 26 59 | ESMTZTZX |

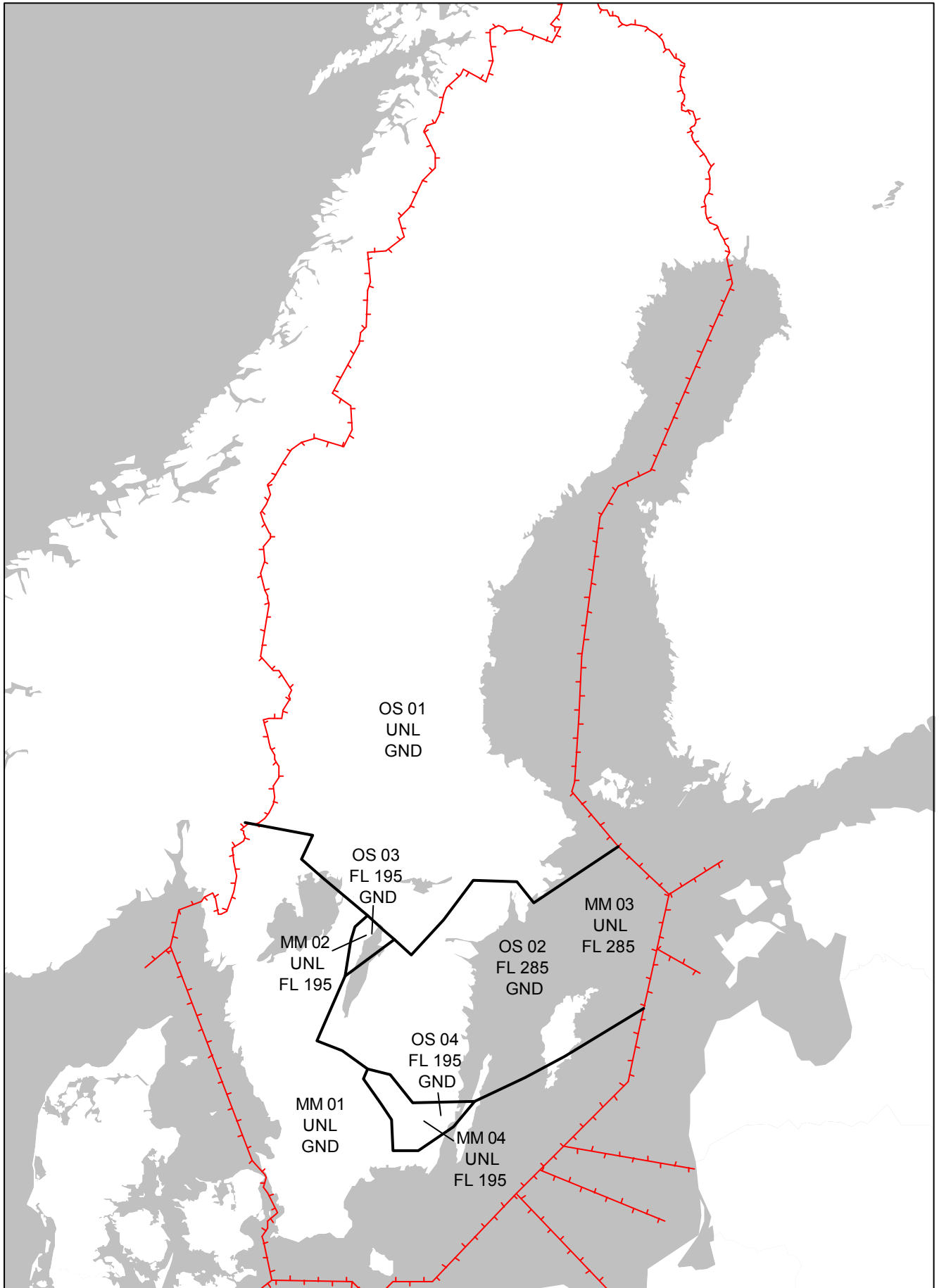
| Unit name/service | Postal address | Telephone | Telefax | AFS |
|-------------------------|---|--|---------------------|----------|
| HEMAVAN AFIS | Hemavan flygplats Box 176 SE-920 66 Hemavan | +46 (0)954 305 30 | +46 (0)954 305 35 | ESUTZTZX |
| HULTSFRED-VIMMERBY AFIS | Hultsfred flygplats Flygplatsen SE-577 91 Hultsfred | +46 (0)495 24 00 40 | +46 (0)495 24 00 43 | ESSFZTZX |
| JOKKMOKK AFIS | Räddningstjänsten/Jokkmokk kommun Klockarevägen 2 SE-962 32 Jokkmokk | +46 (0)971 172 92 | +46 (0)971 126 70 | |
| JÖNKÖPING TWR | LFV Flygtrafikledningen Jönköpings flygplats SE-555 93 Jönköping | +46 (0)36 31 12 20 +46 (0)36 31 11 00 | +46 (0)36 731 51 | ESGJZTZX |
| KALMAR TWR | LFV Flygtrafikledningen Kalmar flygplats SE-392 41 Kalmar | +46 (0)480 149 66 +46 (0)480 587 00 | +46 (0)480 587 65 | ESMQZTZX |
| KARLSBORG TWR | LFV ATS Karlsborg BOX 6 SE-546 83 Karlsborg | +46 (0)505 45 10 17 | +46 (0)505 45 15 20 | ESIAZTZX |
| KARLSKOGA AFIS | Karlskoga/Bofors flygplats SE-691 35 Karlskoga | +46 (0)586 533 60 +46 (0)70 775 33 60 | +46 (0)586 517 31 | ESKKZTZX |
| KARLSTAD TWR | LFV Flygtrafikledningen SE-655 91 Karlstad | +46 (0)54 55 60 76 | +46 (0)54 55 60 77 | ESOKZTZX |
| KIRUNA TWR | LFV Flygtrafikledningen Box 831 SE-981 28 Kiruna | +46 (0)980 680 20 | +46 (0)980 680 25 | ESNQZTZX |
| KRAMFORS AFIS | Kramfors/Sollefteå flygplats Gistgårdsön 2150 SE-870 52 Nyland | +46 (0)612 223 55 | +46 (0)612 71 81 22 | ESNKZTZX |
| KRISTIANSTAD TWR | LFV Kristianstad Airport AB Flygtrafikledningen Kristianstad flygplats SE-297 92 Everöd | +46 (0)44 23 88 58 | +46 (0)44 23 88 98 | ESMKZTZX |
| LIDKÖPING AFIS | Lidköping/Hovby flygplats AB ATS Flygplatsen SE-531 92 Lidköping | +46 (0)510 222 38 | +46 (0)510 53 51 80 | ESGLZTZX |
| LINKÖPING/Malmen TWR | LFV Flygtrafikledningen SE-581 98 Linköping | +46 (0)13 28 35 90 +46 (0)13 28 30 00 | +46 (0)13 28 36 99 | ESCFZTZX |
| LINKÖPING/Saab TWR | LFV Flygtrafikledningen Saab AB SE-581 88 Linköping | +46 (0)13 18 28 80 +46 (0)13 18 00 00 | +46 (0)13 10 47 40 | ESSLZTZX |
| LJUNGBYHED TWR | LFV Flygtrafikledningen SE-260 70 Ljungbyhed | +46 (0)435 44 03 57 +46 (0)435 44 55 13 | +46 (0)435 44 55 16 | ESTLZTZX |
| LULEÅ/Kallax TWR | LFV ATS F21 SE-971 73 Luleå | +46 (0)920 126 41 +46 (0)920 23 49 32 | +46 (0)920 23 49 39 | ESPAZTZX |
| LYCKSELE AFIS | Lycksele Kommun flygplatsen Tekniska kontoret SE-921 81 Lycksele | +46 (0)950 275 51 +46 (0)950 275 60 | +46 (0)950 151 07 | ESNLZTZX |

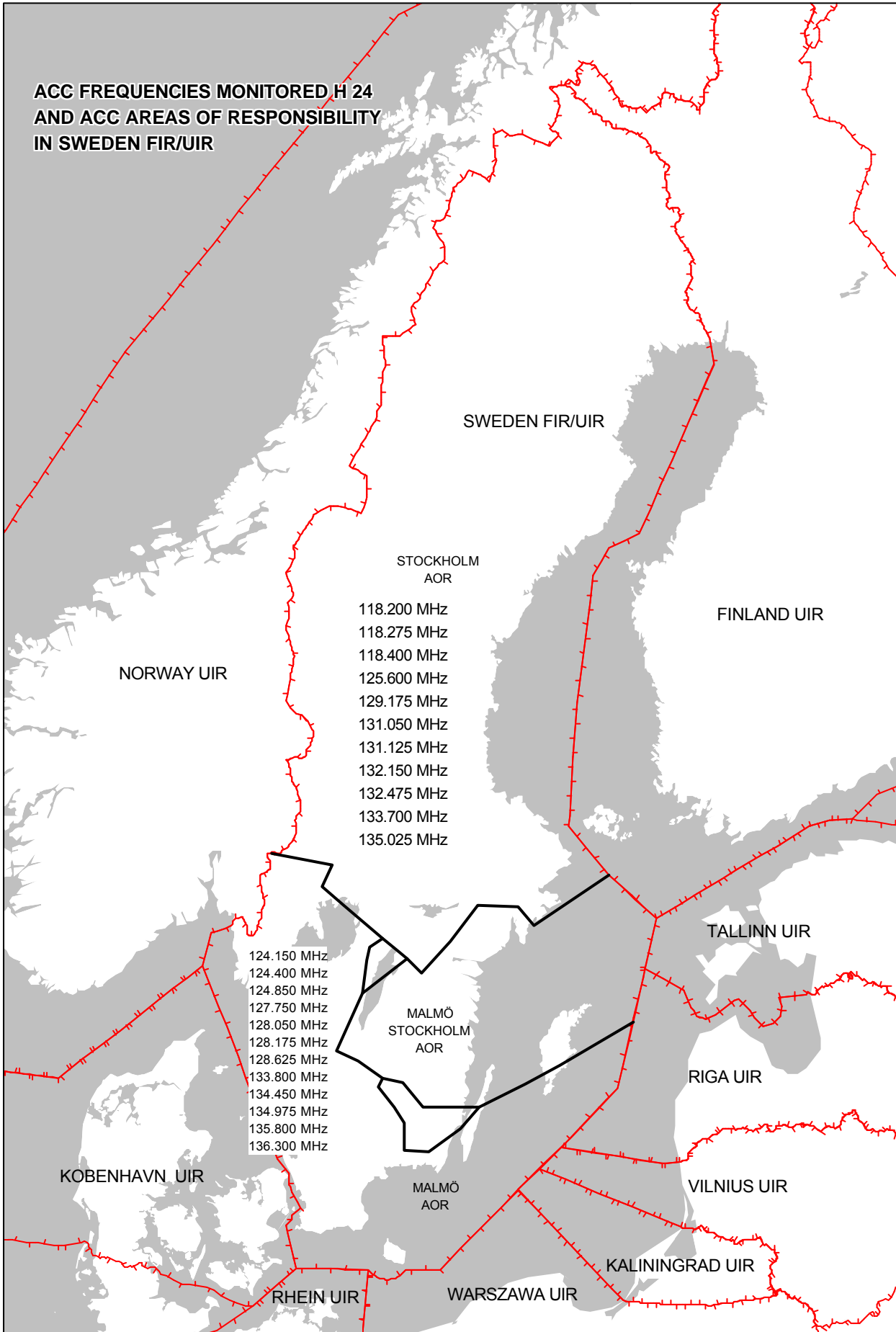
| Unit name/service | Postal address | Telephone | Telefax | AFS |
|--|--|---|---------------------|--|
| MALMÖ ACC Marked (+) to be used only for relevant ATS messages, i.e. FPL, DEP and closing of flight plan. | LFV Flygtrafikledningen Box 54 SE-230 32 Malmö-Sturup | +46 (0)40 613 24 00 +46 (0)40 613 24 01 +46 (0)40 50 15 05 (+) | +46 (0)40 50 02 54 | ESMMZRZX ESMMZQZX (+) ESMMZFZX (+) |
| MALMÖ/Sturup TWR | LFV Flygtrafikledningen Box 26 SE-230 32 Malmö-Sturup | +46 (0)40 613 15 50 +46 (0)40 613 10 00 | +46 (0)40 613 15 54 | ESMSZTZX |
| MORA/Siljan AFIS | Mora Siljan flygplats Mora flygplats SE-792 91 Mora | +46 (0)250 301 98 | +46 (0)250 59 35 25 | ESKMZTZX |
| NORRKÖPING/Kungsängen TWR | LFV ATS Norrköping SE-601 79 Norrköping | +46 (0)11 19 25 69 +46 (0)11 19 20 00 | +46 (0)11 19 25 59 | ESSPZTZX |
| OSKARSHAMN AFIS | Oskarshamns Utvecklings AB Flygtrafikledningen Oskarshamns flygplats SE-572 92 Oskarshamn | +46 (0)491 640 41 | +46 (0)491 640 22 | ESMOZTZX |
| PAJALA AFIS | Pajala flygplats AFIS SE-984 91 Pajala | +46 (0)978 511 10 | +46 (0)978 511 50 | ESUPZTZX |
| RONNEBY TWR | Blekinge flygflottilj, F17 Box 502 SE-372 25 Ronneby | +46 (0)457 201 95 +46 (0)457 244 87 +46 (0)457 47 10 00 | +46 (0)457 47 15 56 | ESDFZTZX |
| SKELLEFTEÅ TWR | LFV Flygtrafikledningen SE-931 92 Skellefteå | +46 (0)910 576 90 | +46 (0)910 841 00 | ESNSZTZX |
| SKÖVDE AFIS | Flygplatsen Skövde Kommun Tekniska kontoret SE-541 91 Skövde | +46 (0)500 46 31 83 | +46 (0)500 46 31 99 | ESGRZTZX |
| STOCKHOLM ACC Marked (+) to be used only for relevant ATS messages, i.e. FPL, DEP and closing of flight plan. | LFV Flygtrafikledningen SE-190 45 Stockholm-Arlanda | +46 (0)8 585 547 00 +46 (0)8 585 547 01 +46 (0)8 585 545 05 (+) | +46 (0)8 593 619 00 | ESOSZRZX ESOSZQZX (+) ESOSZFZX (+) |
| STOCKHOLM/Arlanda TWR | LFV Flygtrafikledningen SE-190 45 Stockholm-Arlanda | +46 (0)8 594 922 50 +46 (0)8 797 60 00 | +46 (0)8 593 627 23 | ESSAZTZX |
| STOCKHOLM/Bromma TWR/AFIS | LFV Flygtrafikledningen Stockholm-Bromma flygplats SE-161 69 Bromma | +46 (0)8 28 87 22 +46 (0)8 797 68 00 | +46 (0)8 797 68 68 | ESSBZTZX |
| STOCKHOLM/Flight Planning Centre AIS/ARO/NOF | LFV FPC/NOF Box 115 SE-190 46 Stockholm-Arlanda | +46 (0)8 797 63 40 +46 (0)8 797 63 38 | +46 (0)8 593 601 79 | ESSAZPZX ESSAYNYX |
| STOCKHOLM/Skavsta TWR | LFV Flygtrafikledningen Stockholm Skavsta flygplats AB Box 44 SE-611 22 Nyköping | +46 (0)155 28 04 20 +46 (0)155 28 04 19 | +46 (0)155 28 04 86 | ESKNZTZX |
| STOCKHOLM/Västerås TWR | Västerås flygplats AB Flygtrafikledningen Västerås flygplats SE-721 31 Västerås | +46 (0)21 80 00 20 | +46 (0)21 80 13 20 | ESOWZTZX |
| STORUMAN AFIS | Storumans kommun Flygtrafikledningen Flygplatsen Se-923 81 Storuman | +46 (0)951 400 34 +46 (0)951 154 45 | +46 (0)951 401 30 | ESUDZTZX |

| | | | |
|----------------|---|------------|--------------|
| 1.14.2 | ATIR-blankett/ The ATIR form | ENR | 1–14–1 |
| 1.14.3 | Rapporteringsrutiner/ Reporting procedures | ENR | 1–14–1 |
| ENR 2 | ATS-luftrum/ Air Traffic Services Airspace | | |
| ENR 2.1 | FIR, UIR, ACC, AOR, UTA, CTA, Deligation of the Responsibility for Provision of ATS and TMA | ENR | 2–1–1 |
| ENR 2.2 | Annat reglerat luftrum/ Other regulated airspace | ENR | 2–2–1 |
| ENR 3 | ATS Routes | | |
| ENR 3.0 | Flygtrafikledningssystem/ Air traffic system services | ENR | 3–0–1 |
| 3.0.1 | Allmänt/ General | ENR | 3–0–1 |
| 3.0.2 | Luftrumsklassning/ Airspace classification | ENR | 3–0–1 |
| 3.0.3 | Tider då kontrollerat luftrum är upprättat/ Hours when controlled airspace is established | ENR | 3–0–2 |
| 3.0.4 | Militär flygövningstid/ Military air exercise hours | ENR | 3–0–2 |
| 3.0.5 | Färdplaneringsvägar inom Sweden FIR/UIR Flight planning routes within Sweden FIR/UIR | ENR | 3–0–3 |
| 3.0.6 | SUECIA undre/övre kontrollområde (CTA/UTA)/ SUECIA lower/upper control area (CTA/UTA) | ENR | 3–0–3 |
| 3.0.7 | Reserved | | |
| 3.0.8 | Områdesnavigation (RNAV)/ Area navigation (RNAV) | ENR | 3–0–4 |
| 3.0.9 | Conditional routes (CDR)/ Conditional routes (CDR) | ENR | 3–0–4 |
| ENR 3.1 | Flygvägar för områdesnavigering (RNAV), undre/övre / RNAV Routes, lower/upper | ENR | 3–1–1 |
| ENR 3.2 | Reserved | | |
| ENR 3.3 | Reserved | | |
| ENR 3.4 | Flygvägar för helikopter/ Helicopter routes | ENR | 3–4–1 |
| ENR 3.5 | Andra flygvägar/ Other routes | ENR | 3–5–1 |
| ENR 3.6 | Väntlägen/ Holdings | ENR | 3–6–1 |
| ENR 4 | Radio navigation aids | | |
| ENR 4.1 | Radionavigationshjälpmedel – en-route/ Radio Navigation Aids – en-route | ENR | 4.1–1 |

| | | |
|--------------|--|------------|
| ENR 4.2 | Särskilda navigationssystem/ Special navigation systems | ENR 4.2–1 |
| ENR 4.3 | Globalt satellitnavigeringssystem/ Global Navigation Satellite System (GNSS) | ENR 4.3-1 |
| ENR 4.4 | Signifikanta punkter-femställiga/ Name-code designators for significant points | ENR 4.4–1 |
| ENR 4.5 | Ljusfyror för luftfarten – en-route/ Aeronautical ground flights – en-route | ENR 4.5–1 |
| ENR 5 | Navigationsvarningar/ Navigation warnings | |
| ENR 5.1 | Förbjudna, restriktions- och farliga områden/ Prohibited, restricted and danger areas | ENR 5.1–1 |
| 1. | Förbjudna områden Prohibited areas | ENR 5.1–1 |
| 2. | Restriktionsområden Restricted areas | ENR 5.1–1 |
| 3. | Farliga områden Danger areas | ENR 5.1–14 |
| ENR 5.2 | Områden för militär övningsverksamhet/ Military exercise and training areas | ENR 5.2–1 |
| ENR 5.3 | Andra verksamheter innebärande fara för luftfarten/ Other activities of dangerous nature | ENR 5.3–1 |
| ENR 5.4 | Flyghinder – en-route/ Air navigation obstacles – en-route | ENR 5.4–1 |
| ENR 5.5 | Flygsport och rekreativ verksamhet/ Aerial sporting and recreational activities | ENR 5.5–1 |
| ENR 5.6 | Fågelflyttning och områden med känslig fauna/ Bird migration and areas with sensitive fauna | ENR 5–6–1 |
| 5.6.1 | Fågelflyttning och fågelkoncentrationsområden/ Bird migration and bird concentration areas | ENR 5–6–1 |
| 5.6.2 | Områden där rätten till start och landning är inskränkt/ Areas where the right to take-off and land is restricted | ENR 5–6–5 |
| ENR 6 | En-route charts | |
| | Södra delen/ Southern part | ENR 6–1–1 |
| | Norra delen/ Northern part | ENR 6–1–3 |

Sweden FIR/UIR and ACC areas of responsibility (AOR)





| Terminal Control Areas | ATS Airspace Classification. Ref ENR 1.4 | |
|---|--|--|
| Name and lateral limits | Vertical limits and Class of Airspace | ATC unit, Radio frequency and callsign |
| <p>HALMSTAD TMA</p> <p>570718N 0132556E–570027N 0133048E–564535N 0131450E–564013N 0130908E–563520N 0130414E–562836N 0125732E–562617N 0124601E–562755N 0123723E–563303N 0123406E–563726N 0123730E–565642N 0123855E–570315N 0130746E–570718N 0132556E</p> <p>a) 570315N 0130746E–564013N 0130908E–563726N 0123730E–565642N 0123855E–570315N 0130746E</p> <p>b) 570718N 0132556E–570027N 0133048E–564535N 0131450E–564013N 0130908E–570315N 0130746E–570718N 0132556E</p> <p>c) 564013N 0130908E–563520N 0130414E–563221N 0124453E–563303N 0123406E–563726N 0123730E–564013N 0130908E</p> <p><i>Established during operational hours of HALMSTAD TWR</i></p> <p>LAHOLM Sector</p> <p>563520N 0130414E–562836N 0125732E–562617N 0124601E–562755N 0123723E–563303N 0123406E–563221N 0124453E–563520N 0130414E</p> <p><i>Established during operational hours of HALMSTAD TWR and/or ÄNGELHOLM TWR</i></p> | <p>FL 95 / 2900 m STD 2000 ft / 600 m MSL Class C</p> <p>FL 95 / 2900 m STD 4500 ft / 1350 m MSL Class C</p> <p>FL 95 / 2900 m STD 1500 ft / 450 m MSL Class C</p> <p>FL 95 / 2900 m STD 1500 ft / 450 m MSL Class C</p> | <p>Halmstad TWR 135.050 HALMSTAD TOWER</p> <p>Ängelholm open: Ängelholm TMC 132.450 ÄNGELHOLM CONTROL</p> <p>Ängelholm closed: Halmstad TWR 135.050 HALMSTAD TOWER</p> |
| <p>JÖNKÖPING TMA</p> <p>580628N 0145053E–575805N 0145616E–574251N 0144234E–573947N 0142841E–573901N 0142513E–572551N 0140619E–571243N 0140312E–571316N 0134801E–573212N 0133626E–580202N 0135804E–580351N 0141918E–580628N 0145053E</p> <p>a) 580351N 0141918E–575313N 0142711E–573947N 0142841E–573901N 0142513E–572551N 0140619E–573212N 0133626E–580202N 0135804E–580351N 0141918E</p> <p>b) 580628N 0145053E–575805N 0145616E–574251N 0144234E–573947N 0142841E–575313N 0142711E–580351N 0141918E–580628N 0145053E</p> <p>c) 573212N 0133626E–572551N 0140619E–571243N 0140312E–571316N 0134801E–573212N 0133626E</p> <p><i>Established during operational hours of JÖNKÖPING TWR</i></p> | <p>FL 95 / 2900 m STD 2200 ft / 670 m MSL Class C</p> <p>FL 95 / 2900 m STD 4500 ft / 1350 m MSL Class C</p> <p>FL 95 / 2900 m STD 4500 ft / 1350 m MSL Class C</p> | <p>Jönköping TWR 118.250 JÖNKÖPING TOWER</p> |

| Terminal Control Areas | | ATS Airspace Classification. Ref ENR 1.4 | |
|---|--|--|--|
| Name and lateral limits | Vertical limits and Class of Airspace | ATC unit, Radio frequency and callsign | |
| <p>KALMAR TMA</p> <p>571324N 0161129E-571258N 0162807E-565748N 0163414E-564202N 0164030E-562959N 0163949E-562412N 0161932E-562309N 0160529E-563930N 0155030E-565844N 0155539E-571324N 0161129E</p> <p>a) 565844N 0155539E-565748N 0163414E-564202N 0164030E-562959N 0163949E-562412N 0161932E-562309N 0160529E-563930N 0155030E-565844N 0155539E</p> <p>b) 571324N 0161129E-571258N 0162807E-565748N 0163414E-565844N 0155539E-571324N 0161129E</p> <p><i>Established during operational hours of KALMAR TWR.</i></p> | <p>FL 95 / 2900 m STD 1500 ft / 450 m MSL Class C</p> <p>FL 95 / 2900 m STD 4500 ft / 1350 m MSL Class C</p> | <p>Kalmar TWR 130.800 KALMAR TOWER</p> | |
| <p>KARLSBORG TMA</p> <p>584942N 0144748E-584448N 0145858E-584028N 0151439E-582539N 0150225E-581435N 0140950E-583056N 0135333E-584317N 0143246E-584942N 0144748E</p> <p><i>Established during operational hours of KARLSBORG TWR</i></p> | <p>FL 95 / 2900 m STD 1700 ft / 520 m MSL Class C</p> | <p>Karlsborg TMC 132.050 KARLSBORG CONTROL</p> | |
| <p>KARLSTAD TMA</p> <p>594712N 0141205E-593915N 0141736E-592542N 0135750E-590753N 0132030E-585435N 0130505E-585617N 0124950E-591430N 0125450E-594634N 0132532E-594644N 0133537E-594712N 0141205E</p> <p>a) 594644N 0133537E-592542N 0135750E-590753N 0132030E-591430N 0125450E-594634N 0132532E-594644N 0133537E</p> <p>b) 594712N 0141205E-593915N 0141736E-592542N 0135750E-594644N 0133537E-594712N 0141205E</p> <p>c) 591430N 0125450E-590753N 0132030E-585435N 0130505E-585617N 0124950E-591430N 0125450E</p> <p><i>Established during operational hours of KARLSTAD TWR.</i></p> | <p>FL 95 / 2900 m STD 2000 ft / 600 m MSL Class C</p> <p>FL 95 / 2900 m STD 4500 ft / 1350 m MSL Class C</p> <p>FL 95 / 2900 m STD 4500 ft / 1350 m MSL Class C</p> | <p>Karlstad TWR 119.450 KARLSTAD TOWER</p> | |
| | | | |

3.1 Flygvägar för områdesnavigering (RNAV) undre/övre

RNAV routes Lower/Upper

| ATS ROUTES-RNAV | | | ATS Airspace Classification. Ref ENR 1.4 | | | |
|---|---------------------------|--------------------|--|---------------|------|---|
| Identification Significant Points (VAR 2005) ATC unit | Geodetic True Track | Dist km (NM) | Vertical limits and Class of Airspace | FL Allocation | | Remarks |
| | | | | Odd | Even | |
| L87/UL87 Δ KALMAR VOR/DME KAL (3.5°E) 564107.4N 0161703.1E Δ GORPI FIR/UIR Boundary 545500.0N 0153918.0E | 191.6 | 201 (108.4) | FL460/14000 m STD FL195/5950 m STD Class C | | ↓ | <i>Unidirectional</i> CDR 3 MON-THU 0730-1500 (0630-1400) FRI and day before HOL 0730-1100 (0630-1000) In addition 15 SEP-1 APR also TUE 1500-2100 (1400-2000). Other times CDR 1 To avoid ES R64S/M, ES D138 and D139 TEMPO radar vectoring on ATC instructions. <u>Route extension:</u> Max 8 NM For continuation see AIP Poland |
| | | | | | | |
| L617/UL617 Δ KOLOB FIR/UIR Boundary (3.0°E) 544923.0N 0145639.1E Δ RØNNE VOR/DME ROE (3.0°E) 550356.1N 0144531.3E | 338.3 | 31 (16.8) | FL460/14000 m STD FL245/7450 m STD Class C | | ↓ | For continuation see AIP Poland <i>Unidirectional</i> AVBL only above FL245 |
| | | | | | | |
| L621/UL621 Δ REDFI FIR/UIR Boundary (3.0°E) 545500.0N 0150826.2E Δ RØNNE VOR/DME ROE (3.0°E) 550356.1N 0144531.3E Δ ELVIX 552442.7N 0140539.2E Δ MAXUM 553940.5N 0133614.4E Δ SVEDA VOR/DME SVD (1.5°E) 561007.9N 0123425.6E Δ KULUD FIR/UIR Boundary 561538.0N 0121959.0E Δ ROKAM 561901.0N 0121100.0E Δ MADAG (1.5°E) 562250.0N 0120049.0E | 304.3 | 30 (15.9) | FL460/14000 m STD FL 95/2900 m STD Class C | ↑ | ↓ | For continuation see AIP Poland To avoid EK D95 TEMPO radar vec- toring on ATC instructions. Route extension: Max 2 NM ATS above FL95 between KULUD and MADAG is provided by Malmö ACC. For continuation see AIP Denmark |
| | 124.0 | 57 (30.9) | | | | |
| | 312.6 | 42 (22.5) | | | | |
| | | 86 (46.3) | | | | |
| | 130.8 | 18 (9.7) | | | | |
| | 304.4 | 11 (6.0) | | | | |
| | | 13 (6.8) | | | | |
| | | | | | | |
| | 124.0 | | | | | |
| | | | | | | |

| ATS ROUTES-RNAV | | | ATS Airspace Classification. Ref ENR 1.4 | | | |
|--|---------------------------|--------------------|--|---------------|------|--|
| Identification Significant Points (VAR 2005) ATC unit | Geodetic True Track | Dist km (NM) | Vertical limits and Class of Airspace | FL Allocation | | Remarks |
| | | | | Odd | Even | |
| L727/UL727 Δ PENOR FIR/UIR boundary (3.0°E) 553819N 0170941E Δ OSLOB 590540.0N 0114922.6E Δ MOGLU FIR/UIR Boundary (1.5°E) 590730.0N 0114609.0E | 322.4 | 501 (270.5) | <u>FL460/14000 m STD</u> FL95/2900 m STD Class C | ↑ | ↓ | For continuation see AIP Poland To avoid ES R64S TEMPO radar- vectoring on ATC instructions. <u>Route extension:</u> Max 2 NM |
| | 137.8 | 5 (2.5) | | | | |
| L741/UL741 Δ RØNNE VOR/DME ROE 550356.1N 0144531.3E Δ RUMAR FIR/UIR Boundary 550200.7N 0160415.2E | 091.9 | 84 (45.3) | <u>FL460/14000 m STD</u> FL95/2900 m STD Class C | ↓ | ↑ | L741 CDR in Poland below FL245 No specific restriction in Sweden. Availability dependent on availability of segment RUMAR-RANOK. See AIP Poland. To avoid ES D138 and D139 TEMPO radar vectoring on ATC instructions. <u>Route extension:</u> Max 40 NM |
| | 273.0 | | | | | |
| L870/UL870 Δ NEBSI FIR/UIR Boundary (5.0°E) 585417.9N 0205628.5E Δ XILAN (4.5°E) 593933.5N 0190433.8E | 309.1 | 136 (73.2) | <u>FL460/14000 m STD</u> FL95/2900 m STD Class C | | ↓ | AVBL only for traffic to ESSA. Traffic with destination ESSB shall flightplan NEBSI DCT ALOLA. |
| | | | | | | |
| L975/UL975 Malmö ACC Δ KOKAK FIR/UIR Boundary (2.0°E) 552929.0N 0124254.0E Δ NISLO 552857.0N 0125305.0E Δ ELVIX (2.5°E) 552442.7N 0140539.2E | 095.2 | 11 (5.8) | <u>FL460/14000 m STD</u> FL95/2900 m STD Class C | ↓ | ↑ | For continuation see AIP Denmark To avoid ES R55A TEMPO radar- vectoring on ATC instructions <u>Route extension:</u> Max 2 NM ATS between KOKAK and NISLO is provided by Copenhagen ACC CDR 3 Below FL195 |
| | 276.4 | 77 (41.5) | | | | |

| ATS ROUTES-RNAV | | | ATS Airspace Classification. Ref ENR 1.4 | | | |
|---|---|---|--|-------------------|--|---------|
| Identification Significant Points (VAR 2005) ATC unit | Geodetic True Track | Dist km (NM) | Vertical limits and Class of Airspace | FL Allocation | | Remarks |
| | | | | Odd | Even | |
| <p>M996/UM996</p> <p>Stockholm ACC</p> <p>Δ TROSA DVOR/DME TRS (3.5°E) 585616.5N 0173008.0E</p> <p>Δ ROGMI 581137.6N 0180006.3E</p> <p>Malmö ACC UIR</p> <p>Δ VISBY VOR/DME VSB (4.0°E) 573934.3N 0182048.7E</p> <p>Malmö ACC</p> <p>Δ GELDA FIR/UIR Boundary 565217N 0193400E</p> | <p>160.5</p> <p>341.2</p> <p>139.5</p> <p>320.5</p> | <p>88 (47.4)</p> <p>63 (34.0)</p> <p>115 (61.8)</p> | <p><u>FL 460/14000 m STD</u> <u>FL95/2900 m STD</u></p> <p>Class C</p> | <p>↓</p> <p>↑</p> | <p>M996 Level Allocation</p> <p>Segment TRS-VSB not AVBL for traffic departing ESSV with destination ESSV. Traffic to ESSV shall flight plan BABAP-RODET-VSB.</p> <p>Traffic to ESSA may be routed via NILUG 584857.0N 0175305.0E for sequencing purposes.</p> <p>For continuation see AIP Latvia</p> | |
| <p>N150/UN150</p> <p>Stockholm ACC</p> <p>Δ OGLAV UIR Boundary (6.5°E) 684959.0N 0211022.0E</p> <p>Δ OGRIN (6.0°E) 674357.5N 0191809.2E</p> <p>Δ RIGNA UIR Boundary (2.5°E) 620820.0N 0121543.0E</p> | <p>213.1</p> <p>024.9</p> | <p>145 (78.3)</p> <p>706 (381.2)</p> | <p><u>FL460/14000 m STD</u> <u>FL245/7450 m STD</u></p> <p>Class C</p> | <p>↑</p> <p>↓</p> | <p>For continuation see AIP Finland</p> <p>AVBL only above FL245</p> <p>Within N150/UN150 the VOR/DME coverage is not sufficient to enable operators to meet the required system use accuracy when using Basic RNAV equipment exclusively based on VOR/DME. However, such equipment may still be used along this route as radar service will be provided whenever requested.</p> <p>To avoid ES R01 TEMPO rerouting on ATC instruction. <u>Route extension:</u> Max 10 NM</p> <p>For continuation see AIP Norway</p> | |
| <p>N197/UN197</p> <p>Stockholm ACC FIR, Malmö ACC UIR</p> <p>Δ NEREN FIR/UIR Boundary 583739.8N 0204618.4E</p> <p>Δ GOSAN 581350.3N 0191219.2E</p> <p>Δ RODET 580427.5N 0183703.5E</p> | <p>244.9</p> <p>063.0</p> | <p>102 (54.9)</p> <p>39 (20.9)</p> | <p><u>FL460/14000 m STD</u> <u>FL95/2900 m STD</u></p> <p>Class C</p> | <p>↑</p> <p>↓</p> | <p>For continuation see AIP Estonia</p> | |

| ATS ROUTES-RNAV | | | ATS Airspace Classification. Ref ENR 1.4 | | | |
|---|---------------------------|--------------------|--|---------------|------|---|
| Identification Significant Points (VAR 2005) ATC unit | Geodetic True Track | Dist km (NM) | Vertical limits and Class of Airspace | FL Allocation | | Remarks |
| | | | | Odd | Even | |
| N607/UN607 Malmö ACC Δ MAKUR FIR/UIR Boundary (1.5°E) 572547.0N 0112425.0E Δ BACKA DVOR/DME BAK (1.5°E) 573318.6N 0115836.7E | 067.5 | 37 (19.9) | <u>FL 460/14000 m STD</u> FL95/2900 m STD Class C | ↓ | | For continuation see AIP Denmark <i>Unidirectional</i> Traffic with destination within Göteborg TMA shall cross MAKUR at FL240 or below. |
| N623/UN623 Stockholm ACC FIR Malmö ACC UIR Δ NEKET FIR/UIR Boundary (5.0°E) 581816.0N 0203443.0E Stockholm ACC Δ NEKLA 590000.0N 0191549.1E Δ TEBBY DVOR/DME TEB (4.0°E) 593154.1N 0181212.0E Δ AROS DVOR/DME ARS (3.5°E) 593510.3N 0163901.4E Δ BEDLA 593744.2N 0161330.1E Δ PEPIL (2.5°E) 594654.3N 0143349.9E Δ SUMAK FIR/UIR Boundary (1.5°E) 595714 .0N 0121826.0E | 316.0 | 109 (58.7) | <u>FL460/14000 m STD</u> FL95/2900 m STD Class C | ↑ | | For continuation see AIP Latvia Segment TEB – SUMAK unidirectional. PEPIL: Exit point for traffic to ESOK. For continuation see AIP Norway |
| | 133.9 274.6 | 85 (45.7) | | ↓ | | |
| N624/UN624 Malmö ACC Δ KOLJA (3.0°E) 560000.0N 0164852.8E Δ KOSKA FIR/UIR Boundary (5.0°E) 591058.0N 0204034.0E | 031.5 | 423 (228.3) | <u>FL 460/14000 m STD</u> FL245/7450 m STD Class C | ↑ | | <i>Unidirectional</i> AVBL only above FL245 For continuation see AIP Finland |

| ATS ROUTES-RNAV | | ATS Airspace Classification. Ref ENR 1.4 | | | | |
|---|---------------------------|--|---|---------------|------|--|
| Identification Significant Points (VAR 2005) ATC unit | Geodetic True Track | Dist km (NM) | Vertical limits and Class of Airspace | FL Allocation | | Remarks |
| | | | | Odd | Even | |
| P606/UP606 Malmö ACC Δ KALMAR VOR/DME KAL (3.5°E) 564107.4N 0161703.1E Malmö/Stockholm ACC Δ OLANU 572808.3N 0174306.9E Δ GOSAN 581350.3N 0191219.2E F ALAMI FIR/UIR Boundary (5.0°E) 590252.0N 0205457.0E | 044.3 | 123 (66.6) | <u>FL 460/14000 m STD</u> FL95/2900 m STD Class C | ↓ | | <i>Unidirectional</i> To avoid ES R29 and R65 TEMPO radar vectoring on ATC instructions. <u>Route extension:</u> Max 6 NM ALAMI is a "fly over" point For continuation see AIP Finland |
| | | 122 (66.1) | | | | |
| | | 138 (72.7) | | | | |
| | | | | | | |
| P607/UP607 Stockholm ACC Δ SUTOK FIR/UIR Boundary (2.0°E) 600739.0N 0123046.0E Δ MEGEN 600106.0N 0142430.8E Δ DEMOR 595740.5N 0151443.5E Δ NARIT 595044.2N 0164420.6E Δ ELTOK (3.5°E) 594928.0N 0165923.7E Δ LINSA 594328.3N 0172442.1E Δ TEBBY DVOR/DME TEB (4.0°E) 593154.1N 0181212.0E Δ BABAP 592520.2N 0184227.5E Δ TOMBU 591346.0N 0193404.2E Δ NEBSI FIR/UIR Boundary (5.0°E) 585417.9N 0205628.5E | 095.7 | 106 (57.4) | <u>FL 460/14000 m STD</u> FL95/2900 m STD Class C | ↓ | | For continuation see AIP Norway Segment SUTOK-ELTOK unidirectional DEMOR: Entry point for traffic from ESOK. |
| | | 47 (25.5) | | | | |
| | | 85 (45.7) | | | | |
| | | 14 (7.7) | | | | |
| | 115.0 | 26 (14.1) | | | | |
| | | 50 (26.8) | | | | |
| | 296.0 | 31 (16.8) | | | | |
| | 112.9 | 54 (28.9) | | | | |
| | | 87 (46.8) | | | | |
| | 295.2 | | | | | |

| ATS ROUTES-RNAV | | | ATS Airspace Classification. Ref ENR 1.4 | | | |
|---|--|---|---|-----------------------------|--|---------|
| Identification Significant Points (VAR 2005) ATC unit | Geodetic True Track | Dist km (NM) | Vertical limits and Class of Airspace | FL Allocation | | Remarks |
| | | | | Odd | Even | |
| P608/UP608 Stockholm ACC Δ SUVAR FIR/UIR Boundary (2.5°E) 610905.0N 0124310.0E Δ BORLÄNGE VOR/DME BOR (3.0°E) 602517.4N 0153109.1E Δ PERAX 600434.0N 0162253.0E Δ ELTOK (3.5°E) 594928.0N 0165923.7E Δ TROSA VOR/DME TRS 585616.5N 0173008.0E | 116.8 299.3 128.5 309.8 163.4 343.8 | 17 (93.3) 61 (33.1) 44 (23.8) 103 (55.6) | <u>FL460/14000 m STD</u> FL 95/2900 m STD Class C | ↓ ↑ ↓ | For continuation see AIP Norway | |
| P609/UP609 Stockholm ACC Δ BEDLA (3.0°E) 593744.2N 0161330.1E Δ NARIT 595044.2N 0164420.6E Δ RESNA (4.5°E) 602201.0N 0180129.4E Δ SIPRI (4.5°E) 605044.2N 0184506.2E Δ BAKLA FIR/UIR Boundary (5.0°E) 612145.0N 0192457.0E | 049.9 231.5 036.9 217.1 031.6 212.2 | 38 (20.3) 92 (49.7) 67 (35.9) 68 (36.6) | <u>FL460/14000 m STD</u> FL95/2900 m STD Class C | ↓ ↑ ↓ | P609 CDR in Finland below FL285. No specific restriction in Sweden. Availability dependent on availability of segments SIPRI-RALOX and SIPRI-VAS. See AIP Finland. For continuation see AIP Finland | |
| P739/UP739 Malmö ACC Δ DEREK FIR/UIR Boundary (4.5°E) 574022.0N 0201239.0E Δ KOLJA 560000.0N0164852.8E | 229.5 | 279 (150.4) | <u>FL460/14000 m STD</u> FL95/2900 m STD Class C | ↓ | For continuation see AIP Latvia <i>Unidirectional</i> | |

4.4 Signifikanta punkter / Name-Code designators for significant points

| Name code designator | Coordinates | ATS route or other route |
|----------------------|----------------------|--|
| ABALA | 663929.5N 0230000.0E | P853, UP853 |
| ABAMA | 575911.9N 0153410.6E | N850, UN850 |
| ABAXI | 664706.0N 0155233.0E | P600, UP600 |
| ABENI | 591416.3N 0170519.6E | ESSA SID |
| ACBAR | 640009.3N 0195120.4E | ESNU STAR |
| AKIBA | 591244.0N 0114719.0E | L996, UL996 |
| ALAMI | 590252.0N 0205457.0E | N746, UN746, P606, UP606 |
| ALOLA | 591536.3N 0183706.4E | |
| ASKEB | 662422.3N 0231657.6E | M852, UM852, P853, UP853 |
| ASTOS | 560713.7N 0125740.5E | Z451, Z490, UZ490 |
| BABAP | 592520.2N 0184227.5E | P156, UP156, P607, UP607, ESSA SID |
| BABSI | 555548.4N 0131158.1E | ESMS SID |
| BAKIL | 625820.0N 0175612.4E | M852, UM852, ESNN STAR/SID |
| BAKLA | 612145.0N 0192457.0E | P609, UP609 |
| BAKLI | 545500.0N 0133338.8E | Z400, UZ400, ESMS STAR |
| BALOX | 550207.9N 0132537.1E | L983, UL983, M736, UM736 |
| BALVI | 594445.0N 0173525.0E | ESSA STAR |
| BASTI | 652740.0N 0224237.4E | ESPA STAR |
| BEBSI | 572800.4N 0114254.5E | ESGG STAR |
| BEDLA | 593744.2N 0161330.1E | N623, UN623, N866, UN866, P609, UP609 |
| BEDOS | 572135.3N 0150750.3E | N851, UN851 |
| BENGI | 574920.3N 0144822.5E | ESGJ SID |
| BENKA | 631837.7N 0152432.6E | ESNZ STAR/SID |
| BESLA | 655127.1N 0221836.9E | M607, UM607, M852, UM852, T31, UT31, ESPA STAR/SID |
| BESLO | 640331.0N 0133602.0E | P600, UP600 |
| BEXUL | 653534.0N 0240914.0E | P853, UP853 |
| BODRI | 622454.0N 0194927.0E | T31, UT31 |
| BOLPA | 653804.8N 0213021.1E | ESPA STAR |
| CINDY | 573842.0N 0124822.0E | ESGG SID |
| DEDIT | 631529.7N 0202702.2E | T31, UT31, ESNU SID |
| DEGAL | 603819.8N 0175724.0E | T314, UT314, Y430, UY430 |
| DEGAV | 574341.0N 0122024.8E | N873, UN873, Z40, UZ40 |
| DEMOR | 595740.5N 0151443.5E | P607, UP607 |
| DEPEX | 591131.0N 0150120.9E | N866, UN866, Y42, UY42 |
| DERAX | 564041.5N 0152301.7E | ESDF STAR |
| DEREX | 574022.0N 0201239.0E | P739, UP739, P863, UP863 |

| Name code designator | Coordinates | ATS route or other route |
|----------------------|----------------------|--|
| DESAS | 553647.0N 0130938.0E | EKCH STAR 12 |
| DETMO | 621347.1N 0165827.4E | M852, UM852, ESNN SID |
| DETNA | 573515.4N 0110408.6E | ESGG SID |
| DETFI | 545500.0N 0142039.0E | M864, UM864 |
| DETSO | 583600.0N 0141551.7E | N873, UN873 |
| DETUS | 550122.1N 0125958.8E | L983, UL983, ESMS STAR |
| DEVNI | 571259.8N 0135536.4E | ESGJ STAR/SID |
| DIGLI | 590657.9N 0171822.2E | ESSA SID |
| DISGO | 550905.7N 0124400.8E | ESMS SID |
| DODAM | 600240.0N 0191806.0E | N873, UN873 |
| DOLAX | 630358.4N 0150234.0E | ESNZ STAR |
| EDAXA | 624654.0N 0193755.7E | M607, UM607, T311, UT311 |
| ELBOG | 650945.6N 0213053.4E | M607, UM607, ESPA STAR |
| ELKOM | 573403.5N 0184651.4E | ESSV STAR |
| ELPAX | 580543.7N 0151624.1E | N872, UN872 |
| ELTOK | 594928.0N 0165923.7E | P607, UP607, P608, UP608, Y36, UY36, ESSA STAR |
| ELVIX | 552442.7N 0140539.2E | L621, UL621, L975, UL975, L996, UL996, M611, UM611, Z411 |
| ETRUS | 552824.4N 0153805.4E | M864, UM864, ALTN point: M611, UM611, P862, UP862 |
| EVLAN | 601508.0N 0190643.0E | N866, UN866 |
| EVONA | 570954.0N 0195529.0E | M611, UM611, P862, UP862 |
| GADDE | 633518.4N 0204109.8E | ESNU STAR/SID |
| GALNU | 585915.6N 0172942.6E | ESSA SID |
| GALPI | 625048.8N 0200824.8E | T311, UT311, T31, UT31 |
| GALPO | 631011.6N 0135718.4E | ESNZ STAR |
| GAMVI | 563430.0N 0133357.7E | ESMS STAR, ESTL STAR |
| GELDA | 565217.0N 0193400.0E | M996, UM996 |
| GELMA | 570222.6N 0141213.2E | N850, UN850 |
| GILEN | 680139.0N 0170604.0E | P600, UP600 |
| GOLMI | 554638.0N 0123059.0E | N850, UN850 |
| GORAX | 554822.0N 0130226.0E | N851, UN851 |
| GORPI | 545500.0N 0153918.0E | L87, UL87, N746, UN746 |
| GOSAN | 581350.3N 0191219.2E | N197, UN197, P606, UP606 |
| GOSOT | 544820.3N 0145128.1E | L996, UL996 |
| HANSA | 575448.8N 0174847.9E | ESSV STAR/SID |
| INTAR | 552305.0N 0130023.0E | L990, UL990 |
| INVOL | 573916.0N 0111317.0E | N866, UN866 |
| IRGAL | 624950.0N 0200039.0E | T311, UT311 |
| KEKOV | 545657.7N 0142628.2E | Z491, UZ491 |
| KELAS | 602807.0N 0191033.0E | Y440, UY440 |

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 i första hand genom NOTAM, i många fall kompletterat med Navigationsvarning.

2.1.4 Temporary restricted areas as well as temporary lateral or vertical extensions of permanent restricted areas will be promulgated primarily by NOTAM, in several cases supplemented by Navigationsvarning (issued in Swedish only).

2.1.5 Vid flygning i vissa Restriktionsområden – ES R47, R53, R57 och R61 – som inrättats till skydd för nationalparker anges som restriktion »förbjudet att flyga i dalgångar». Detta innebär att flygning på lägre höjd än 300 m (1000 ft) GND och/eller närmare bergstoppar eller bergsryggar än 5000 m är förbjuden.

2.1.5 When flying in certain restricted areas – ES R47, R53, R57 and R61 –, established to protect National Parks the restriction »Flight in valleys is prohibited» is stated. This means that flight at altitudes lower than 300 m (1000 ft) GND and/or closer than 5000 m to mountain peaks or ridges is prohibited.

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 1979:969 med ändring enligt SFS 1991:1296, 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.

Inom dessa områden är dock **fotografering och liknande registrering från luftfartyg förbjuden**, om inte tillstånd inhämtats från Försvarmakten. [Lag (1993:1742) om skydd för landskapsinformation].

Within the restricted areas mentioned above, **photographing or similar recordings from aircraft are prohibited** unless a special permission has been obtained from the Swedish Armed Forces [Act (1993:1742)].

2.2.2 Inom områdena ES R97, R98, R99, R100, och R101 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 Försvarmakten, Rikspolisstyrelsen, Polismyndighet, Kustbevakningen, Sjöfartsverket, Luftfartsstyrelsen, LFV, Tullverket, Lantmäteriverket, Sveriges Geologiska Undersökning, SMHI och Svenska Kraftnät eller med luftfartyg som används i räddningsinsatser enligt lagen härför (2003:778).

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

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

2.3 Restriktionsområden för segelflygning i moln

2.3.1 Detta berör följande områden, ES R200, R204, R206, R208, R209 och R211, vilka är upprättade under perioden 15 MAY–15 SEP utanför militär flygövningstid. Tiden för upp rättande kan utökas genom NOTAM.

Områdena är aktiverade endast när segelflygverksamhet pågår. Aktivering sker på begäran via radio eller telefon till berört ACC.

2.3.2 När område är aktiverat kommer klarering inte att ges för genomflygning på höjder mellan FL 95/2900 m STD och FL 195/5950 m STD.

Tillstånd för genomflygning på höjder mellan 5000 ft/1500 m MSL och FL 95/2900 m STD kommer att medges under VMC.

2.3.3 Väderförhållanden

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

- Total molnmängd i området får inte överstiga BKN. Segelflygning i CB får inte äga rum.
- Molntäckeshöjd ej under 750 meter.
- Vindhastighet i området (berört höjdsikt) får inte överstiga 20 kt.
- Segelflygning får inte äga rum i moln ur vilket nederbörd faller.

2.2.2 Flight within areas ES R97, R98, R99, R100 and R101 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, Swedish National Police Board, local Police Department, Swedish Coast Guard, Swedish Maritime Administration, Swedish Civil Aviation Authority, The LFV Group, Swedish Customs Administration, National Land Survey Office, Geological Survey of Sweden, Swedish Meteorological and Hydrological Institute and Svenska Kraftnät or by aircraft engaged in rescue operations in accordance with Swedish law 2003:778.

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

Permission for flight in the areas may be granted by the Swedish Civil Aviation Authority if special circumstances prevail.

2.3 Restricted areas for soaring in clouds

2.3.1 This concerns the following areas ES R200, R204, R206, R208, R209 and R211 which are established during the period 15 MAY–15 SEP outside military air exercise hours. The hours may be extended, such extension will be published by NOTAM.

The areas are activated only when soaring is in progress. Activation on request by radio or telephone to the supervisor of the ACC concerned.

2.3.2 Clearance to cross activated area will not be given at levels between FL 95/2900 m STD and FL 195/5950 m STD.

Permission to cross will be given between 5000 ft/1500 m MSL and FL 95/2900 m STD maintaining VMC.

2.3.3 Weather conditions

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

- Total amount of clouds in the area does not exceed BKN. Soaring in CB is not permitted.
- Ceiling is not below 750 metres.
- Wind speed in area (altitude layer concerned) not exceeding 20 kt.
- No soaring in clouds from which precipitation is falling.

2.4 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 683203N 0215942E - 681745N 0214612E - 674724N 0211613E - 674724N 0205443E - 675924N 0204843E - 682121N 0195516E - Swedish/Norwegian border northward to 690336N 0203255E | UNL ----- GND | Rocket firing and balloon ascends. 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. NOTAM Series B, will be issued at least 6 HR prior to launching of rockets. Information regarding launching may be obtained from KIRUNA ATS or STOCKHOLM ACC. |
| ES R02 VIDSEL | 665454N 0183445E - 663555N 0195144E - 660755N 0202244E - 655155N 0200944E - 655155N 0192645E - 663055N 0175246E - 665454N 0183445E | UNL ----- GND | Missile firing and firing. 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| ES R05A BODEN | 654835N 0213616E - 654725N 0213944E - 654525N 0214144E - 654355N 0213614E - 653955N 0213314E - 653825N 0211844E - 653955N 0211244E - 654525N 0211844E - 654555N 0213044E - 654835N 0213616E | 31500 ft / 9600 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC or KALLAX ATS. Permission to cross must be obtained at least 5 min before estimated entry. Permission to cross below 1150 ft GND will be given exceptionally only. |
| ES R05B BODEN | 654525N 0214144E - 654025N 0213944E - 653955N 0213314E - 654355N 0213614E - 654525N 0214144E | 31500 ft / 9600 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC or KALLAX ATS. Permission to cross must be obtained at least 5 min before estimated entry. Permission to cross below 1150 ft GND will be given exceptionally only. |
| ES R05C BODEN | 654855N 0213514E - 654835N 0213616E - 654555N 0213044E - 654855N 0213514E | 31500 ft / 9600 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC or KALLAX ATS. Permission to cross must be obtained at least 5 min before estimated entry. Permission to cross below 1150 ft GND will be given exceptionally only. |

| Restricted areas | | | |
|--------------------------------------|--|--|---|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R07 UMEÅ | 635646N 0201815E - 635301N 0201915E - 635137N 0201813E - 635018N 0201621E - 635012N 0201451E - 635148N 0201139E - 635618N 0200944E - 635646N 0201815E | 11000 ft / 3350 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC or UMEÅ ATS. |
| ES R08A ÖSTERSUND | 631556N 0144408E - 631426N 0144618E - 631208N 0144048E - 631342N 0143918E - 631531N 0144138E - 631556N 0144408E | 28000 ft / 8550 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC or ÖSTERSUND ATS. |
| ES R08B ÖSTERSUND | 631426N 0144618E - 631206N 0144718E - 631106N 0144148E - 631208N 0144048E - 631426N 0144618E | 28000 ft / 8550 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC or ÖSTERSUND ATS. |
| ES R08C ÖSTERSUND | 631206N 0144718E - 631056N 0145248E - 630851N 0144908E - 630921N 0144648E - 631106N 0144148E - 631206N 0144718E | 28000 ft / 8550 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC or ÖSTERSUND ATS. |
| ES R09 SALUBÖLE | 632656N 0191546E - 632526N 0192603E - clockwise along an arc centred on 632656N 0191546E and with radius 4.9 NM (9.0 km) - 632208N 0191716E - 632656N 0191546E | 10500 ft / 3200 m MSL ----- 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 / 3500 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. |
| ES R11 MOUTH OF ÄNGERMANÄLVEN | 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| ES R13 ÄLVDALEN | 613926N 0133553E - 613719N 0135841E - 613238N 0141232E - 612353N 0140824E - 611622N 0134606E - 611948N 0133511E - 613158N 0132126E - 613627N 0132746E - 613926N 0133553E | 35500 ft / 10800 m MSL ----- GND | Firing and blasting. 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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 / 12350 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC on Freq 132.475 MHz. |
| ES R15B VÄDDÖ | 601257N 0184347E - 600816N 0185039E - 595632N 0185332E - 595038N 0191356E - 595158N 0184747E - 600357N 0183847E - 601257N 0184347E | 4500 ft / 1350 m MSL ----- GND | Target towing. Permission obtainable from STOCKHOLM ACC. Active in daytime during hours for target towing. During these hours permission to cross the area will be given exceptionally. |

| Restricted areas | | | |
|--|---|---------------------------------------|---|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R16A KUNGSÄNGEN | 593604N 0174158E - 593604N 0174204E - 593603N 0174218E - 593549N 0174251E - 593532N 0174323E - 593529N 0174338E - 593539N 0174511E - 593524N 0174610E - 593452N 0174713E - 593433N 0174732E - 593419N 0174733E - 593409N 0174713E - 593343N 0174208E - 593407N 0174112E - 593524N 0174035E - 593604N 0174158E | 1600 ft / 490 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC and ARLANDA TWR. |
| ES R16B KUNGSÄNGEN | 593409N 0174713E - 593402N 0174724E - 593401N 0174731E - 593359N 0174750E - 593254N 0174400E - 593343N 0174208E - 593409N 0174713E | 1600 ft / 490 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC and 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 / 490 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC and ARLANDA TWR. |
| ES R18 BOFORS, VILLINGSBERG | 593112N 0150228E - 591829N 0145637E - 591509N 0144933E - 591335N 0143935E - 591704N 0143449E - 592352N 0143449E - 593112N 0150228E | 32000 ft / 9750 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC and 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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 | 20500 ft / 6250 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. |
| ES R22B VÄTTERN | 582049N 0143911E - 581658N 0144219E - 581258N 0144219E - 581158N 0143304E - 580758N 0142749E - 581209N 0141358E - 581611N 0141718E - 582049N 0143911E | 4500 ft / 1350 m MSL ----- GND | Flight with UAV. Permission obtainable from STOCKHOLM ACC. |
| ES R22C VÄTTERN | 583021N 0143708E - 582921N 0144547E - 582711N 0144505E - 582508N 0144327E - 582318N 0144048E - 582106N 0143327E - 582053N 0142817E - 582636N 0142827E - 582835N 0142720E - 582925N 0142912E - 583020N 0143113E - 583021N 0143708E | 17500 ft / 5350 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. |

| Restricted areas | | | |
|--|---|--|--|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| 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 | 20500 ft / 6250 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. |
| ES R23 PRÄSTTOMTA | 584054N 0152308E - 583835N 0152604E - 583550N 0152741E - 583429N 0152329E - 583513N 0151847E - 583858N 0151746E - 584054N 0152308E | 17500 ft / 5350 m MSL ----- GND | Firing and blasting. Permission obtainable from ÖSTGÖTA TMC and STOCKHOLM ACC. |
| ES R24 DROTTNINGHOLM | 592027N 0175311E - 591937N 0175520E - 591820N 0175458E - 591810N 0175229E - 591916N 0175033E - 592008N 0175108E - 592027N 0175311E | 2000 ft / 600 m MSL ----- GND | Permission obtainable from National Swedish Police Board. Permission for VFR-flight shall be obtained at least 14 days before intended flight. Flight plan shall be field. The permission number shall be inserted under item 18 with the abbreviation RMK/ followed by the permission number. Clearance will normally be given to IFR traffic. Permission not required for traffic having a standing permission. |
| ES R25 ÄLLEBERG | A circle with radius 5.4 NM (10 km) centred on 580758N 0133550E (N point of the mountain Älleberg) | FL 195 / 5950 m STD ----- 5000 ft / 1500 m MSL | Soaring in clouds. Permission to cross shall be obtained from MALMÖ ACC 128.625 MHz. Established during the period 1 MAY- 15 SEP daily 0700-2100 (0600-2000). 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| ES R28A TOFTA | 573705N 0180647E - 573524N 0181054E - 573430N 0181232E - 573258N 0181207E - 572859N 0180747E - 572829N 0180017E - 572936N 0175756E - 573314N 0175817E - 573619N 0180147E - 573705N 0180647E | 27000 ft / 8250 m MSL ----- GND | Firing and blasting. Target towing. Permission obtainable from VISBY ATS. |
| ES R28B TOFTA | 574058N 0175717E - 573705N 0180647E - 573619N 0180147E - 573314N 0175817E - 572936N 0175756E - 572829N 0180017E - 572729N 0175017E - 573528N 0175047E - 574058N 0175717E | 27000 ft / 8250 m MSL ----- GND | Firing and blasting. Target towing. Permission obtainable from VISBY ATS. |
| ES R28C TOFTA | 574205N 0181054E - 573524N 0181054E - 574058N 0175717E - 574205N 0181054E | 27000 ft / 8250 m MSL ----- GND | Firing and blasting. Target towing. Permission obtainable from VISBY ATS. |
| ES R29 VISBORGS SLÄTT | 573850N 0181308E - 573720N 0181640E - 573707N 0181621E - 573636N 0181503E - 573627N 0181045E - 573807N 0181153E - 573850N 0181308E | 10500 ft / 3200 m MSL ----- GND | Firing and blasting. Permission obtainable from VISBY ATS. |
| ES R30A SKILLINGARYD | 573041N 0140610E - 572928N 0141419E - 572128N 0141049E - 572058N 0140519E - 572910N 0140517E - 573041N 0140610E | 24500 ft / 7450 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC, STOCKHOLM ACC and JÖNKÖPING ATS. |

| Restricted areas | | | |
|--------------------------------------|--|--|---|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R30B SKILLINGARYD | 572128N 0141049E - 571659N 0140919E - 571659N 0140449E - 572058N 0140519E - 572128N 0141049E | 24500 ft / 7450 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC, STOCKHOLM ACC and JÖNKÖPING ATS. |
| ES R31 STORA AND LILLA KARLSÖ | A circle with radius 8 NM (14.8 km) centred on 571759N 0175947E | 6500 ft / 2000 m MSL ----- 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 NYÅRSÅSEN | 564459N 0124650E - 564459N 0124850E - 564359N 0124950E - 564259N 0124850E - 564329N 0124550E - 564459N 0124650E | 9000 ft / 2750 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC and 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| ES R34 RAVLUNDA | 555629N 0142234E - clockwise along an arc centred on 554402N 0140944E and with radius 14.3 NM (26.5 km) - 553409N 0142749E - 554325N 0141146E - 554319N 0140919E - 554514N 0140819E - 554609N 0140954E - 554544N 0141144E - 555629N 0142234E | 17000 ft / 5200 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC and KRISTIANSTAD ATS. |
| ES R35 RAVLUNDA | 554632N 0140547E - 554609N 0140954E - 554514N 0140819E - 554319N 0140919E - 554325N 0141146E - 554204N 0140717E - 554507N 0140358E - 554632N 0140547E | 10500 ft / 3200 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC and KRISTIANSTAD ATS. |
| ES R37 HÄRAD | 592158N 0165748E - 592052N 0170148E - 591844N 0165948E - 591844N 0165518E - 592028N 0165408E - 592128N 0165418E - 592158N 0165748E | 10500 ft / 3200 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. |
| ES R38A RINKABY | 555929N 0141619E - 555829N 0142019E - 555759N 0142849E - 555329N 0142149E - 555629N 0141919E - 555759N 0141549E - 555929N 0141619E | 17000 ft / 5200 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC and KRISTIANSTAD ATS. |
| ES R38B RINKABY | 560059N 0141649E - 560059N 0141919E - 555829N 0142019E - 555929N 0141619E - 560059N 0141649E | 17000 ft / 5200 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC and KRISTIANSTAD ATS. |
| ES R39 EKSJÖ | A circle with radius 1.6 NM (3000 m) centred on 574058N 0145334E | 11000 ft / 3350 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. |
| ES R40 KOSTA | 565429N 0153219E - 565229N 0153349E - 564959N 0153049E - 565023N 0152719E - 565259N 0152719E - 565429N 0153219E | 18000 ft / 5500 m MSL ----- GND | Firing and blasting. 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 / 12350 m MSL ----- GND | Firing and blasting. Target towing. Permission obtainable from MALMÖ ACC and HALMSTAD ATS. |

| Restricted areas | | | |
|---------------------------------------|---|---------------------------------------|---|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R41B RINGENÄS | 564559N 0123350E - 564329N 0124150E - 564119N 0124450E - 563359N 0124220E - 564019N 0124220E - 564119N 0124410E - 564159N 0124340E - 564159N 0124050E - 564559N 0123350E | 3500 ft / 1050 m MSL ----- GND | Target towing. Permission obtainable from MALMÖ ACC and HALMSTAD ATS. |
| ES R43 BULID | 582749N 0115513E - 582739N 0120127E - 582458N 0120150E - 582115N 0115747E - 582250N 0114919E - 582446N 0114755E - 582749N 0115513E | 12500 ft / 3800 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC, LANDVETTER, TROLLHÄTTAN and SÄTENÄS ATS. |
| ES R45 MARMA | 603351N 0172642E - 603243N 0173254E - 603011N 0173049E - 602709N 0172519E - 603351N 0172642E | 14000 ft / 4250 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. |
| ES R46 THE ARCHIPELAGO OF LULEÅ | 653225N 0221943E - 652355N 0223243E - 651955N 0221943E - 652825N 0220643E - 653225N 0221943E | 6000 ft / 1850 m MSL ----- GND | Bombing and firing. Permission obtainable from STOCKHOLM ACC and 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) Bombing and firing runs outside the area. |
| 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 | 8000 ft / 2450 m MSL ----- GND | National Park. Flight in valleys is prohibited. Permission obtainable from National Environmental Protection, Mountain Unit in Jokkmokk. Permission not required for aircraft engaged in police, medical aid or rescue operations. |
| ES R49A SÄTENÄS | 583058N 0124050E - 583058N 0124550E - 582458N 0125450E - 582258N 0124810E - 582928N 0123920E - 583058N 0124050E | 7500 ft / 2300 m MSL ----- GND | Bombing and firing. Permission obtainable from MALMÖ ACC, LANDVETTER and SÄTENÄS 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) Bombing and firing runs outside the area. |
| ES R49B SÄTENÄS | 582928N 0123920E - 582258N 0124810E - 582158N 0124450E - 582758N 0123750E - 582928N 0123920E | 7500 ft / 2300 m MSL ----- GND | Bombing and firing. Permission obtainable from MALMÖ ACC, LANDVETTER and SÄTENÄS 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) Bombing and firing runs outside the area. |

| Restricted areas | | | |
|---------------------------|---|--|--|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R50 TÖNNERSJÖ | 564329N 0130650E - 564329N 0132250E - 563659N 0132150E - 563259N 0131550E - 563939N 0130050E - 564329N 0130650E | 11000 ft / 3350 m MSL ----- GND | Bombing and firing. Permission obtainable from MALMÖ ACC, Halmstad ATS and ÄNGELHOLM ATS. Bombing and firing runs outside the area. |
| ES R51A KALIXFORS | 674659N 0202044E - 674554N 0203044E - 674323N 0203652E - 674007N 0203743E - 674208N 0202510E - 674405N 0202018E - 674659N 0202044E | 14000 ft / 4250 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC and KIRUNA ATS. |
| ES R51B KALIXFORS | 674745N 0201710E - 674659N 0202044E - 674405N 0202018E - 674404N 0201427E - 674734N 0201514E - 674745N 0201710E | 14000 ft / 4250 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC and KIRUNA ATS. |
| ES R52 SOLLIDEN | 565259N 0163713E - 565153N 0163915E - 565124N 0163858E - 565049N 0163738E - 565129N 0163548E - 565234N 0163548E - 565259N 0163713E | 2500 ft / 750 m MSL ----- GND | Established 1 JUN-20 AUG. Permission obtainable from National Swedish Police Board and County Government of Kalmar. Permission to cross shall be obtained at least 14 days before intended flight. Flight plan shall be filed. The permission number shall be inserted under item 18 with the abbreviation RMK/ followed by the permission number. Permission not required for traffic having a standing permission. |
| 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 | 7500 ft / 2300 m MSL ----- GND | National Park. Flight in valleys is prohibited. Permission obtainable from National Environmental Protection, Mountain Unit in Jokkmokk. Permission not required for aircraft engaged in police, medical aid or rescue operations. |
| ES R55A KABUSA | 552629N 0135750E - 552629N 0135949E - 551659N 0140619E - 551659N 0135550E - 552124N 0134750E - 552629N 0135750E | 27000 ft / 8250 m MSL ----- GND | Firing and blasting. Permission obtainable from MALMÖ ACC. |
| ES R55B KABUSA | 552959N 0135250E - 552629N 0140849E - 551659N 0140619E - 552629N 0135949E - 552629N 0135750E - 552124N 0134750E - 552959N 0135250E | 3500 ft / 1050 m MSL ----- GND | Target towing. Permission obtainable from MALMÖ ACC. |
| ES R56 FALUN | 603857N 0153948E - 603857N 0154548E - 603627N 0154548E - 603627N 0153948E - 603857N 0153948E | 8000 ft / 2450 m MSL ----- GND | Firing and blasting. Target towing. Permission obtainable from STOCKHOLM ACC. |
| 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 | 7000 ft / 2150 m MSL ----- GND | National Park. Flight in valleys is prohibited. Permission obtainable from National Environmental Protection, Mountain Unit in Jokkmokk. Permission not required for aircraft engaged in police, medical aid or rescue operations. |
| ES R58A TÄME | 650325N 0214244E - 645455N 0214444E - 644835N 0212944E - 644911N 0211514E - 645925N 0211844E - 650325N 0214244E | 40500 ft / 12350 m MSL ----- GND | Firing and blasting. Target towing. Permission obtainable from STOCKHOLM ACC, KALLAX ATS and SKELLEFTEÅ ATS. |

| Restricted areas | | | |
|--------------------------|--|--|---|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R58B TÄME | 650255N 0212244E - 650115N 0212944E - 645925N 0211844E - 645355N 0211650E - 645655N 0210944E - 650156N 0211245E - 650255N 0212244E | 3500 ft / 1050 m MSL ----- GND | Target towing. Permission obtainable from STOCKHOLM ACC, KALLAX ATS and SKELLEFTEÅ ATS. |
| ES R59 BODEN-KUSTRÄSK | 655655N 0212944E - 655555N 0213544E - 655225N 0213544E - 655155N 0212444E - 655455N 0212044E - 655655N 0212944E | 15500 ft / 4700 m MSL ----- GND | Firing and blasting. Target towing. Permission obtainable from STOCKHOLM ACC and KALLAX ATS. Permission to cross must be obtained at least 10 min before estimated entry. Permission to cross below 1150 ft GND will be given exceptionally only. |
| ES R60 LYSEKIL | 582458N 0104221E - 582458N 0111151E - 581028N 0112221E - 575358N 0111851E - 575358N 0110251E - 581528N 0105051E - 582458N 0104221E | 40500 ft / 12350 m MSL ----- GND | Firing. Permission obtainable from MALMÖ ACC and LANDVETTER ATS. |
| ES R61 SÄNFJÄLLET | 622026N 0132849E - 622026N 0134019E - 621556N 0134149E - 621326N 0133549E - 621326N 0132519E - 621456N 0132419E - 622026N 0132849E | 5000 ft / 1500 m MSL ----- GND | National Park. Flight in valleys is prohibited. Permission obtainable from National Environmental Protection, Mountain Unit in Jokkmokk. Permission not required for aircraft engaged in police, medical aid or rescue operations. |
| ES R62 SISJÖN | 573905N 0115950E - 573658N 0120250E - 573458N 0115950E - 573628N 0115620E - 573905N 0115950E | 1800 ft / 550 m MSL ----- GND | Firing. Permission obtainable from LANDVETTER ATS. |
| ES R63A STURKÖ NORTH | 560659N 0152849E - 560659N 0153719E - 560349N 0154719E - 555659N 0154719E - 555359N 0153949E - 555959N 0153949E - 560229N 0153604E - 560416N 0152349E - 560659N 0152849E | 40500 ft / 12350 m MSL ----- GND | Firing. Permission obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES R63B STURKÖ SOUTH | 560416N 0152349E - 560229N 0153604E - 555959N 0153949E - 555359N 0153949E - 555429N 0153349E - 555759N 0152749E - 560416N 0152349E | 40500 ft / 12350 m MSL ----- GND | Firing. Permission obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES R63C STURKÖ | 561130N 0153030E - 561000N 0154830E - 560349N 0154719E - 560659N 0153719E - 560659N 0152849E - 561130N 0153030E | 3500 ft / 1050 m MSL ----- GND | Firing and target towing. Permission obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES R63D STURKÖ | 560854N 0153920E - 560854N 0153954E - 560830N 0153954E - 560830N 0153920E - 560854N 0153920E | 2200 ft / 650 m MSL ----- GND | Firing. Permission obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES R63E STURKÖ | 560000N 0153300E - 560000N 0153700E - 555758N 0153700E - 555758N 0153300E - 560000N 0153300E | 2200 ft / 650 m MSL ----- GND | Firing. Permission obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES R64M TORHAMN | 560759N 0161648E - 555659N 0160648E - 560439N 0155039E - 560459N 0154949E - 560759N 0161648E | 21000 ft / 6400 m MSL ----- GND | Firing. Permission obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES R64S TORHAMN | 561459N 0160248E - 560959N 0162948E - 560459N 0162948E - 554959N 0154719E - 560349N 0154719E - 561459N 0160248E | 40500 ft / 12350 m MSL ----- GND | Firing. Permission obtainable from MALMÖ ACC and RONNEBY ATS. |

| Restricted areas | | | |
|-------------------------|--|--|---|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R66 TROSA | 585458N 0174117E - 585158N 0175217E - 583804N 0175259E - 584358N 0173547E - 584728N 0173347E - 585158N 0173447E - 585458N 0174117E | 7000 ft / 2150 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |
| ES R67 VECKHOLM | 593106N 0172402E - 593048N 0172951E - 592916N 0172931E - 592741N 0172750E - 592950N 0172342E - 593106N 0172402E | 2000 ft / 600 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. |
| ES R68 GRINDSJÖ | 590528N 0174947E - 590528N 0175257E - 590258N 0175047E - 590428N 0174747E - 590528N 0174947E | 2000 ft / 600 m MSL ----- GND | Firing and blasting. Permission obtainable from STOCKHOLM ACC. Established MON-FRI 0800-1500 (0700-1400) |
| ES R70A HÄRNÖN | 624656N 0181146E - 624656N 0183946E - 623836N 0183946E - 622656N 0182046E - 622656N 0175647E - 623356N 0175847E - 624656N 0181146E | 27500 ft / 8400 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |
| ES R70B PRÄSTHUS | 624556N 0180746E - 624556N 0181051E - 623956N 0180447E - 623956N 0180032E - 624126N 0180047E - 624556N 0180746E | 4500 ft / 1350 m MSL ----- GND | Target towing. Permission obtainable from STOCKHOLM ACC. |
| ES R70C VANGSTA | 623956N 0180032E - 623956N 0180946E - 623556N 0180547E - 623556N 0175947E - 623956N 0180032E | 16500 ft / 5050 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |
| ES R70D SKÄRSVIKEN | 623556N 0175747E - 623556N 0180047E - 623356N 0175847E - 623156N 0175807E - 623356N 0175247E - 623556N 0175747E | 4500 ft / 1350 m MSL ----- GND | Target towing. Permission obtainable from STOCKHOLM ACC. |
| ES R71A NÄTTARÖ | 585458N 0180724E - 584341N 0181404E - 583459N 0175457E - 583804N 0175259E - 585158N 0175217E - 585218N 0175747E - 585458N 0180724E | 40500 ft / 12350 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |
| ES R71B NÄTTARÖ | 585458N 0180724E - 584858N 0182548E - 584540N 0181827E - 584341N 0181404E - 585458N 0180724E | 40500 ft / 12350 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |
| ES R71C NÄTTARÖ | 590058N 0182917E - 585358N 0183047E - 584858N 0182548E - 585458N 0180724E - 590058N 0182917E | 40500 ft / 12350 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |
| ES R71D NÄTTARÖ | 584540N 0181827E - 584023N 0183024E - 583243N 0181147E - 582943N 0175817E - 583459N 0175457E - 584341N 0181404E - 584540N 0181827E | 40500 ft / 12350 m MSL ----- GND | Firing. 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 / 12350 m MSL ----- GND | Firing. 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 / 4700 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC and ARVIDSJAUR ATS. Permission to cross must be obtained at least 5 min before estimated entry. Permission to cross below 1150 ft GND will be given exceptionally only. |

| Restricted areas | | | |
|-------------------------|---|---------------------------------------|---|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R75 SKÖVDE | 581928N 0135149E - 581858N 0135549E - 581528N 0135449E - 581558N 0134949E - 581928N 0135149E | 9500 ft / 2900 m MSL ----- GND | Firing. Permission obtainable from MALMÖ ACC and SKÖVDE AFIS. |
| ES R76 LOMBEN | 661455N 0230842E - 660955N 0231242E - 660655N 0231142E - 660955N 0225543E - 661355N 0225643E - 661455N 0230842E | 14500 ft / 4400 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |
| ES R77 SKOGSTIBBLE | 594927N 0171747E - 594658N 0171847E - 594658N 0171347E - 594857N 0171347E - 594927N 0171747E | 3500 ft / 1050 m MSL ----- GND | Firing. 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 / 2450 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC and 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| 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. Photographing and similar recordings from aircraft prohibited unless permission obtained from the Swedish Armed Forces. |
| ES R96A BERGA | 590513N 0180645E - 590422N 0180708E - 590414N 0180640E - 590406N 0180635E - 590347N 0180524E - 590427N 0180412E - 590513N 0180645E | 2200 ft / 650 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |

| Restricted areas | | | |
|---------------------------------|---|--|---|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES R96B BERGA | 590536N 0180806E - 590450N 0180852E - 590422N 0180708E - 590513N 0180645E - 590536N 0180806E | 2200 ft / 650 m MSL ----- GND | Firing. Permission obtainable from STOCKHOLM ACC. |
| ES R97 KUMLA | A circle with radius 2000 m centred on 590715N 0150718E | 2000 ft / 600 m MSL ----- GND | Prison. Special permission by Swedish Civil Aviation Authority 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 / 600 m MSL ----- GND | Prison. Special permission by Swedish Civil Aviation Authority 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 / 600 m MSL ----- GND | Prison. Special permission by Swedish Civil Aviation Authority 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 / 600 m MSL ----- GND | Prison. Special permission by Swedish Civil Aviation Authority 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 / 600 m MSL ----- GND | Prison. Special permission by Swedish Civil Aviation Authority is required, except for operators specified in ENR 5.1 para 2.2.2. |
| ES R200 TORSBY | 604400N 0125300E - 603400N 0142700E - 600900N 0141700E - 601500N 0124300E - 604400N 0125300E | FL 195 / 5950 m STD ----- 5000 ft / 1500 m MSL | Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC 118.200 MHz. 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 / 5950 m STD ----- 5000 ft / 1500 m MSL | Soaring in clouds. Permission to cross shall be obtained from MALMÖ ACC 128.625 MHz. Provisions: See ENR 5.1 para 2.3. |
| ES R206 ÄLVSBYN | A circle with radius 5.4 NM (10 km) centred on 654020N 0205200E | FL 195 / 5950 m STD ----- 5000 ft / 1500 m MSL | Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC 131.050 MHz. 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 / 5950 m STD ----- 5000 ft / 1500 m MSL | Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC 131.125 MHz. Provisions: See ENR 5.1 para 2.3. |
| ES R209A BORLÄNGE | 610000N 0154800E - 610000N 0165000E - 603317N 0165000E - 605059N 0153802E - 610000N 0154800E | FL 195 / 5950 m STD ----- 5000 ft / 1500 m MSL | Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC 118.200 MHz. 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 R209B BORLÄNGE | 605059N 0153802E - 603317N 0165000E - 601200N 0165000E - 604100N 0152700E - 605059N 0153802E | FL 195 / 5950 m STD ----- 5000 ft / 1500 m MSL | Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC 118.200 MHz. Provisions: See ENR 5.1 para 2.3. |
| ES R211 SOLLEFTEÅ | 632637N 0165407E - 631004N 0171558E - 630055N 0163944E - 630633N 0162118E - 632420N 0163234E - 632637N 0165407E | FL 195 / 5950 m STD ----- 5000 ft / 1500 m MSL | Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC 132.150 MHz. 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 förvisst 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) inom visst farligt område kan inhämtas från den enhet enligt kolumn 3 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 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) within a certain danger area can be obtained from that unit specified in column 3 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 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 sprängsplitter.

3.5 Tillfälliga farliga områden

3.5.1 Tillfälligt upprättade farliga områden publiceras i första hand genom NOTAM, i många fall kompletterat med Navigationsvarning.

3.6 Förteckning över farliga områden / List of danger areas

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 primarily promulgated by NOTAM, in several cases supplemented by Navigationsvarning (issued in Swedish only).

| 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 / 6100 m MSL ----- GND | Firing. Information about activity obtainable from MALMÖ ACC. During firing the areas will be surveilled by radar and routes or levels that are not affected by the firing may be assigned by MALMÖ ACC. |
| ES D139 BORNHOLM EAST | 551959N 0154949E - 545500N 0154949E - 545500N 0151449E - 550300N 0151449E - 551959N 0154949E | 50000 ft / 15250 m MSL ----- GND | Firing. Information about activity obtainable from MALMÖ ACC. During firing the areas will be surveilled by radar and routes or levels that are not affected by the firing may be assigned by MALMÖ ACC. |
| ES D140 BORNHOLM WEST | 550459N 0133950E - 550430N 0140033E - 545500N 0140616E - 545500N 0133950E - 550459N 0133950E | 50000 ft / 15250 m MSL ----- GND | Firing. Information about activity obtainable from MALMÖ ACC. During firing the areas will be surveilled by radar and routes or levels that are not affected by the firing may be assigned by MALMÖ ACC. |
| ES D155 AITIK | 670541N 0205825E - 670315N 0205943E - 670254N 0205539E - 670521N 0205405E - 670541N 0205825E | 4000 ft / 1200 m MSL ----- GND | Blasting/Surface quarry. Information about activity obtainable from Boliden Mineral, TEL +46 (0)910 77 40 71. |
| ES D156 MAURLIDEN | A circle with radius 1000 m centred on 650338N 0193105E | 4000 ft / 1200 m 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 / 12350 m MSL ----- GND | Firing. Information about activity obtainable from MALMÖ ACC and LANDVETTER ATS. |
| ES D163 KÄNSÖ | 573858N 0112851E - 573858N 0114350E - 573458N 0114650E - 572758N 0114151E - 572858N 0112851E - 573858N 0112851E | 2500 ft / 750 m MSL ----- GND | Firing and blasting. Information about activity obtainable from LANDVETTER ATS. |

| Danger areas | | | |
|----------------------------|---|--|--|
| Identification Name | Lateral limits | Vertical limits | Remarks (nature of hazard, permission unit, time of activity) |
| ES D164 HANÖ NORTH | 560659N 0150449E - 560416N 0152349E - 555759N 0152749E - 555430N 0153349E - 555810N 0144850E - 560629N 0145819E - 560659N 0150449E | 40500 ft / 12350 m MSL ----- GND | Firing. Information about activity obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES D165 HANÖ WEST | 555810N 0144850E - 555629N 0150949E - 553959N 0150949E - 553959N 0143949E - 554959N 0143949E - 555810N 0144850E | 40500 ft / 12350 m MSL ----- GND | Firing. Information about activity obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES D166 HANÖ EAST | 555629N 0150949E - 555359N 0153949E - 553959N 0153949E - 553959N 0150949E - 555629N 0150949E | 40500 ft / 12350 m MSL ----- GND | Firing. Information about activity obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES D171 HÄRNÖN EAST | 623836N 0183946E - 622656N 0183946E - 622656N 0182046E - 623836N 0183946E | 40500 ft / 12350 m 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 / 12350 m MSL ----- GND | Firing. Information about activity obtainable from STOCKHOLM ACC. |
| ES D175S KOPPARSTENARNA | 584023N 0183024E - 583304N 0184849E - 581813N 0180542E - 582943N 0175817E - 583243N 0181147E - 584023N 0183024E | 40500 ft / 12350 m MSL ----- GND | Firing. Information about activity obtainable from STOCKHOLM ACC. |
| ES D177 KÅGE | A circle with radius 2000 m centred on 645525N 0203544E | 4000 ft / 1250 m MSL ----- GND | Blasting/surface quarry. Information about activity obtainable from Terra Mining AB, TEL +46 (0)910 920 95. |
| ES D178 SALA | A circle with radius 500 m centred on 595430N 0163359E | 4500 ft / 1350 m MSL ----- GND | Blasting/Surface quarry. Information about activity obtainable from Stråbruken AB, TEL +46 (0)8 92 00 30. |

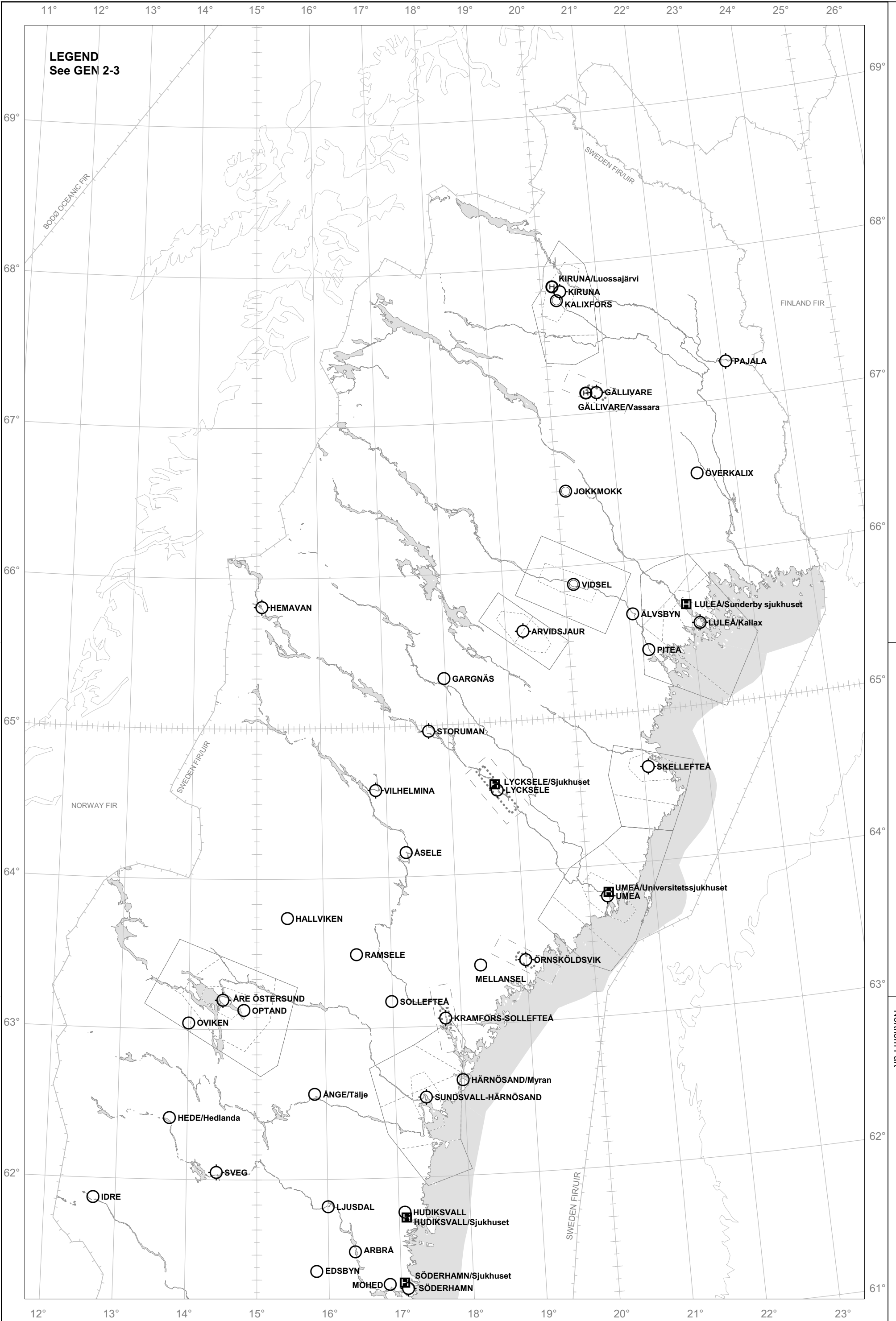
1.3 Flygplatsöversikt / Index to aerodromes

| Aerodrome Location indicator | | Type of traffic permitted to use the aerodrome | | | Reference to AD Section and remarks |
|---------------------------------|------|--|---------|--|---|
| | | INTL-NTL | IFR-VFR | S = Scheduled NS = Non-scheduled P = Private | |
| 1 | | 2 | 3 | 4 | 5 |
| ALINGSÅS | ESGI | NTL | VFR | P | AD 4 |
| ANDERSTORP | ESMP | NTL | VFR | P | AD 4 |
| ARBOGA | ESQO | NTL | VFR | P | AD 4 |
| ARBRÅ | ESUB | NTL | VFR | P | AD 4 |
| ARVIDSJAUR | ESNX | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| ARVIKA | ESKV | NTL | IFR-VFR | NS, P | AD 2 |
| AVESTA | ESVA | NTL | VFR | P | AD 4 |
| BORGLANDA | ESMB | NTL | VFR | P | AD 4 |
| BORLÄNGE | ESSD | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| BORÅS/Borås sjukhus | ESEB | | | | AD 3 |
| BORÅS/Viared | ESGE | NTL | VFR | P | AD 4 |
| BRATTFORSHEDEN | ESSM | NTL | VFR | P | AD 4 |
| BUNGE | ESVB | NTL | VFR | P | AD 4 |
| DALA-JÄRNA | ESKD | NTL | VFR | P | AD 4 |
| EDSBYEN | ESUY | NTL | VFR | P | AD 4 |
| EKSHÄRAD | ESKH | NTL | VFR | P | AD 4 |
| EKSJÖ/Ränneslätt | ESMC | NTL | VFR | P | AD 4 |
| EMMABODA | ESMA | NTL | VFR | P | AD 4 |
| ESKILSTUNA | ESSU | NTL | IFR-VFR | NS, P | AD 2 |
| ESKILSTUNA/Ekeby | ESSC | NTL | VFR | P | AD 4 |
| ESLÖV | ESME | NTL | VFR | P | AD 4 |
| FAGERHULT | ESMF | NTL | VFR | P | AD 4 |
| FALKENBERG/Morup | ESGF | NTL | VFR | P | AD 4 |
| FALKÖPING | ESGK | NTL | IFR-VFR | NS, P | AD 2 |
| FJÄLLBACKA | ESTF | NTL | VFR | P | AD 4 |
| GAGNEF | ESVG | NTL | VFR | P | AD 4 |
| GARGNÅS | ESUG | NTL | VFR | P | AD 4 |
| GRYTTJOM | ESKG | NTL | VFR | P | AD 4 |
| GRÖNHÖGEN | ESTG | NTL | VFR | P | AD 4 |
| GÄLLIVARE | ESNG | NTL | IFR-VFR | S, NS, P | AD 2 |
| GÄLLIVARE/Vassara | ESEG | NTL | VFR | NS, P | AD 3 |
| GÄVLE | ESSK | NTL | IFR-VFR | S, NS, P | AD 2 |
| GÖTEBORG/Landvetter | ESGG | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| GÖTEBORG/Sahlgrenska sjukhuset | ESHS | | | | AD 3 |

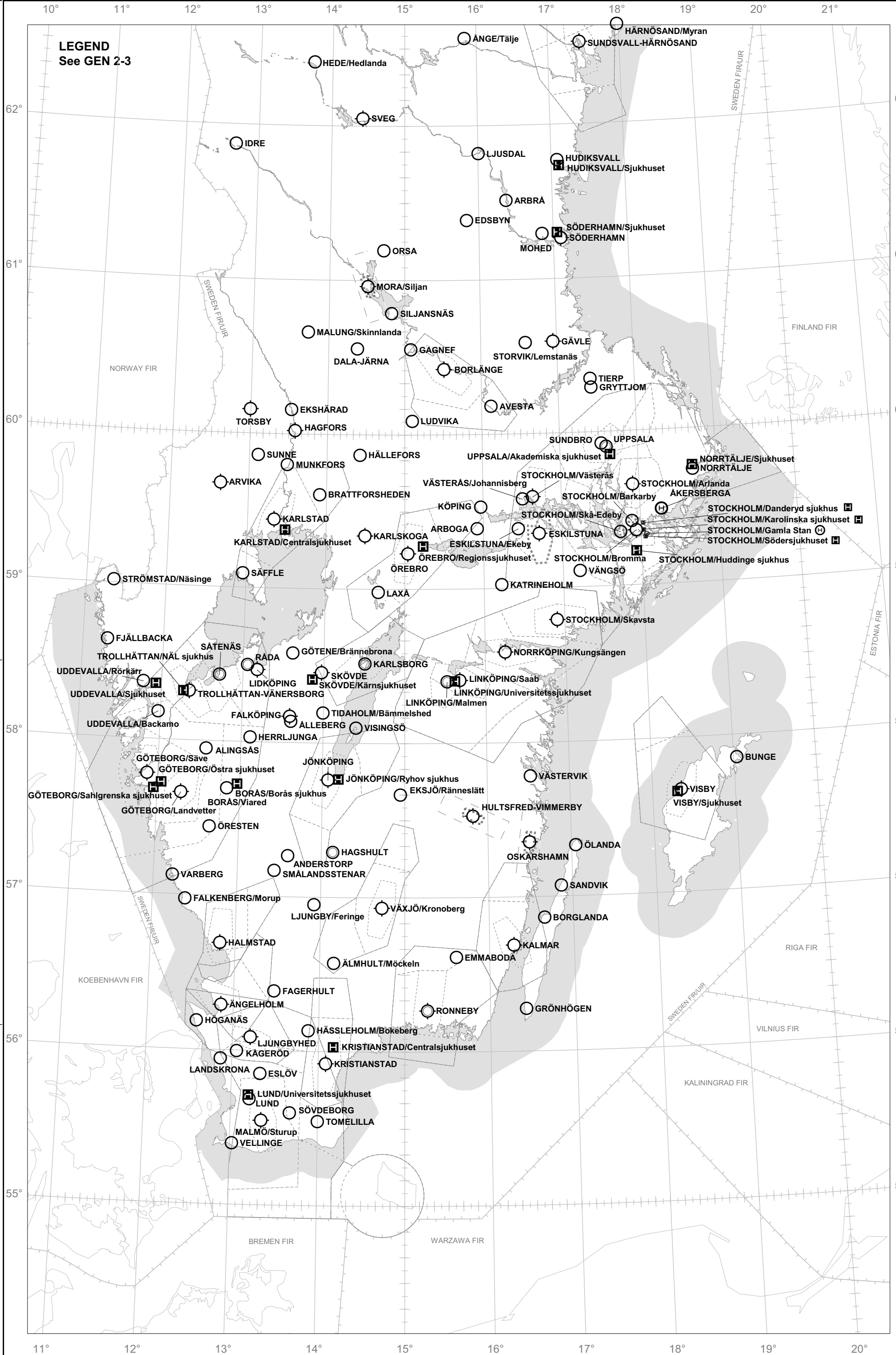
| Aerodrome Location indicator | | Type of traffic permitted to use the aerodrome | | | Reference to AD Section and remarks |
|---------------------------------|------|--|---------|--|---|
| | | INTL-NTL | IFR-VFR | S = Scheduled NS = Non-scheduled P = Private | |
| 1 | | 2 | 3 | 4 | 5 |
| GÖTEBORG/Säve | ESGP | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| GÖTEBORG/Östra sjukhuset | ESHB | | | | AD 3 |
| GÖTENE/Brännebrona | ESGN | NTL | VFR | P | AD 4 |
| HAGFORS | ESOH | NTL | IFR-VFR | S, NS, P | AD 2 |
| HAGSHULT | ESMV | | | | AD 4 |
| HALLVIKEN | ESNA | NTL | VFR | P | AD 4 |
| HALMSTAD | ESMT | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| HEDE/Hedlanda | ESNC | NTL | VFR | P | AD 4 |
| HEMAVAN | ESUT | NTL | IFR-VFR | NS, P | AD 2 |
| HERRLJUNGA | ESGH | NTL | VFR | P | AD 4 |
| HUDIKSVALL | ESNH | NTL | VFR | P | AD 4 |
| HUDIKSVALL/Sjukhuset | ESHX | | | | AD 3 |
| HULTSFRED-VIMMERBY | ESSF | NTL | IFR-VFR | S, NS, P | AD 2 |
| HÄLLEFORS | ESVH | NTL | VFR | P | AD 4 |
| HÄRNÖSAND/Myran | ESUH | NTL | VFR | P | AD 4 |
| HÄSLEHOLM/Bokeberg | ESFA | NTL | VFR | P | AD 4 |
| HÖGANÄS | ESMH | NTL | VFR | P | AD 4 |
| IDRE | ESUE | NTL | VFR | P | AD 4 |
| JOKKMOKK | ESNJ | NTL | IFR-VFR | NS, P | AD 2 |
| JÖNKÖPING | ESGJ | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| JÖNKÖPING/Ryhov sjukhus | ESHJ | | | | AD 3 |
| KALIXFORS | ESUK | | | | AD 4 |
| KALMAR | ESMQ | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| KARLSBORG | ESIA | NTL | VFR | NS, P | AD 2 |
| KARLSKOGA | ESKK | NTL | IFR-VFR | NS, P | AD 2 |
| KARLSTAD | ESOK | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| KARLSTAD/Centralsjukhuset | ESHV | | | | AD 3 |
| KATRINEHOLM | ESVK | NTL | VFR | P | AD 4 |
| KIRUNA | ESNQ | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| KIRUNA/Luossajärvi | ESEK | NTL | VFR | NS, P | AD 3 |
| KRAMFORS-SOLLEFTEÅ | ESNK | NTL | IFR-VFR | S, NS, P | AD 2 |
| KRISTIANSTAD | ESMK | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| KRISTIANSTAD/Centralsjukhuset | ESHI | | | | AD 3 |
| KÅGERÖD | ESMJ | NTL | VFR | P | AD 4 |
| KÖPING | ESVQ | NTL | VFR | P | AD 4 |
| LANDSKRONA | ESML | NTL | VFR | P | AD 4 |

| Aerodrome Location indicator | | Type of traffic permitted to use the aerodrome | | | Reference to AD Section and remarks |
|---------------------------------|------|--|---------|--|---|
| | | INTL-NTL | IFR-VFR | S = Scheduled NS = Non-scheduled P = Private | |
| 1 | | 2 | 3 | 4 | 5 |
| UMEÅ | ESNU | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| UMEÅ/Universitetssjukhuset | ESHZ | | | | AD 3 |
| UPPSALA | ESCM | NTL | VFR | NS, P | AD 2 |
| UPPSALA/Akademiska sjukhuset | ESHU | | | | AD 3 |
| VARBERG | ESGV | NTL | VFR | P | AD 4 |
| VELLINGE | ESTT | NTL | VFR | P | AD 4 |
| VIDSEL | ESPE | NTL | VFR | NS, P | AD 2 |
| VILHELMINA | ESNV | NTL | IFR-VFR | S, NS, P | AD 2 |
| VISBY | ESSV | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| VISBY/Sjukhuset | ESEV | | | | AD 3 |
| VISINGSÖ | ESSI | NTL | VFR | P | AD 4 |
| VÄNGSÖ | ESSZ | NTL | VFR | P | AD 4 |
| VÄSTERVIK | ESSW | NTL | VFR | P | AD 4 |
| VÄSTERÅS/Johannisberg | ESSX | NTL | VFR | P | AD 4 |
| VÄXJÖ/Kronoberg | ESMX | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| ÅKERSBERGA | ESHR | | | | AD 3 |
| ÄLLEBERG | ESGC | NTL | VFR | P | AD 4 |
| ÄNGE/Tälje | ESUJ | NTL | VFR | P | AD 4 |
| ÄRE ÖSTERSUND | ESNZ | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| ÄSELE | ESUS | NTL | VFR | P | AD 4 |
| ÄLMHULT/Möckeln | ESMU | NTL | VFR | P | AD 4 |
| ÄLVSBY | ESUV | NTL | VFR | P | AD 4 |
| ÄNGELHOLM | ESTA | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| ÖLANDA | ESMZ | NTL | VFR | P | AD 4 |
| ÖREBRO | ESOE | INTL-NTL | IFR-VFR | S, NS, P | AD 2 |
| ÖREBRO/Regionssjukhuset | ESHQ | | | | AD 3 |
| ÖRESTEN | ESGM | NTL | VFR | P | AD 4 |
| ÖRNSKÖLDSVIK | ESNO | NTL | IFR-VFR | S, NS, P | AD 2 |
| ÖVERKALIX | ESNE | NTL | VFR | P | AD 4 |

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LEGEND
See GEN 2-3



AD 2. AERODROMES**ESNG AD 2.1 AERODROME LOCATION INDICATOR AND NAME****ESNG – GÄLLIVARE****ESNG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

| | | |
|-------|--|---|
| 2.2.1 | ARP coordinates and site at AD | 670759N 0204844E RWY 730 m from THR 12 |
| 2.2.2 | Direction and distance from (city) | E 3.8 NM from Gällivare |
| 2.2.3 | Elevation/Reference temperature | 312.9 m 1027 ft/+18.5°C |
| 2.2.4 | Geoid undulation | 28.5 m/94 ft |
| 2.2.5 | MAG VAR/Annual change | 6.5° E 2005/+0.1 increasing |
| 2.2.6 | AD Administration, address, telephone, telefax, telex, AFS | Gällivare kommun Gällivare flygplats SE-982 81 Gällivare TEL: +46 (0)970 780 00 Fax: +46 (0)970 780 09 Telex: – AFS: ESNG |
| 2.2.7 | Types of traffic permitted (IFR/VFR) | IFR/VFR. Max RWY ref code 4C |
| 2.2.8 | Remarks | PPR outside AFIS HOP |

ESNG AD 2.3 OPERATIONAL HOURS

| | | |
|--------|----------------------------|--------------------------------|
| 2.3.1 | AD Administration | Ref AIP SUP/NOTAM |
| 2.3.2 | Customs and immigration | Not available |
| 2.3.3 | Health and sanitation | Not available |
| 2.3.4 | AIS Briefing Office | FPC H24 TEL +46 (0)8 797 63 40 |
| 2.3.5 | ATS Reporting Office (ARO) | Ref AIP SUP/NOTAM |
| 2.3.6 | MET Briefing Office | As 2.3.4 above |
| 2.3.7 | ATS | Ref AIP SUP/NOTAM |
| 2.3.8 | Fuelling | Ref AIP SUP/NOTAM |
| 2.3.9 | Handling | As 2.3.7 above |
| 2.3.10 | Security | Ref AIP SUP/NOTAM |
| 2.3.11 | De-icing | As 2.3.7 above |
| 2.3.12 | Remarks | – |

ESNG AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|-------|-------------------------------------|--|
| 2.4.1 | Cargo-handling facilities | Limited |
| 2.4.2 | Fuel/oil types | Jet A1, 100LL/20W50 |
| 2.4.3 | Fuelling facilities/capacity | Jet A1 100,000 l, 100LL 11,000 l, hydrant fuelling |
| 2.4.4 | De-icing facilities | Type I and II, mobile unit |
| 2.4.5 | Hangar space for visiting acft | Not available |
| 2.4.6 | Repair facilities for visiting acft | Not available |
| 2.4.7 | Remarks | Fuel supplier: AirBP |

ESNG AD 2.5 PASSENGER FACILITIES

| | | |
|-------|----------------------|---------------------------|
| 2.5.1 | Hotels | In Gällivare |
| 2.5.2 | Restaurants | In Gällivare |
| 2.5.3 | Transportation | Buses, taxis, rental cars |
| 2.5.4 | Medical facilities | In Gällivare |
| 2.5.5 | Bank and Post Office | In Gällivare |
| 2.5.6 | Tourist Office | In Gällivare |
| 2.5.7 | Remarks | - |

ESNG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|-------|---|-------------------------------|
| 2.6.1 | AD category for fire fighting | Cat 5 for SKED TFC, other O/R |
| 2.6.2 | Rescue equipment | Tracked vehicle, snowscooter |
| 2.6.3 | Capability for removal of disabled aircraft | By arrangement |
| 2.6.4 | Remarks | Up to Cat 7 O/R |

ESNG AD 2.7 SEASONAL AVAILABILITY – CLEARING

| | | |
|-------|-----------------------------|---|
| 2.7.1 | Types of clearing equipment | Snowploughs, sweepers, blowers, spreaders, slingers |
| 2.7.2 | Clearance priorities | RWY, TWY, Apron |
| 2.7.3 | Remarks | - |

ESNG AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|-------|-------------------------------------|--|
| 2.8.1 | Apron surface and strength | ASPH PCN 22 F/B/XT |
| 2.8.2 | Taxiway width, surface and strength | TWY A 15 m, TWY B 18 m, PCN 22 F/B/X/T |
| 2.8.3 | ACL location and elevation | Apron 1002 ft ft/305.4 m |
| 2.8.4 | VOR/INS checkpoints | Not available |
| 2.8.5 | Remarks | - |

AD 2. AERODROMES**ESMT AD 2.1 AERODROME LOCATION INDICATOR AND NAME****ESMT – HALMSTAD****ESMT AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

| | | |
|-------|--|--|
| 2.2.1 | ARP coordinates and site at AD | 564127N 0124912E RWY centre point |
| 2.2.2 | Direction and distance from (city) | NW 1 NM from Halmstad |
| 2.2.3 | Elevation/Reference temperature | 30.8 m 101 ft/+18.5°C |
| 2.2.4 | Geoid undulation | 36.8 m/121 ft |
| 2.2.5 | MAG VAR/Annual change | 2.0° E 2005/+0.1 increasing |
| 2.2.6 | AD Administration, address, telephone, telefax, telex, AFS | Halmstad Kommun Halmstad flygplats SE–305 91 Halmstad TEL: +46 (0)35 18 26 00 Fax: +46 (0)35 18 26 09 Telex: – AFS: ESMT |
| 2.2.7 | Types of traffic permitted (IFR/VFR) | IFR/VFR. Max RWY ref code 3C |
| 2.2.8 | Remarks | PPR outside TWR hours. PPR compulsory to IFR school and training flights at all times. |

ESMT AD 2.3 OPERATIONAL HOURS

| | | |
|--------|----------------------------|--------------------------------------|
| 2.3.1 | AD Administration | MON–FRI 0600–1500 (0500–1400) |
| 2.3.2 | Customs and immigration | MON–FRI 0600–1500 (0500–1400) |
| 2.3.3 | Health and sanitation | Not available |
| 2.3.4 | AIS Briefing Office | FPC H24 TEL +46 (0)8 797 63 40 |
| 2.3.5 | ATS Reporting Office (ARO) | Ref AIP SUP/NOTAM |
| 2.3.6 | MET Briefing Office | As 2.3.4 above |
| 2.3.7 | ATS | Ref AIP SUP/NOTAM |
| 2.3.8 | Fuelling | Ref AIP SUP/NOTAM |
| 2.3.9 | Handling | O/R |
| 2.3.10 | Security | O/R |
| 2.3.11 | De-icing | O/R |
| 2.3.12 | Remarks | Increased charges. Ref AIP SUP/NOTAM |

ESMT AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|-------|-------------------------------------|---------------------------------------|
| 2.4.1 | Cargo-handling facilities | O/R |
| 2.4.2 | Fuel/oil types | Jet A1, 100LL/20W50 |
| 2.4.3 | Fuelling facilities/capacity | Jet A1 175,000 l, 100LL 20,000 l |
| 2.4.4 | De-icing facilities | Available, Type I and II, mobile unit |
| 2.4.5 | Hangar space for visiting acft | Not available |
| 2.4.6 | Repair facilities for visiting acft | Not available |
| 2.4.7 | Remarks | Fuel supplier AirBP |

ESMT AD 2.5 PASSENGER FACILITIES

| | | |
|-------|----------------------|--------------------|
| 2.5.1 | Hotels | In Halmstad |
| 2.5.2 | Restaurants | At AD |
| 2.5.3 | Transportation | Taxis, rental cars |
| 2.5.4 | Medical facilities | In Halmstad |
| 2.5.5 | Bank and Post Office | In Halmstad |
| 2.5.6 | Tourist Office | In Halmstad |
| 2.5.7 | Remarks | – |

ESMT AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|-------|---|------------------|
| 2.6.1 | AD category for fire fighting | Cat 6 higher O/R |
| 2.6.2 | Rescue equipment | By arrangement |
| 2.6.3 | Capability for removal of disabled aircraft | By arrangement |
| 2.6.4 | Remarks | – |

ESMT AD 2.7 SEASONAL AVAILABILITY – CLEARING

| | | |
|-------|-----------------------------|--|
| 2.7.1 | Types of clearing equipment | Snowploughs, blowers, sweepers, slinger, spreaders |
| 2.7.2 | Clearance priorities | RWY, TWY, Apron |
| 2.7.3 | Remarks | – |

ESMT AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|-------|-------------------------------------|---|
| 2.8.1 | Apron surface and strength | Apron C ASPH PCN 45 F/C/X/T Apron E CONC PCN 45 F/C/X/T |
| 2.8.2 | Taxiway width, surface and strength | TWY C 23 m ASPH PCN 45 F/C/X/T TWY A and B 10 m CONC MIL TWY TWY D 15 m CONC PCN 25 F/C/X/T |
| 2.8.3 | ACL location and elevation | Apron C 63 ft/19.2 m |
| 2.8.4 | VOR/INS checkpoints | Not established |
| 2.8.5 | Remarks | – |

ESGJ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | |
|--------|--|--|
| 2.15.1 | ABN/IBN location, characteristics and hours of operation | Not available |
| 2.15.2 | LDI location and LGT Anemometer location and LGT | Windsock NE THR 11 270 m past THR 19 right side, lighted 390 m past THR 01 right side, lighted |
| 2.15.3 | TWY edge and centre line lighting | Edge lights |
| 2.15.4 | Secondary power supply/switch-over time | Available/1 sec |
| 2.15.5 | Remarks | - |

ESGJ AD 2.16 HELICOPTER LANDING AREA

RWY 01/19 to be used

ESGJ AD 2.17 ATS AIRSPACE

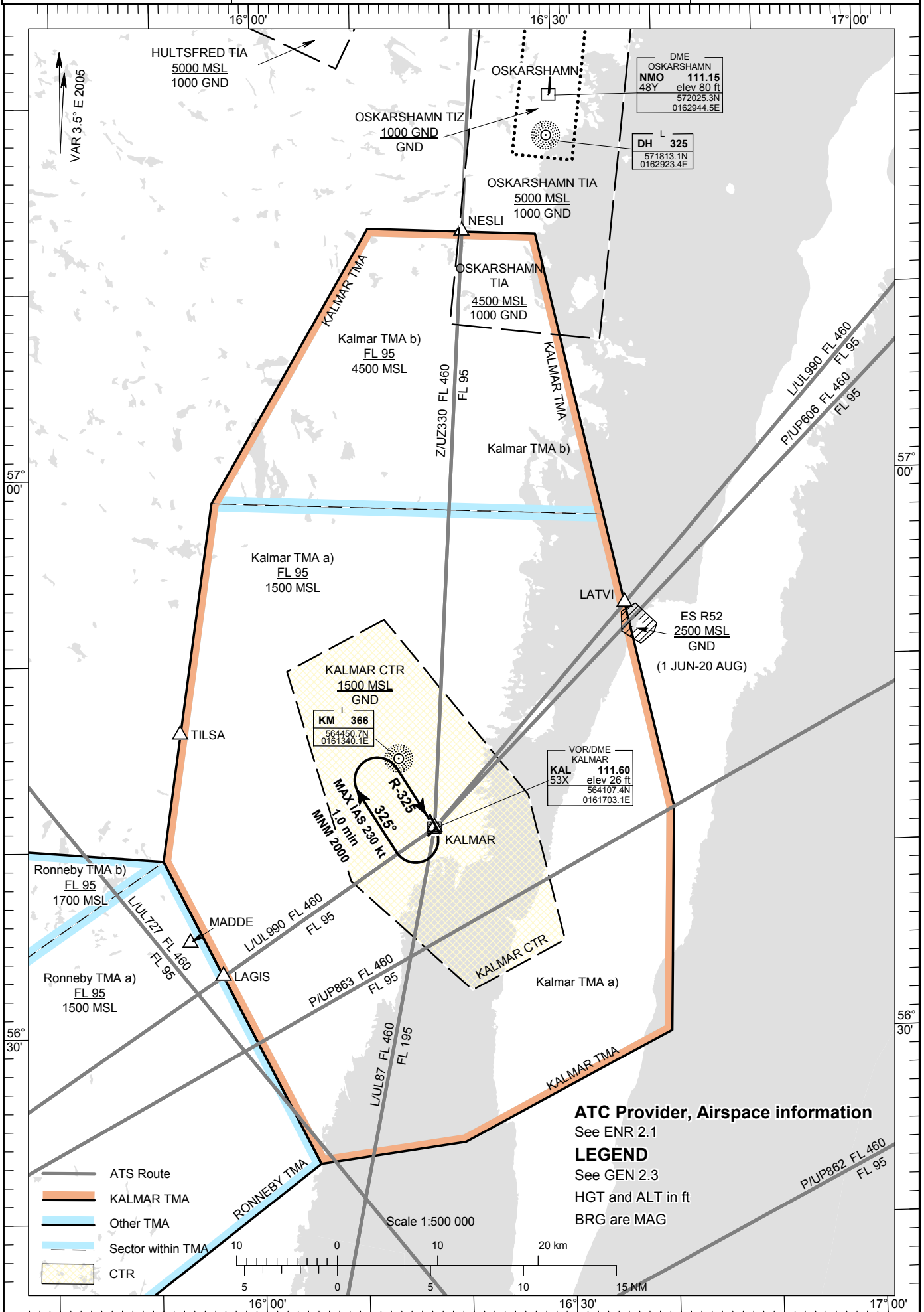
| | | |
|--------|-----------------------------------|---|
| 2.17.1 | Designation and lateral limits | Jönköping CTR 575647N 0140456E-575459N 0141548E-575107N 0141718E- 574025N 0141020E-573434N 0140322E-573621N 0135304E- 574156N 0135209E-575146N 0135801E-575647N 0140456E |
| 2.17.2 | Vertical limits | <u>2200 ft/670 m MSL</u> GND |
| 2.17.3 | Airspace classification | C |
| 2.17.4 | ATS unit call sign Language(s) | JÖNKÖPING TOWER Swedish/English |
| 2.17.5 | Transition altitude | 5000 ft/1500 m |
| 2.17.6 | Remarks | - |

ESGJ AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign | Frequency | Hours of operation | Remarks |
|---------------------|-----------------|----------------------------|--------------------|--------------------|
| 1 | 2 | 3 | 4 | 5 |
| TWR | JÖNKÖPING TOWER | 118.250 MHz 121.500 MHz | HO | Primary freq, VDF. |

ESGJ AD 2.19 RADIO NAVIGATION AND LANDING AIDS

| Type of aid CAT of ILS/MLS (For VOR/ILS/ MLS give VAR) | ID | Frequency | Hours of operation | Site of transmitting antenna coordinates | Elevation of DME transmitting antenna | Remarks |
|---|-----|------------|-----------------------|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LLZ 19 ILS CAT I (2.0° E 2000) | SJ | 109.90 MHz | H24 | 574442.7N 0140340.2E | | 350 m beyond THR 01 |
| GP | | 333.80 MHz | | 574552.6N 0140414.8E | | Angle 3.0° RDH 51 ft/15.5 m 344 m past THR 19 right side |
| OM | | | | 574937.4N 0140644.2E | | 017° MAG 7038 m from THR 19 |
| MM | | | | 574634.1N (*) 140448.2E | | 016° MAG 1070 m from THR 19 |
| L 19 | OA | 338 kHz | H24 | 574937.4N 0140644.2E | | 017° MAG 7038 m from THR 19 Range 50 km/25 NM |
| L 01 | OJ | 403 kHz | H24 | 574147.0N 0140152.1E | | 196° MAG 6057 m from THR 01 Range 50 km/25 NM |
| DVOR/DME (2.0° E 2000) | JON | 115.80 MHz | H24 | 574537.4N 0140355.5E | 774 ft/235.9 m | DME channel 105X |



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ESIA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|---------|--|--|
| 2.11.1 | Associated MET Office | STOCKHOLM/Arlanda |
| 2.11.2 | Hours of service MET Office outside hours | H24 |
| 2.11.3 | Office responsible for TAF preparation Periods of validity | Not produced |
| 2.11.4 | Type of landing forecast Interval of issuance | Not issued |
| 2.11.5 | Briefing/consultation provided | FPC TEL +46 (0)8 797 63 40. Consultation O/R |
| 2.11.6 | Flight documentation Language(s) used | TAF, METAR, SIGMET, Upper air winds Swedish/English |
| 2.11.7 | Charts and other information available for briefing or consultation | SWC, WAFS Chart, Nordic SIGWX Chart, low level forecasts (plain language) |
| 2.11.8 | Supplementary equipment available for providing information | – |
| 2.11.9 | ATS units provided with information | Karlsborg TWR |
| 2.11.10 | Additional information (limitation of service, etc.) | Above info applicable to civil operations. MIL WX O/R |

ESIA AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations RWY NR | True& MAG BRG | Dimensions of RWY (m) | Strength (PCN) and surface of RWY and SWY | THR coordinates | THR elevation and highest elevation of TDZ of precision APCH RWY |
|---------------------------|------------------------|--------------------------|---|---------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 06 | 062.8° GEO 060° MAG | 2289x40 | PCN – ASPH | 583032.94N 0142922.75E | THR 307 ft/93.6 m |
| 24 | 242.8° GEO 240° MAG | 2289x40 | PCN – ASPH | 583106.73N 0143128.56E | THR 310 ft/94.5 m |
| Slope of RWY-SWY | SWY dimensions (m) | CWY dimensions (m) | Strip dimensions (m) | OFZ | Remarks |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 06 Info not avbl | NIL | NIL | – | NIL | |
| 24 | NIL | NIL | – | NIL | |

ESIA AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|----------------|----------|----------|----------|---------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 06 | 2289 | 2289 | 2289 | 2289 | |
| 24 | 2289 | 2289 | 2289 | 2289 | |

ESIA AD 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator | APCH LGT Type, LEN INTST | THR LGT Colour WBAR | PAPI (MEHT) | TDZ, LGT LEN | RWY Centre Line LGT LEN, Spacing Colour INTST | RWY Edge LGT LEN, Spacing Colour INTST | RWY End LGT Colour WBAR | SWY LGT LEN, Colour |
|----------------|----------------------------|---------------------|------------------------|--------------|---|---|-------------------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 06 | Cat I 1200 m LIL/LIH | Green | MIL PAPI Left/2.86° | NIL | NIL | 2289/60 m White Caution zone 600 m yellow LIL/LIH | Red | NIL |
| 24 | SALS 308 m LIH | Green | MIL PAPI Left/2.86° | NIL | NIL | 2289/60 m White Caution zone 600 m yellow LIL/LIH | Red | NIL |

10. Remarks: Approach ligths: MIL configuration.
Electronic flashing approach system lights RWY 06 and 24.

ESIA AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

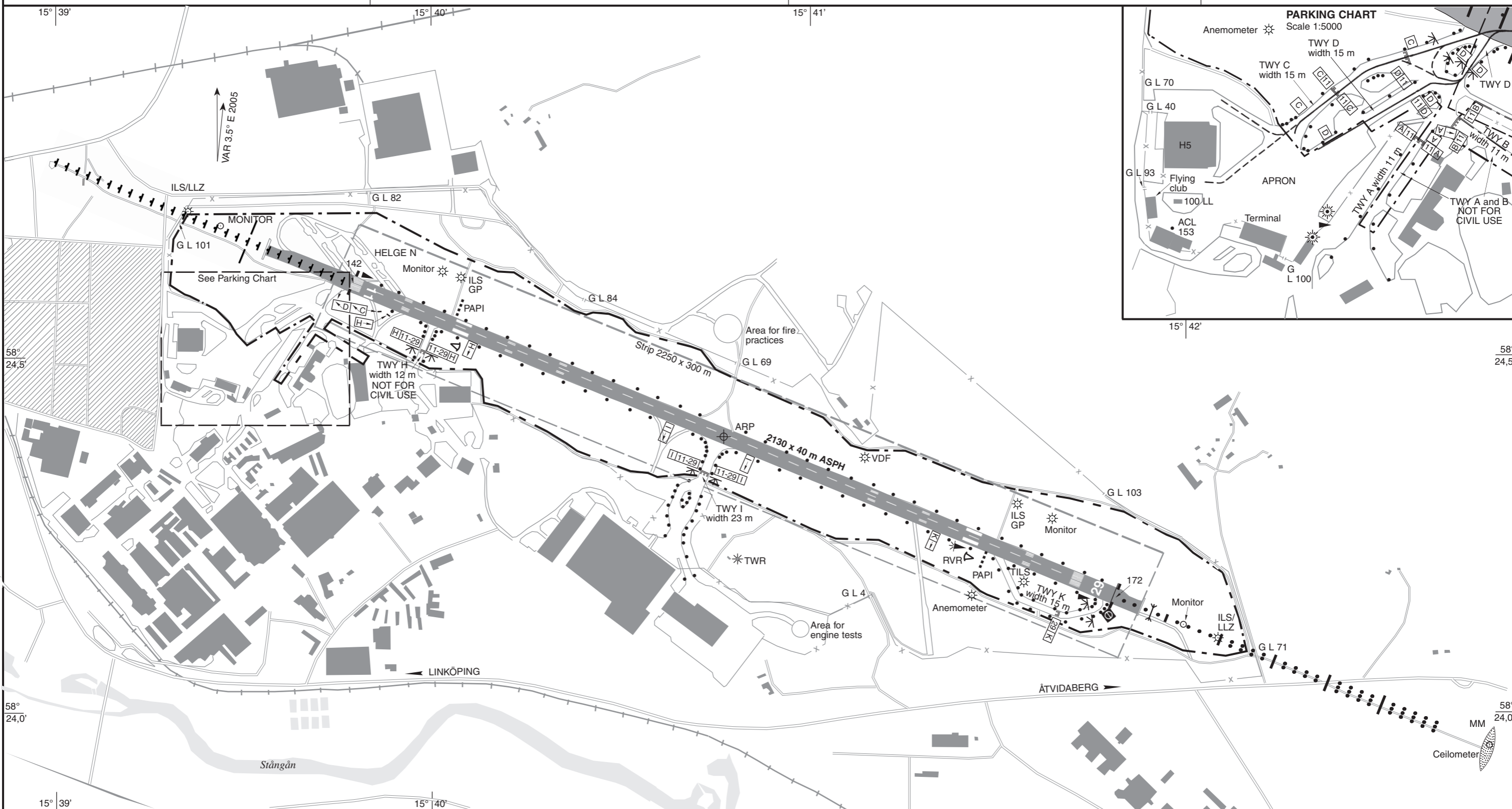
| | | |
|--------|--|--|
| 2.15.1 | ABN/IBN location, characteristics and hours of operation | Not available |
| 2.15.2 | LDI location and LGT Anemometer location and LGT | At RWY ends, lighted At RWY ends, lighted |
| 2.15.3 | TWY edge and centre line lighting | Edge lights |
| 2.15.4 | Secondary power supply/switch-over time | - |
| 2.15.5 | Remarks | - |

ESIA AD 2.16 HELICOPTER LANDING AREA

-

ESIA AD 2.17 ATS AIRSPACE

| | | |
|--------|-----------------------------------|---|
| 2.17.1 | Designation and lateral limits | KARLSBORG CTR 583723N 0143913E-583043N 0144544E-582524N 0143643E- 582336N 0141310E-582817N 0140905E-583700N 0142708E- 583723N 0143913E |
| 2.17.2 | Vertical limits | <u>1700 ft/520 m MSL</u> GND |
| 2.17.3 | Airspace classification | C |
| 2.17.4 | ATS unit call sign Language(s) | KARLSBORG TOWER Swedish/English |
| 2.17.5 | Transition altitude | 5000 ft/1500 m |
| 2.17.6 | Remarks | - |



LIGHTING

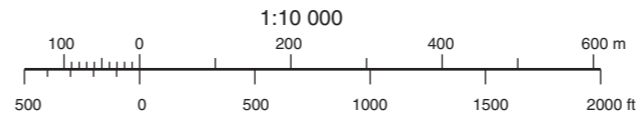
| | | |
|----------|-----------------------------|------------|
| PAPI | GP 3.25° (5.7 %) | RWY 11 |
| | MEHT 55.8 ft (17.0 m) | |
| PAPI | GP 2.86° (5.0 %) | RWY 29 |
| | MEHT 53.8 ft (16.4 m) | |
| APCH | LIH W 840 m, EFAS | RWY 11 |
| | LIH W 900 m | RWY 29 |
| THR | LIH G | RWY 11, 29 |
| RWY edge | LIH W YCZ 600 m | RWY 11, 29 |
| RWY end | LIH R | RWY 11, 29 |
| TWY | LIL B | |
| OBST | LIL R | |
| RGL | LIL Y | |
| REMARKS | PAPI and LIH can be dimmed. | |

AD ELEV 172 FEET
 Runway bearings
 11/29 = GEO 112.16°/292.19°; MAG 109°/289°

ARP = 58°24'23"N 015°40'47"E
 THR 11 = 58°24'35.64"N 015°39'48.13"E
 THR 29 = 58°24'09.65"N 015°41'49.60"E

STRENGTH
 See AD 2.8 and 2.12

LEGEND
 See GEN 2.3



ESKM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

| | | |
|-------|---|---|
| 2.9.1 | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of acft stands | Taxi guide lines and signs. |
| 2.9.2 | RWY and TWY markings and LGT | RWY: Designator, THR, TDZ, CL and edges are day marked RTHL, REDL, RENL TWY: HLDG day marked. Edge lights |
| 2.9.3 | Stop bars | Non |
| 2.9.4 | Remarks | - |

ESKM AD 2.10 AERODROME OBSTACLES

| In approach/TKOF areas 1 | | | In circling area and at AD 2 | | Remarks 3 |
|-----------------------------|--|-------------|--|-------------|--------------|
| RWY/Area affected | Obstacle type Elevation Markings/LGT | Coordinates | Obstacle type Elevation Markings/LGT | Coordinates | |
| a | b | c | a | b | |
| | | | | | |

Info not avbl

See ESKM-5-1 (IAC)

ESKM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|---------|--|--|
| 2.11.1 | Associated MET Office | Stockholm/Arlanda |
| 2.11.2 | Hours of service MET Office outside hours | H24 |
| 2.11.3 | Office responsible for TAF preparation Periods of validity | TAF not produced |
| 2.11.4 | Type of landing forecast Interval of issuance | Not issued |
| 2.11.5 | Briefing/consultation provided | FPC TEL +46 (0)8 797 63 40. Consultation O/R |
| 2.11.6 | Flight documentation Language(s) used | TAF, METAR, SIGMET, Upper air winds Swedish/English |
| 2.11.7 | Charts and other information available for briefing or consultation | SWC, WAFS Chart, Nordic SIGWX Chart, low level forecasts (plain language) |
| 2.11.8 | Supplementary equipment available for providing information | - |
| 2.11.9 | ATS units provided with information | Mora AFIS |
| 2.11.10 | Additional information (limitation of service, etc.) | Flight planning room available |

ESKM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations RWY NR | True & MAG BRG | Dimensions of RWY (m) | Strength (PCN) and surface of RWY and SWY | THR coordinates | THR elevation and highest elevation of TDZ of precision APCH RWY |
|---------------------------|-------------------------|--------------------------|---|---------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 16 | 161.22° GEO 159° MAG | 1814x45 | PCN 30 F/B/X/U ASPH | 605756.21N 0143021.58E | THR 631 ft/192.2 m TDZ 633 ft/193.0 m Geoid undulation 103 ft/31.3 m |
| 34 | 341.23° GEO 339° MAG | 1814x45 | | 605700.72N 0143100.38E | THR 617 ft/188.1 m Geoid undulation 103 ft/31.3 m |

| Slope of RWY-SWY | SWY dimensions (m) | CWY dimensions (m) | Strip dimensions (m) | OFZ | Remarks |
|-----------------------|-----------------------|-----------------------|-------------------------|------------|------------|
| 7 | 8 | 9 | 10 | 11 | 12 |
| 16Info not avbl 34 | NIL NIL | NIL NIL | 1934x300 | NIL NIL | NIL NIL |

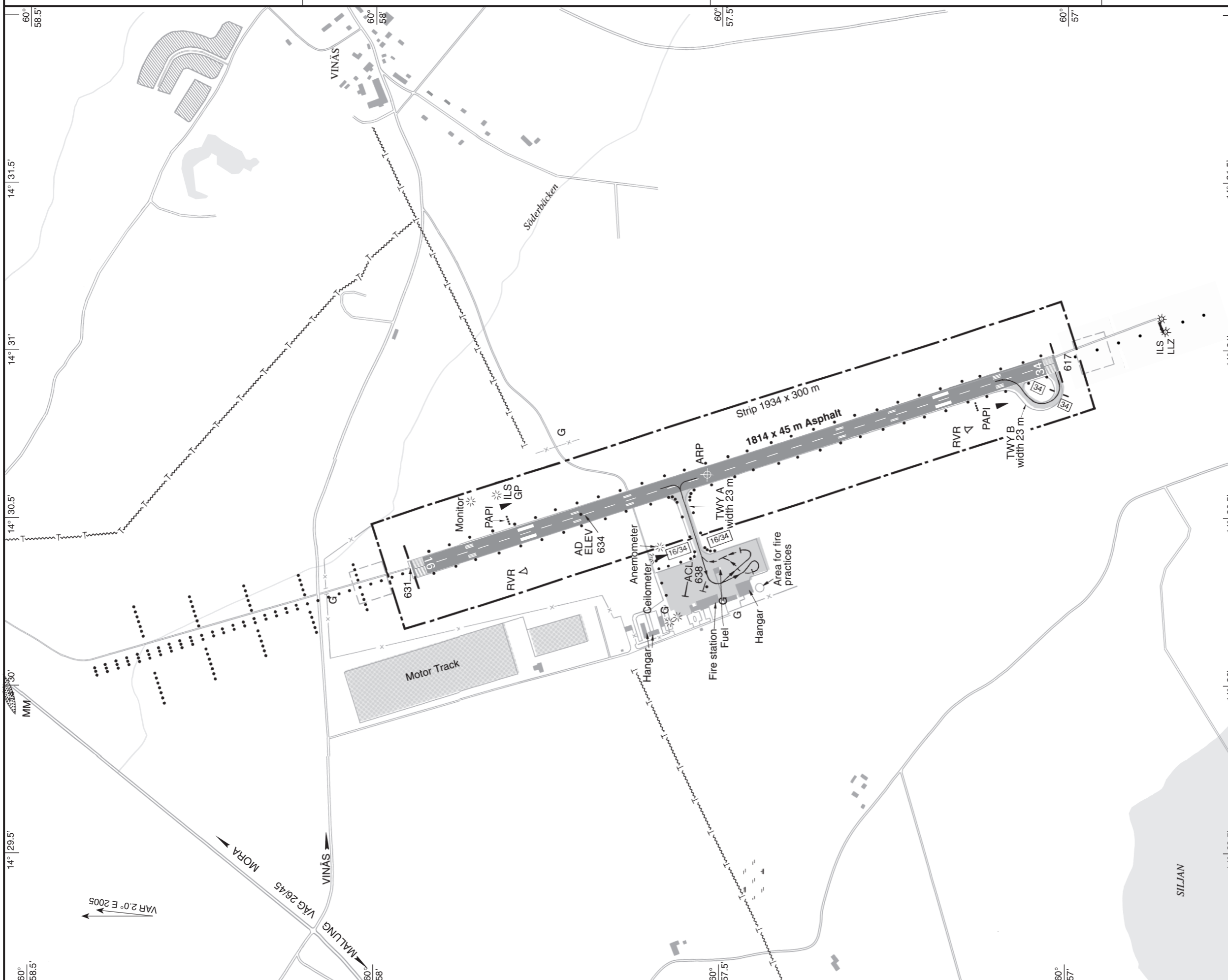
ESKM AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|----------------|----------|----------|----------|---------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 16 | 1814 | 1814 | 1814 | 1814 | |
| 34 | 1814 | 1814 | 1814 | 1814 | |

ESKM AD 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator | APCH LGT Type, LEN INTST | THR LGT Colour WBAR | PAPI (MEHT) | TDZ, LGT LEN | RWY Centre Line LGT LEN, Spacing Colour INTST | RWY Edge LGT LEN, Spacing Colour INTST | RWY End LGT Colour WBAR | SWY LGT LEN, Colour |
|-------------------|--------------------------------------|---------------------------|------------------------------|-----------------|---|---|----------------------------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 16 | Calvert Cat I 900 M LIL/LIH | Green | Left/3.0° 51.5 ft/15.7 m | NIL | NIL | 1814/60 m White Caution zone 600 m yellow LIL/LIH | Red | NIL |
| 34 | SALS 420 m LIL/LIH | Green | Left/3.25° 45.9 ft/14.0 m | NIL | NIL | 1814/60 m White Caution zone 600 m yellow LIL/LIH | Red | NIL |

10. Remarks: LIL switched on by carrier wave of 10 sec on 129.85 MHz



AD ELEV 634 FEET

Runway bearings
 16/34 = GEO 161.22°/341.23°; MAG 159°/339°
 ARP = 60°57'31"N 014°30'38"E
 THR 16 = 60°57'56.21"N 014°30'21.58"E
 THR 34 = 60°57'00.72"N 014°31'00.38"E

STRENGTH

See AD 2.8 and 2.12

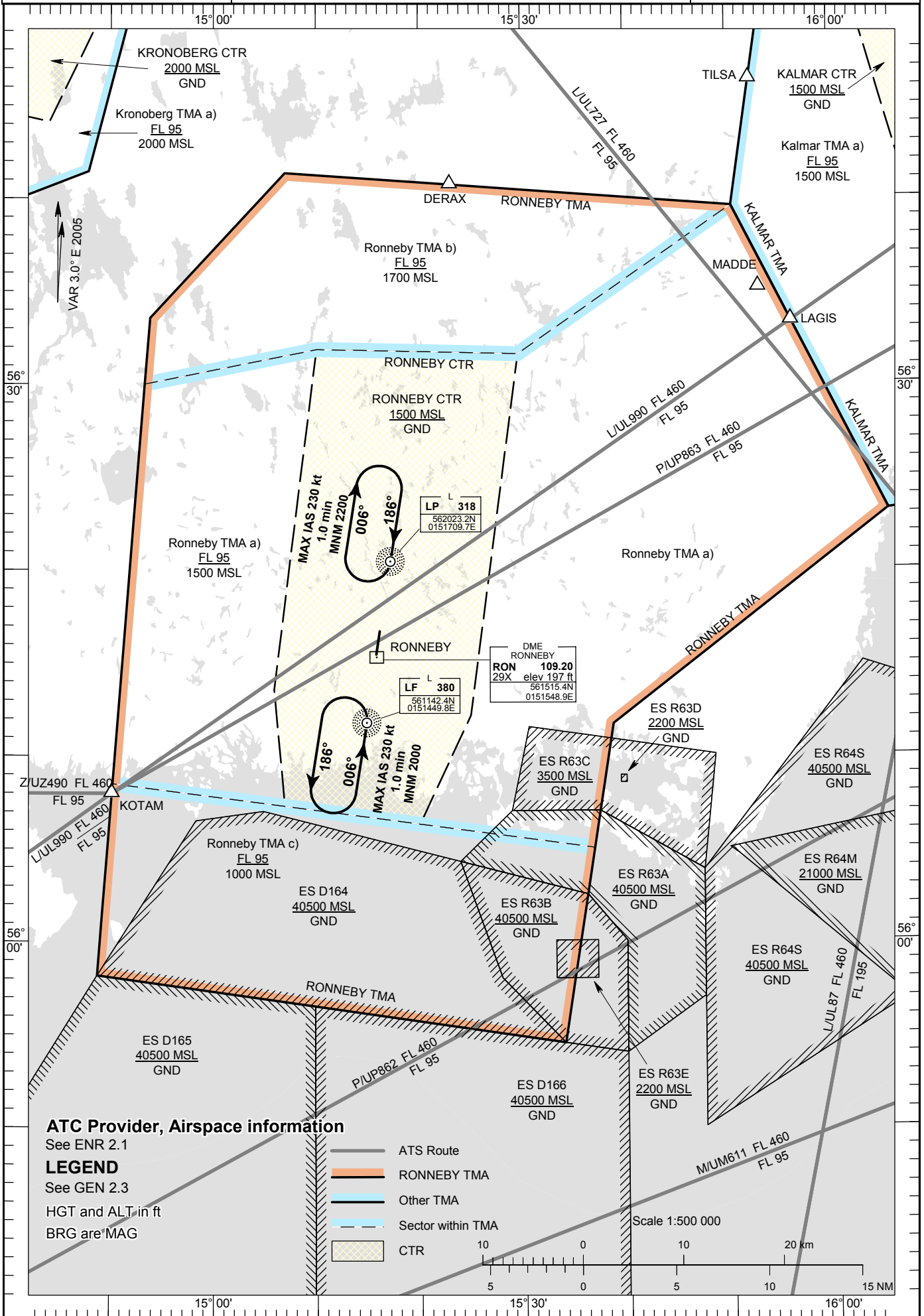
LEGEND

See GEN 2.3

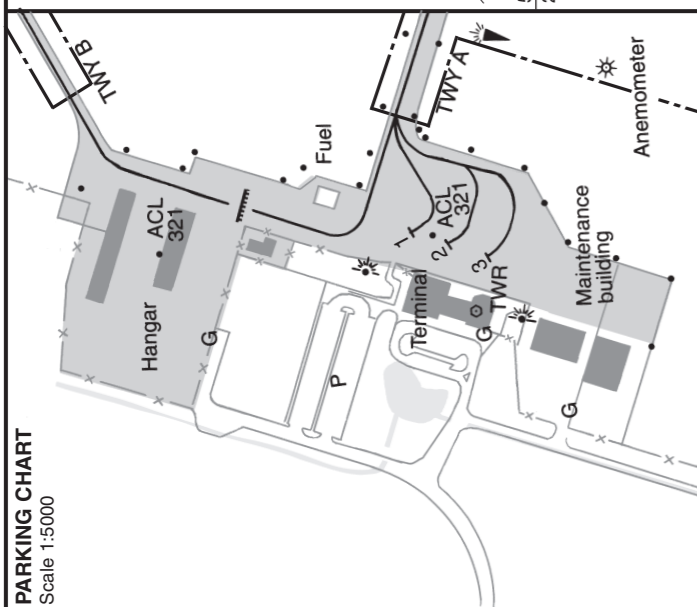
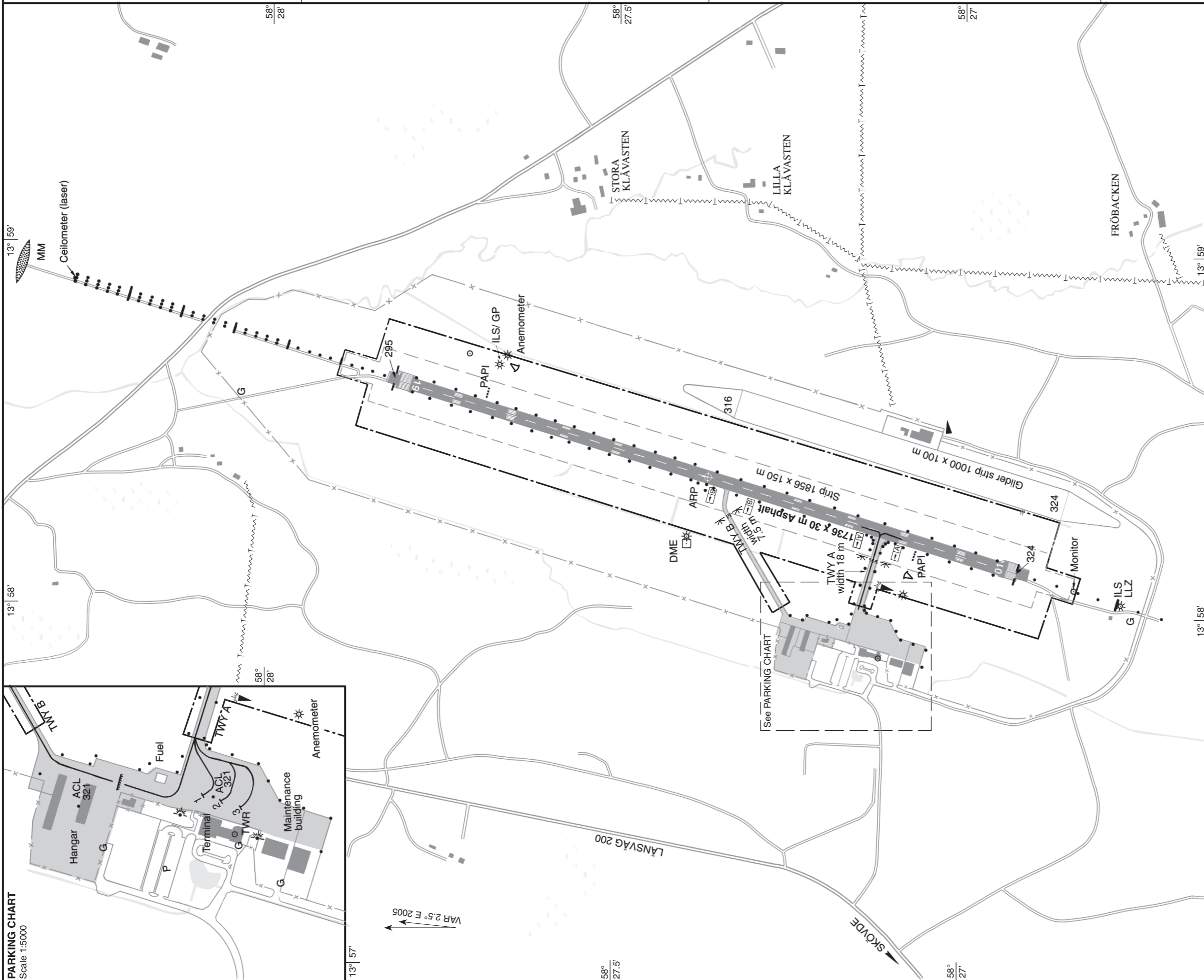
LIGHTING

| | | |
|----------|-----------------------|------------|
| PAPI | GP 3.0° (5.2%) | RWY 16 |
| PAPI | MEHT 51.5 ft (15.7 m) | RWY 34 |
| APCH | GP 3.25° (5.7%) | RWY 16 |
| THR | MEHT 45.9 ft (14.0 m) | RWY 34 |
| RWY edge | LIL, LIH W 900 m | RWY 16, 34 |
| RWY end | LIL, LIH W 420 m | RWY 16, 34 |
| TWY | LIL, LIH G | RWY 16, 34 |
| OBST | LIL, LIH W YCZ 600 m | RWY 16, 34 |
| REMARK | LIL, LIH R | RWY 16, 34 |
| | LIL, LIH B | |
| | LIL, LIH R | |

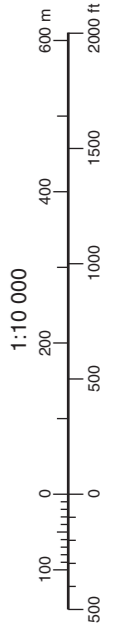
PAPI and LIH can be dimmed

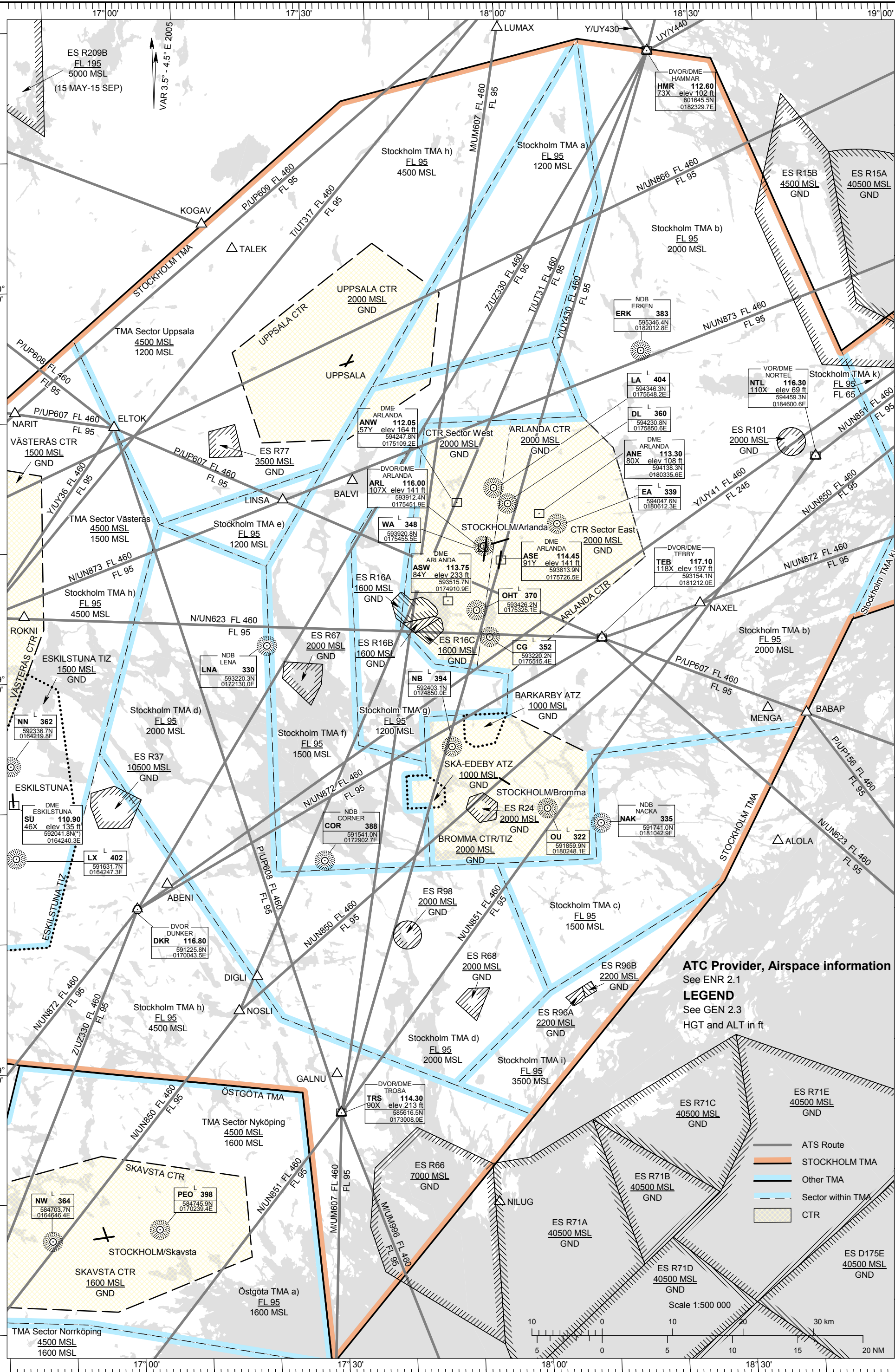


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| | | | |
|-----------------|----------------------------|------------|--|
| LIGHTING | GP 3.0° (5.2%) | RWY 01 | AD ELEV 324 FEET |
| PAPI | MEHT 45.3 ft (13.8 m) | RWY 19 | Runway bearings |
| PAPI | GP 3.0° (5.2%) | RWY 01 | 01/19 = GEO 015.71°/195.72°; MAG 013°/193° |
| APCH | MEHT 49.9 ft (15.2 m) | RWY 19 | ARP = 58°27'22"N 013°58'22"E |
| THR | LIL, LIH W 420 m | RWY 01, 19 | THR 01 = 58°26'55.96"N 013°58'06.98"E |
| RWY edge | LIL, LIH G YCZ 600 m | RWY 01, 19 | THR 19 = 58°27'49.97"N 013°58'35.97"E |
| RWY end | LIL, LIH R | RWY 01, 19 | STRENGTH |
| TWY | LIL | RWY 01, 19 | See AD 2.8 and 2.12 |
| OBST | LIL | | LEGEND |
| REMARKS | LIH and PAPI can be dimmed | | See GEN 2.3 |





CHANGE: P/UP608

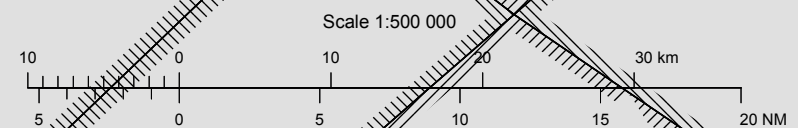
AMDT 101 05 JUL 2007

ATC Provider, Airspace information
See ENR 2.1

LEGEND
See GEN 2.3

HGT and ALT in ft

- ATS Route
- STOCKHOLM TMA
- Other TMA
- Sector within TMA
- CTR



Scale 1:500 000

AD 2. AERODROMES**ESNN AD 2.1 AERODROME LOCATION INDICATOR AND NAME****ESNN – SUNDSVALL-HÄRNÖSAND****ESNN AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

| | | |
|-------|--|--|
| 2.2.1 | ARP coordinates and site at AD | 623146N 0172634E BRG 160.2° GEO 800 m from THR 16 |
| 2.2.2 | Direction and distance from (city) | NNE 9 NM from Sundsvall |
| 2.2.3 | Elevation/Reference temperature | 5.0 m 16 ft/+21.3°C |
| 2.2.4 | Geoid undulation | 26.1 m/86 ft |
| 2.2.5 | MAG VAR/Annual change | 4.0° E 2005/+0.1 increasing |
| 2.2.6 | AD Administration, address, telephone, telefax, telex, AFS | LFV/The LFV Group Sundsvall-Härnösand Flygplats SE-861 83 Timrå TEL: +46 (0)60 19 76 00 Fax: +46 (0)60 19 76 19 Telex: – AFS: ESNN |
| 2.2.7 | Types of traffic permitted (IFR/VFR) | IFR/VFR. Max RWY ref code 4C |
| 2.2.8 | Remarks | – |

ESNN AD 2.3 OPERATIONAL HOURS

| | | |
|--------|----------------------------|--------------------------------------|
| 2.3.1 | AD Administration | MON-FRI 0800-1600 (0700-1500) |
| 2.3.2 | Customs and immigration | Ref AIP SUP/NOTAM |
| 2.3.3 | Health and sanitation | Not available |
| 2.3.4 | AIS Briefing Office | FPC H24 TEL +46 (0)8 797 63 40 |
| 2.3.5 | ATS Reporting Office (ARO) | Ref AIP SUP/NOTAM |
| 2.3.6 | MET Briefing Office | Ref AIP SUP/NOTAM |
| 2.3.7 | ATS | Ref AIP SUP/NOTAM |
| 2.3.8 | Fuelling | Ref AIP SUP/NOTAM |
| 2.3.9 | Handling | MON-SUN 0400-2100 (0300-2000) |
| 2.3.10 | Security | MON-SUN 0400-2100 (0300-2000) |
| 2.3.11 | De-icing | As 2.3.7 above |
| 2.3.12 | Remarks | Increased charges. Ref AIP SUP/NOTAM |

ESNN AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|-------|-------------------------------------|---|
| 2.4.1 | Cargo-handling facilities | Available O/R |
| 2.4.2 | Fuel/oil types | Jet A1, 100LL/types normally used |
| 2.4.3 | Fuelling facilities/capacity | No limitations |
| 2.4.4 | De-icing facilities | Type I and II, permanent de-icing plant, see ESNN-2-1 |
| 2.4.5 | Hangar space for visiting acft | Light aircraft only |
| 2.4.6 | Repair facilities for visiting acft | Limited |
| 2.4.7 | Remarks | Fuel supplier Shell |

ESNN AD 2.5 PASSENGER FACILITIES

| | | |
|-------|----------------------|---------------------------|
| 2.5.1 | Hotels | In Sundsvall or Härnösand |
| 2.5.2 | Restaurants | At AD |
| 2.5.3 | Transportation | Buses, taxis, rental cars |
| 2.5.4 | Medical facilities | In Sundsvall or Härnösand |
| 2.5.5 | Bank and Post Office | In Sundsvall or Härnösand |
| 2.5.6 | Tourist Office | In Sundsvall or Härnösand |
| 2.5.7 | Remarks | - |

ESNN AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|-------|---|--|
| 2.6.1 | AD category for fire fighting | Cat 6. For commercial traffic exceeding 2500 kg MTOW 120 sec, other traffic 8 min. |
| 2.6.2 | Rescue equipment | Tracked vehicle, rescue boat, snow scooter |
| 2.6.3 | Capability for removal of disabled aircraft | Available |

ESNN AD 2.7 SEASONAL AVAILABILITY – CLEARING

| | | |
|-------|-----------------------------|---|
| 2.7.1 | Types of clearing equipment | Snowploughs, sweepers, blowers, slingers, spreaders |
| 2.7.2 | Clearance priorities | RWY, TWY, Apron |
| 2.7.3 | Remarks | - |

ESNN AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|-------|-------------------------------------|--|
| 2.8.1 | Apron surface and strength | Apron M and N ASPH PCN 50 F/B/X/T, Apron S ASPH PCN 20 F/BX/T |
| 2.8.2 | Taxiway width, surface and strength | TWY A,B and D 23 m, TWY C 15 m all ASPH PCN 50 F/B/X/T |
| 2.8.3 | ACL location and elevation | See ESNN-2-1 |
| 2.8.4 | VOR/INS checkpoints | See ESNN-2-1 |
| 2.8.5 | Remarks | - |

ESNN AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

| | | |
|-------|---|---|
| 2.9.1 | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of acft stands | Taxi guide lines and signs. Marshalling available |
| 2.9.2 | RWY and TWY markings and LGT | RWY: Designator, THR, TDZ, CL and edges are day marked RTHL, REDL, RENL TWY: HLDG day marked. Edge lights |
| 2.9.3 | Stop bars | Non |
| 2.9.4 | Remarks | - |

ESNN AD 2.10 AERODROME OBSTACLES

| In approach/TKOF areas 1 | | | In circling area and at AD 2 | | Remarks 3 |
|-----------------------------|--|-------------|--|-------------|--------------|
| RWY/Area affected | Obstacle type Elevation Markings/LGT | Coordinates | Obstacle type Elevation Markings/LGT | Coordinates | |
| a | b | c | a | b | |

See ESNN-3-1 (AOC)

See ESNN-5-1 (IAC)

ESNN AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|---------|---|---|
| 2.11.1 | Associated MET Office | Sundsvall |
| 2.11.2 | Hours of service MET Office outside hours | H24 |
| 2.11.3 | Office responsible for TAF preparation Periods of validity | Sundsvall 9 HR HO |
| 2.11.4 | Type of landing forecast Interval of issuance | Not issued |
| 2.11.5 | Briefing/consultation provided | FPC TEL +46 (0)8 797 63 40 Consultation O/R |
| 2.11.6 | Flight documentation Language(s) used | TAF, METAR, SIGMET, Upper air winds Swedish/English |
| 2.11.7 | Charts and other information available for briefing or consultation | SWC, WAFS Chart, Nordic SIGWX Chart, low level forecasts (plain language) |
| 2.11.8 | Supplementary equipment available for providing information | - |
| 2.11.9 | ATS units provided with information | ATS units within Sundsvall AOR |
| 2.11.10 | Additional information (limitation of service, etc.) | 122.600 MHz »SUNDSVALL MET OFFICE« for reporting of aircraft observations Flight planning room available |

ESNN AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations RWY NR | True& MAG BRG | Dimensions of RWY (m) | Strength (PCN) and surface of RWY and SWY | THR coordinates | THR elevation and highest elevation of TDZ of precision APCH RWY |
|---------------------------|-------------------------|--------------------------|---|-------------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 16 | 160.17° GEO 156° MAG | 1950x45 | PCN 50 F/B/X/T ASPH | 623207.07N (*) 0172617.97E | THR 16 ft/5.0 m TDZ 16 ft/5.0 m Geoid undulation 86 ft/ 26.1 m |
| 34 | 340.18° GEO 336° MAG | 1940x45 | | 623112.38N 0172700.67E | THR 12 ft/3.8 m TDZ - Geoid undulation 86 ft/26.1 m |

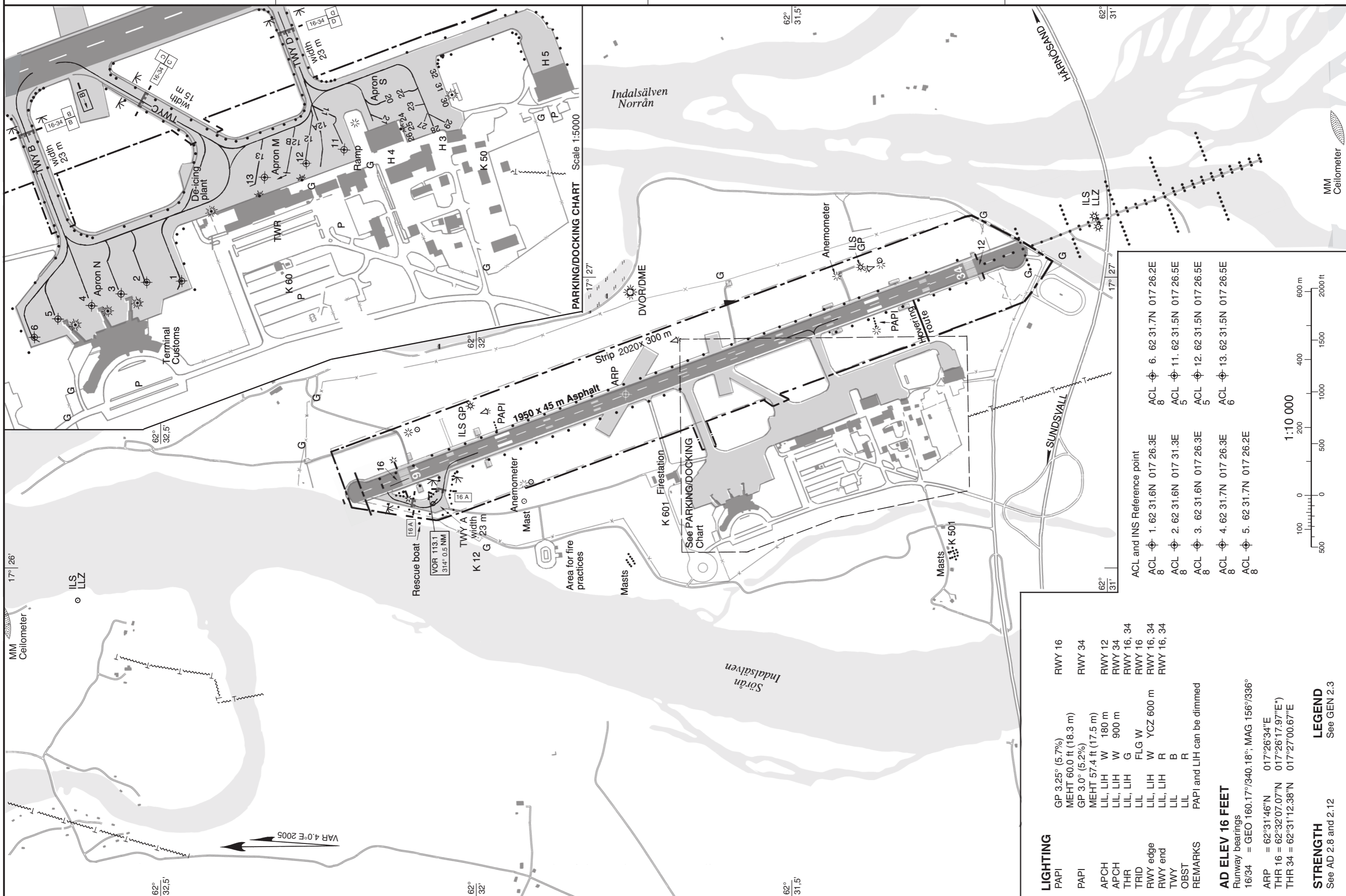
| Slope of RWY-SWY | SWY dimensions (m) | CWY dimensions (m) | Strip dimensions (m) | OFZ | Remarks |
|---|-----------------------|-----------------------|-------------------------|-----|---|
| 7 | 8 | 9 | 10 | 11 | 12 |
| 16 See ESNN-3-1 | NIL | NIL | 2020x300 | NIL | BGN RWY 16 623211.63N 0172614.41E (*) 150 m in front of THR |
| 34 | NIL | NIL | | NIL | BGN RWY 34 623108.13N 0172703.99E (*) 140 m in front of THR |
| RESA RWY 16 and RWY 34 non-standard configuration. Use of RESA by right-hand turn. Ref AD 2 ESNN 2-1. | | | | | |

ESNN AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|----------------|----------|----------|----------|---------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 16 | 1950 | 1950 | 1950 | 1800 | |
| 34 | 1940 | 1940 | 1940 | 1800 | |

ESNN AD 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator | APCH LGT Type, LEN INTST | THR LGT Colour WBAR | PAPI (MEHT) | TDZ, LGT LEN | RWY Centre Line LGT LEN, Spacing Colour INTST | RWY Edge LGT LEN, Spacing Colour INTST | RWY End LGT Colour WBAR | SWY LGT LEN, Colour |
|--|--------------------------------------|---------------------------|------------------------------|-----------------|---|---|----------------------------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 16 | Barrette CL 180 m LIL/LIH | Green | Left/3.25° 60.0 ft/18.3 m | NIL | NIL | 1950/60 m White Caution zone 600 m yellow LIL/LIH | Red | NIL |
| 34 | Calvert Cat I 900 M LIL/LIH | Green | Left/3.0° 57.4 ft/17.5 m | NIL | NIL | 1950/60 m White Caution zone 600 m yellow LIL/LIH | Red | NIL |
| 10. Remarks: TRID FLG white THR 16. LIH. | | | | | | | | |



ACL and INS Reference point

| | | | | | |
|--------|----------|-----------|--------|----------|-----------|
| ACL 1 | 62 31.6N | 017 26.3E | ACL 6 | 62 31.7N | 017 26.2E |
| ACL 2 | 62 31.6N | 017 31.3E | ACL 7 | 62 31.7N | 017 26.3E |
| ACL 3 | 62 31.6N | 017 26.3E | ACL 8 | 62 31.7N | 017 26.3E |
| ACL 4 | 62 31.7N | 017 26.3E | ACL 9 | 62 31.7N | 017 26.3E |
| ACL 5 | 62 31.7N | 017 26.2E | ACL 10 | 62 31.7N | 017 26.2E |
| ACL 11 | 62 31.5N | 017 26.5E | ACL 12 | 62 31.5N | 017 26.5E |
| ACL 13 | 62 31.5N | 017 26.5E | ACL 14 | 62 31.5N | 017 26.5E |

LIGHTING

| | | |
|----------|-----------------------|------------|
| PAPI | GP 3.25° (5.7%) | RWY 16 |
| PAPI | MEHT 60.0 ft (18.3 m) | RWY 34 |
| APCH | GP 3.0° (5.2%) | RWY 12 |
| APCH | MEHT 57.4 ft (17.5 m) | RWY 34 |
| THR | LIL, LIH W 180 m | RWY 16, 34 |
| THR | LIL, LIH W 900 m | RWY 16 |
| THR | LIL, LIH G | RWY 16, 34 |
| TRID | LIL, LIH W YCZ 600 m | RWY 16, 34 |
| RWY edge | LIL, LIH R | RWY 16, 34 |
| RWY end | LIL, LIH B | RWY 16, 34 |
| TWY | LIL B | |
| OBST | LIL R | |

REMARKS PAPI and LIH can be dimmed

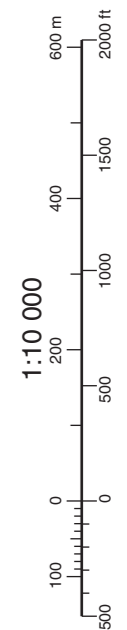
AD ELEV 16 FEET

Runway bearings
 16/34 = GEO 160.17°/340.18°; MAG 156°/336°

ARR = 62°31'46"N 017°26'34"E
 THR 16 = 62°32'07.07"N 017°26'17.97"E
 THR 34 = 62°31'12.38"N 017°27'00.67"E

STRENGTH
 See AD 2.8 and 2.12

LEGEND
 See GEN 2.3



AD 2. AERODROMES**ESND AD 2.1 AERODROME LOCATION INDICATOR AND NAME****ESND – SVEG****ESND AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

| | | |
|-------|--|---|
| 2.2.1 | ARP coordinates and site at AD | 620252N 0142527E RWY 687 m from THR 27 |
| 2.2.2 | Direction and distance from (city) | NE 2.4 NM from Sveg |
| 2.2.3 | Elevation/Reference temperature | 359.0 m 1178 ft/+16.6° CI |
| 2.2.4 | Geoid undulation | 33.2 m/109 ft |
| 2.2.5 | MAG VAR/Annual change | 2.0° E 2005/+0.1 increasing |
| 2.2.6 | AD Administration, address, telephone, telefax, telex, AFS | Härjedalens kommun Sveg flygplats SE-842 80 Sveg TEL: +46 (0)680 71 13 50 Fax: +46 (0)680 131 30 Telex: – AFS: ESND |
| 2.2.7 | Types of traffic permitted (IFR/VFR) | IFR/VFR. Max RWY ref code 2C |
| 2.2.8 | Remarks | – |

ESND AD 2.3 OPERATIONAL HOURS

| | | |
|--------|----------------------------|--------------------------------|
| 2.3.1 | AD Administration | No specific hours |
| 2.3.2 | Customs and immigration | Not available |
| 2.3.3 | Health and sanitation | Not available |
| 2.3.4 | AIS Briefing Office | FPC H24 TEL +46 (0)8 797 63 40 |
| 2.3.5 | ATS Reporting Office (ARO) | Ref AIP SUP/NOTAM |
| 2.3.6 | MET Briefing Office | As 2.3.4 above |
| 2.3.7 | ATS | Ref AIP SUP/NOTAM |
| 2.3.8 | Fuelling | Ref AIP SUP/NOTAM |
| 2.3.9 | Handling | Ref AIP SUP/NOTAM |
| 2.3.10 | Security | Not available |
| 2.3.11 | De-icing | Ref AIP SUP/NOTAM |
| 2.3.12 | Remarks | – |

| | | |
|--------------------|--|---|
| ESND AD 2.4 | HANDLING SERVICES AND FACILITIES | |
| 2.4.1 | Cargo-handling facilities | Not available |
| 2.4.2 | Fuel/oil types | Jet A1, 100LL, 20W50 |
| 2.4.3 | Fuelling facilities/capacity | Jet A1 50,000 l in stationary unit and 10,000 l in fuel truck, 100LL 20,000 l |
| 2.4.4 | De-icing facilities | Type I |
| 2.4.5 | Hangar space for visiting acft | Not available |
| 2.4.6 | Repair facilities for visiting acft | Not available |
| 2.4.7 | Remarks | – |
| ESND AD 2.5 | PASSENGER FACILITIES | |
| 2.5.1 | Hotels | In Sveg |
| 2.5.2 | Restaurants | In Sveg |
| 2.5.3 | Transportation | Taxis, rental cars |
| 2.5.4 | Medical facilities | In Sveg |
| 2.5.5 | Bank and Post Office | In Sveg |
| 2.5.6 | Tourist Office | In Sveg |
| 2.5.7 | Remarks | – |
| ESND AD 2.6 | RESCUE AND FIRE FIGHTING SERVICES | |
| 2.6.1 | AD category for fire fighting | Cat 3 O/R |
| 2.6.2 | Rescue equipment | By arrangement, municipal rescue service |
| 2.6.3 | Capability for removal of disabled aircraft | By arrangement |
| 2.6.4 | Remarks | – |
| ESND AD 2.7 | SEASONAL AVAILABILITY – CLEARING | |
| 2.7.1 | Types of clearing equipment | Blowers, sweepers, slingers |
| 2.7.2 | Clearance priorities | RWY, TWY, Apron |
| 2.7.3 | Remarks | Limited clearing drg HOL |
| ESND AD 2.8 | APRONS, TAXIWAYS AND CHECK LOCATIONS DATA | |
| 2.8.1 | Apron surface and strength | ASPH PCN 12 F/B/X/U |
| 2.8.2 | Taxiway width, surface and strength | TWY A 15 m, PCN 12 F/B/X/U |
| 2.8.3 | ACL location and elevation | Apron 1172 ft/357.3 m |
| 2.8.4 | VOR/INS checkpoints | Not established |
| 2.8.5 | Remarks | – |

ESND AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

| | | |
|-------|---|--|
| 2.9.1 | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of acft stands | Not available |
| 2.9.2 | RWY and TWY markings and LGT | RWY: Designator, THR, CL and edges are day marked RTHL, REDL, RENL TWY: HLDG day marked. Edge lights |
| 2.9.3 | Stop bars | Non |
| 2.9.4 | Remarks | - |

ESND AD 2.10 AERODROME OBSTACLES

| In approach/TKOF areas 1 | | | In circling area and at AD 2 | | Remarks 3 |
|-----------------------------|--|-------------|--|-------------|--------------|
| RWY/Area affected | Obstacle type Elevation Markings/LGT | Coordinates | Obstacle type Elevation Markings/LGT | Coordinates | |
| a | b | c | a | b | |
| | | | | | |

Info not avbl

See ESND-5-1 (IAC)

ESND AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|---------|--|--|
| 2.11.1 | Associated MET Office | Sundsvall |
| 2.11.2 | Hours of service MET Office outside hours | H24 |
| 2.11.3 | Office responsible for TAF preparation Periods of validity | TAF not produced |
| 2.11.4 | Type of landing forecast Interval of issuance | Not issued |
| 2.11.5 | Briefing/consultation provided | FPC TEL +46 (0)8 797 63 40. Consultation O/R |
| 2.11.6 | Flight documentation Language(s) used | TAF, METAR, SIGMET, Upper air winds Swedish/English |
| 2.11.7 | Charts and other information available for briefing or consultation | SWC, WAFS Chart, Nordic SIGWX Chart, low level forecasts (plain language) |
| 2.11.8 | Supplementary equipment available for providing information | - |
| 2.11.9 | ATS units provided with information | SVEG AFIS |
| 2.11.10 | Additional information (limitation of service, etc.) | - |

ESND AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations RWY NR | True & MAG BRG | Dimensions of RWY (m) | Strength (PCN) and surface of RWY and SWY | THR coordinates | THR elevation and highest elevation of TDZ of precision APCH RWY |
|---------------------------|-------------------------|--------------------------|---|---------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 09 | 086.86° GEO 085° MAG | 1702x30 | PCN 12 F/B/X/U ASPH | 620250.41N 0142417.26E | THR 1172 ft/357.2 m Geoid undulation 109 ft/33.2 m |
| 27 | 266.89° GEO 265° MAG | 1702x30 | | 620253.24N 0142614.21E | THR 1176 ft/358.5 m Geoid undulation 109 ft/33.2 m |

| Slope of RWY-SWY | SWY dimensions (m) | CWY dimensions (m) | Strip dimensions (m) | OFZ | Remarks |
|---------------------|-----------------------|-----------------------|-------------------------|-----|---------|
| 7 | 8 | 9 | 10 | 11 | 12 |
| 09 Info not avbl | NIL | NIL | 1822x150 | NIL | |
| 27 | NIL | NIL | | NIL | |

ESND AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|----------------|----------|----------|----------|---------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 09 | 1702 | 1702 | 1702 | 1702 | |
| 27 | 1702 | 1702 | 1702 | 1702 | |

ESND AD 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator | APCH LGT Type, LEN INTST | THR LGT Colour WBAR | PAPI (MEHT) | TDZ, LGT LEN | RWY Centre Line LGT LEN, Spacing Colour INTST | RWY Edge LGT LEN, Spacing Colour INTST | RWY End LGT Colour WBAR | SWY LGT LEN, Colour |
|-------------------|--------------------------------|---------------------------|---------------------------|-----------------|---|---|----------------------------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 09 | SALS 420 m LIL/LIH | Green | Left/3.0° 50 ft/15.2 m | NIL | NIL | 1702/60 m White Caution zone 575 m yellow LIL/LIH | Red | NIL |
| 27 | NIL | Green | Left/3.0° 50 ft/15.2 m | NIL | NIL | 1702/60 m White Caution zone 575 m yellow LIL/LIH | Red | NIL |

10. Remarks: Row of lights at timber yard 200 m south and parallel to beginning RWY 09
Radio switch-on of LIL by carrier wave of 20 sec on 122.20 MHz.

ESND AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | |
|--------|--|--|
| 2.15.1 | ABN/IBN location, characteristics and hours of operation | Not available |
| 2.15.2 | LDI location and LGT Anemometer location and LGT | Lighted windsock W apron At RWY ends, lighted |
| 2.15.3 | TWY edge and centre line lighting | Edge lights |
| 2.15.4 | Secondary power supply/switch-over time | Available/10 sec |
| 2.15.5 | Remarks | - |

ESND AD 2.16 HELICOPTER LANDING AREA

RWY to used

ESND AD 2.17 ATS AIRSPACE

| | | |
|--------|-----------------------------------|-------------------------------------|
| 2.17.1 | Designation and lateral limits | ATS airspace not established |
| 2.17.2 | Vertical limits | - |
| 2.17.3 | Airspace classification | - |
| 2.17.4 | ATS unit call sign Language(s) | SVEG INFORMATION Swedish/English |
| 2.17.5 | Transition altitude | 6000 ft/1850 m |
| 2.17.6 | Remarks | - |

ESND AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign | Frequency | Hours of operation | Remarks |
|---------------------|------------------|----------------------------|--------------------|---------|
| 1 | 2 | 3 | 4 | 5 |
| AFIS | SVEG INFORMATION | 122.200 MHz 121.500 MHz | HO HO | |

ESND AD 2.19 RADIO NAVIGATION AND LANDING AIDS

| Type of aid CAT of ILS/MLS (For VOR/ILS/ MLS give VAR) | ID | Frequency | Hours of operation | Site of transmitting antenna coordinates | Elevation of DME transmitting antenna | Remarks |
|---|-----|------------|--------------------|--|---------------------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LLZ 09 | IND | 109.10 MHz | H24 | 620253.6N 0142628.6E | | 360 m beyond THR 27 |
| LO 09 | OY | 368 kHz | H24 | 620243.5N 0141934.0E | | 265° MAG 4122 m from THR 09 Range 60 km/30 NM |
| LI 09 | Y | 327 kHz | H24 | 620249.5N 0142341.4E | | 268° MAG 522 m from THR 09 Range 30 km/15 NM |

ESND AD 2.20 LOKALA TRAFIKFÖRESKRIFTER

Överflygning av Sveg samhälle bör undvikas.

Efter start RWY 27 får vänstersväng inte påbörjas förrän en höjd av 2500 ft QNH har uppnåtts.

ESND AD 2.20 LOCAL TRAFFIC REGULATIONS

Overflying of the built up areas of Sveg should be avoided.

After take-off RWY 27 left hand turn must not be initiated until an altitude of 2500 ft QNH has been reached.

ESND AD 2.21 MINSKNING AV BULLERSTÖRNING

NIL

ESND AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

ESND AD 2.22 FLYGPROCEDURER**ESND AD 2.22 FLIGHT PROCEDURES**

| RWY | Procedure | Significant obstacle | | |
|-----|---|----------------------|----------------|-----------------------------------|
| | | Obstacle | Elevation (ft) | Direction (GEO)/Dist (m) from THR |
| 09 | Climb straight ahead to MNM turning ALT 2000 ft. Continue climb to appropriate MSA. Sector 188° – 218° GEO from ARP not to be entered until ALT 3600 ft is reached. | Terrain | 1690 | 060°/4500 |
| | | Pylon | 3383 | 202°/14800 |
| 27 | Climb straight ahead with MNM 250 ft/NM (4.0%) to MNM turning ALT 2300 ft. Continue climb to appropriate MSA. Sector 188° – 218° GEO from ARP not to be entered until ALT 3600 ft is reached. | Terrain | 1752 | 287°/8500 |
| | | Terrain | 2133 | 312°/11000 |
| | | Terrain | 2248 | 228°/10900 |
| | | Pylon | 3383 | 205°/15300 |

ESND AD 2.23 ÖVRIG INFORMATION

NIL

ESND AD 2.23 MISCELLANEOUS

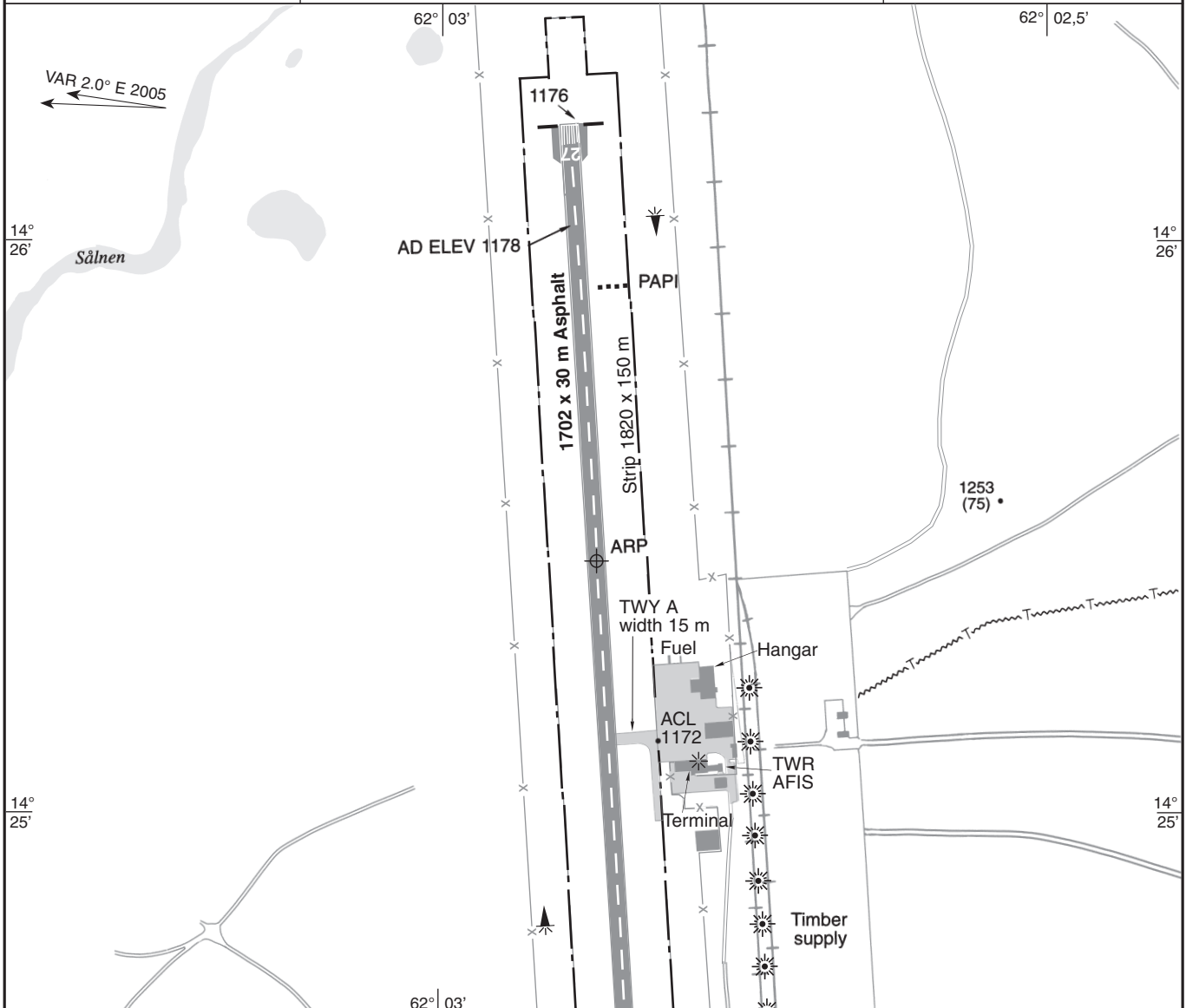
NIL

ESND AD 2.24 TILLHÖRANDE KARTOR

AD Chart
IAC NDB+LLZ 09
IAC NDB+NDB 09
VAC

ESND AD 2.24 RELATED CHARTS

ESND-2-1
ESND-5-1
ESND-5-2
ESND-6-1



LIGHTING

| | | |
|----------|----------------------------|------------|
| PAPI | GP 3.0° (5.2%) | RWY 09 |
| | MEHT 50 ft (15.2 m) | |
| PAPI | GP 3.0° (5.2%) | RWY 27 |
| | MEHT 50 ft (15.2 m) | |
| APCH | LIL, LIH W 420 m | RWY 09 |
| THR | LIL, LIH G | RWY 09, 27 |
| RWY edge | LIL, LIH W YCZ 575 m | RWY 09, 27 |
| RWY end | LIL, LIH R | RWY 09, 27 |
| TWY | LIL B | |
| OBST | LIL R | |
| REMARK | PAPI and LIH can be dimmed | |

AD ELEV 1178 FEET

Runway bearings
09/27 = GEO 086.86°/266.89°; MAG 085°/265°

ARP = 62°02'52"N 014°25'27"E
THR 09 = 62°02'50.41"N 014°24'17.26"E
THR 27 = 62°02'53.24"N 014°26'14.21"E

REMARK

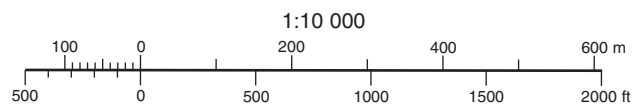
A row of lights south of RWY can be misled with the actual approach light system to RWY 09.

STRENGTH

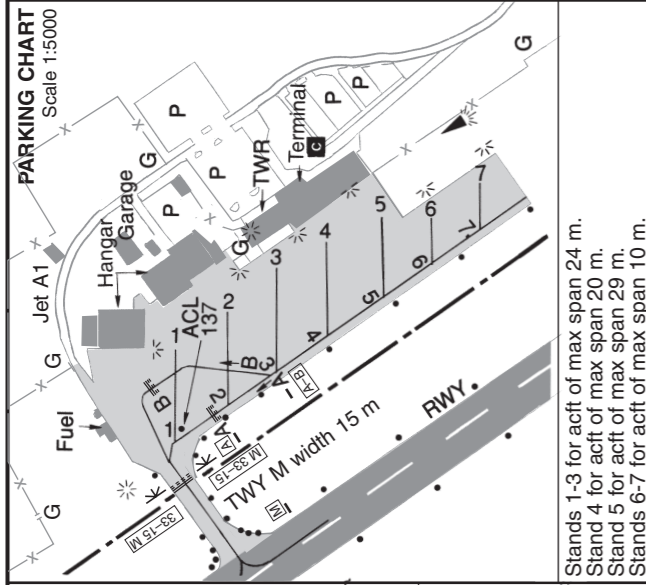
See AD 2.8 and 2.12

LEGEND

See GEN 2.3



INTENTIONALLY BLANK



| LIGHTING | RWY 15 | RWY 33 |
|----------------------------|--------|--------|
| PAPI | | |
| PAPI | | |
| APCH | | |
| THR | | |
| TRID | | |
| RWY edge | | |
| RWY end | | |
| OBST | | |
| LIH and PAPI can be dimmed | | |

AD 3. HELIKOPTERFLYGPLATSER

Helikopterflygplatser definierade enligt ICAO Annex 15 AD 3 finns inte etablerade i Sverige. Normalt sett förekommer helikopter verksamhet på flygplatser.

Denna del innehåller en alfabetisk förteckning över godkända helikopterflygplatser.

AD 3. HELIPOINTS

Heliports as defined in ICAO Annex 15 AD 3 are not established in Sweden. Helicopter operations normally take place on aerodromes.

This section contains an alphabetic list of non-instrument heliports.

| HELIPORT Location Indicator Coordinates (ARP) Elevation (ft) | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner/Operator TEL Fax Regulations and restrictions Remarks |
|---|----------------------------|---------|-------|----------------|----------------------|--|
| BORÅS/Borås sjukhus ESEB 574328N 0125801E (*) 597 | TLOF 9x9 FATO Ø 24 | ASPH | Yes | — | — | Licensed helicopter AD County council 033/616 50 00 PPR 15 min PN SOS Rescue Coordination Centre 031/703 15 80 Ambulance and rescue flights only. |
| GÄLLIVARE/Vassara ESEG 670812N 0203755E (*) 1160 | TLOF Ø 5.4 FATO Ø 28.5 | ASPH | Yes | Jet A-1 O/R | — | Licensed helicopter AD Municipal Operator: AB Norrlandsflyg 0970/140 65 PPR |
| GÖTEBORG/Sahlgrenska sjukh. ESHS 574100N 0115723E (*) 180 | TLOF 9x9 FATO Ø 28 | CONC | Yes | — | — | Licensed helicopter AD County council 031/41 64 70 PPR 15 min PN SOS Rescue Coordination Centre 031/703 15 80 Ambulance and rescue flights only. |
| GÖTEBORG/Östra Sjukhuset ESHB 574315N 0120254E 136 | TLOF 9x9 FATO 28.5x28.5 | ASPH | Yes | — | — | Licensed helicopter AD County council 031/343 67 99 PPR 15 min PN SOS Rescue Coordination Centre 031/703 15 80 Ambulance and rescue flights only. |
| HUDIKSVALL/Sjukhuset ESHX 614353N 0170613E (*) 73 | TLOF/ 22.4x24 FATO | CONC | Yes | — | — | Licensed helicopter AD County council 0650/920 00, 922 61 Ambulance and rescue flights only. |
| JÖNKÖPING/Ryhov sjukhus ESHJ 574553N 0141140E 346 | TLOF Ø 12 FATO Ø 24 | ASPH | Yes | — | — | Licensed helicopter AD County council 036/32 26 50 Ambulance and rescue flights only. |

| HELIPORT Location Indicator Coordinates (ARP) Elevation (ft) | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner/Operator TEL Fax Regulations and restrictions Remarks |
|--|--|---------|-------|----------------|----------------------|--|
| KARLSTAD/Centralsjukhuset ESHV 592237N 0132844E (*) 157 | TLOF Ø 6 FATO Ø 29,5 | ASPH | Yes | – | – | Licensed helicopter AD County council 054/61 50 00 PPR 60 min PN SOS Rescue Coordination Centre 054/83 34 50 Ambulance and rescue flights only. |
| KIRUNA/Luossajärvi ESEK 675136N 0201225E (*) 1550 | TLOF Ø 5.4 FATO Ø 28.5 | GRAVEL | No | Jet A-1 O/R | – | Licensed helicopter AD AB Norrlandsflyg 0970/140 65 PPR |
| KRISTIANSTAD/Centralsjukh. ESHI 560145N 0141019E 7 | TLOF Ø 19.6 FATO 28.5x28.5 | ASPH | Yes | – | – | Licensed helicopter AD County council 044/13 10 10 Ambulance and rescue flights only. |
| LINKÖPING/Universitetssjukh. ESEL 582402N 0153712E (*) 234 | TLOF Ø 7 FATO Ø 24 | ASPH | Yes | – | – | Licensed helicopter AD County council 013/22 10 63 PPR 30 min PN, 013/10 17 70 Ambulance and rescue flights only. |
| LULEÅ/Sunderby sjukhuset ESES 654021N 0215609E (*) 36 | TLOF 7.92x7.92 FATO 28.1x28.1 | ASPH | Yes | – | – | Licensed helicopter AD County council 0920/28 30 36 Ambulance and rescue flights only. |
| LUND/Universitetssjukhuset ESEM 554242N 0131156E (*) 352 | TLOF Ø 9.3 FATO Ø 29.3 | CONC | Yes | – | 122.875 | Licensed helicopter AD Universitetssjukhuset i Lund 046/17 10 00 (exch) PPR 10 min PN Ambulance and rescue flights only. |
| LYCKSELE/Sjukhuset ESEY 643511N 0184105E (*) 742 | TLOF Ø 9 FATO Ø 28.1 | ASPH | Yes | – | – | Licensed helicopter AD County council 0950/391 61 PPR Ambulance and rescue flights only. |
| NORRTÄLJE/Sjukhuset ESHY 594530N 0184131E (*) 60 | TLOF/ FATO Ø 19.8 | CONC | Yes | – | – | Licensed helicopter AD County council 0176/27 51 82, 27 51 72 Ambulance and rescue flights only. |
| SKÖVDE/Kärnsjukhuset ESHO 582430N 0135130E (*) 490 | TLOF 9x9 FATO Ø 24 | ASPH | Yes | – | – | Licensed helicopter AD County council 0500/431 00 PPR 15 min PN SOS Rescue Coordination Centre 031/703 15 80 Ambulance and rescue flights only. |
| STOCKHOLM/Danderyd sjukh. ESHD 592350N 0180200E (*) 5 | TLOF/ FATO Ø 17.5 | ASPH | Yes | – | – | Licensed helicopter AD County council 08/655 50 00 Ambulance and rescue flights only. |
| STOCKHOLM/Gamla Stan ESHG 591938N 180413E 3 | TLOF/ FATO 15x8 | CONC | No | – | – | Licensed helicopter AD Arlanda Helicopter AB 08/593 602 08 PPR |

| HELIPORT Location Indicator Coordinates (ARP) Elevation (ft) | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner/Operator TEL Fax Regulations and restrictions Remarks |
|---|---------------------------------|---------|-------|-------------|----------------------|---|
| STOCKHOLM/Huddinge sjukh. ESHL 591311N 0175603E 264 | TLOF Ø 9.3 FATO Ø 29.3 | CONC | Yes | – | 122.875 | Licensed helicopter AD County council 08/585 809 03, 585 800 92 PPR Ambulance and rescue flights only. |
| STOCKHOLM/Karolinska sjukh. ESHK 592116N 0180212E (*) 150 | TLOF 9x9 FATO Ø 28 | CONC | Yes | – | – | Licensed helicopter AD County council 08/517 747 85 Ambulance and rescue flights only. |
| STOCKHOLM/Södersjukhuset ESHC 591830N 0180317E (*) 135 | TLOF 9x9 FATO Ø 28 | CONC | Yes | – | – | Licensed helicopter AD County council 08/616 10 00 PPR Ambulance and rescue flights only. |
| SÖDERHAMN/Sjukhuset ESHF 611800N 0170300E (*) 92 | TLOF Ø 10 FATO Ø 34 | ASPH | Yes | – | – | Licensed helicopter AD County council 0270/771 31 Ambulance and rescue flights only. |
| TROLLHÄTTAN/NÅL sjukhus ESEN 581900N 0121620E (*) 312 | TLOF Ø 24 FATO Ø 24 | ASPH | Yes | – | – | Licensed helicopter AD County council 0521/910 00 PPR 15 min PN SOS Rescue Coordination Centre 031/703 15 80 Ambulance and rescue flights only. |
| UDDEVALLA/Sjukhuset ESEU 582124N 0115554E (*) 66 | TLOF Ø 10 FATO 20x24 | ASPH | Yes | – | – | Licensed helicopter AD County council 0522/920 00 PPR 15 min PN SOS Rescue Coordination Centre 031/703 15 80 Ambulance and rescue flights only. |
| UMEÅ/Universitetssjukhuset ESHZ 634904N 0201807E (*) 133 | TLOF Ø 5.3 FATO Ø 28.1 | CONC | Yes | – | – | Licensed helicopter AD County council 090/785 34 21, 785 34 06 Ambulance and rescue flights only. |
| UPPSALA/ Akademiska sjukhuset ESHU 595054N 0173836E (*) 172 | TLOF/ FATO Ø 28.1 | CONC | Yes | – | – | Licensed helicopter AD County council 018/611 00 00 Ambulance and rescue flights only. 10 min PN before ARR TEL 018/139490 or RDO 79.0375 MHz CH H02 SELCAL 22231 (CCIR) |

| HELIPORT Location Indicator Coordinates (ARP) Elevation (ft) | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner/Operator TEL Fax Regulations and restrictions Remarks |
|---|---------------------------------|--------------|-------|-------------|----------------------|---|
| VISBY/Sjukhuset ESEV 573900N 0181803E (*) 26 | TLOF Ø 10 FATO Ø 28.1 | CONC ASPH | Yes | – | – | Licensed helicopter AD Municipal 0498/26 80 15 Ambulance and SAR OPS: SOS I 112 Ambulance and rescue flights only. |
| ÅKERSBERGA ESHR 592908N 0181618E (*) 5 | TLOF/ FATO 10x10 | CONC | Yes | No | 122.100 | Licensed helicopter AD Municipal Operator: Arlanda Helicopter AB 08/593 602 08 PPR |
| ÖREBRO/Regionssjukhuset ESHQ 591631N 0151355 (*) 165 | TLOF Ø 5.3 FATO Ø 28.1 | CONC | Yes | – | 122,875 | Licensed helicopter AD County council 019/602 13 20 Ambulance and rescue flights only. |

| AERODROME Location Indicator Coordinates (ARP) Location Elevation (ft) | RWY | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner TEL Fax Regulations and restrictions Remarks |
|--|----------------|------------------|---------|-----------|--------------|----------------------|---|
| ESKILSTUNA/Ekeby ESSC 592302N 0162631E (*) 43 | 05/23 | 850x100 | Grass | No | 91/96 | 123.200 | Non-licensed AD Municipal +46 (0)16 51 34 89, +46 (0)16 14 03 57 Fax +46 (0)16 51 34 77 For gliding only PPR |
| ESLÖV ESME 555054N 0131942E (*) 1 NM NE 296 | 04/22 15/33 | 630x80 650x50 | Grass | No Yes | 100LL O/R | 123.150 | Licensed AD The LFV Group +46 (0)413 159 60 THR 04 displaced 90 m. PPR for take-off/landing exercises by visiting ACFT, +46 (0)70 554 70 00. RWY 04/22 not be used for repeated take-off/landing exercises. Right hand traffic circuit when RWY 04 and 33 is in use. Turn after take-off must not be initiated below 500 ft GND. |
| FAGERHULT ESMF 562316N 0132814E (*) 1 NM N 378 | 17/35 | 530x30 | Grass | No | No | – | Non-licensed AD Skånes Fagerhults flygklubb +46 (0)433 124 42, +46 (0)70 622 34 16 THR 17 displaced 100 m THR 35 displaced 30 m |
| FALKENBERG/Morup ESGF 565817N 0122321E (*) 36 | 09/27 | 700x30 | Grass | Yes | 100LL | 123.350 | Non-licensed AD Falkenbergs flygklubb +46 (0)346 944 80 +46 (0)346 943 13 |
| FALKÖPING ESGK Details, see AD 2 | 04/22 | 1316x30 | ASPH | Yes | AFIS O/R | Yes | Licensed instrument AD Municipal |
| FJÄLLBACKA ESTF 583749N 0111813E (*) 1.5 NM NNE 6 | 06/24 | 800x30 | Grass | Yes | 100LL | 123.200 | Licensed AD Municipal Tanums Kommun +46 (0)525 180 00 (Exch) +46 (0)525 106 65, +46 (0)70 512 49 35, Fax +46 (0)525 616 17 PPR 1 SEP - 30 APR |
| GAGNEF ESVG 603303N 0150441E (*) 2.7 NM S 575 | 08/26 | 600x30 | Grass | No | – | 123.550 | Non-licensed AD Gagnef-Mockfjärds flygklubb +46 (0)241 511 40, +46 (0)70 590 40 76 Right hand traffic circuit to RWY 08. |
| GARGNÄS ESUG 651819N 0175832E (*) 0.3 NM SE 980 | 17/35 | 940x30 | Grass | No | 100LL | 123.450 | Non-licensed AD Municipal +46 (0)952 211 42, +46 (0)70 313 38 89 THR 17 displaced 50 m THR 35 displaced 90 m |

| AERODROME Location Indicator Coordinates (ARP) Location Elevation (ft) | RWY | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner TEL Fax Regulations and restrictions Remarks |
|--|----------------|-------------------|---------|-------|----------------------|----------------------|---|
| GRYTTJOM ESKG 601710N 0172546E (*) 4.5 NM SW Tierp 105 | 18/36 | 900x30 | Grass | No | 91 Jet A1 | 123.400 | Non-licensed AD Stockholms fallskärmsklubb TEL/Fax +46 (0)293 500 60, +46 (0)293 502 51 Right hand traffic circuit to RWY 36. MAY-OCT intensive parachute jumping. Rough RWY surface |
| GRÖNHÖGEN ESTG 561630N 0162512E (*) 0.5 NM N 6 | 01/19 | 800x30 | Grass | No | - | 123.450 | Non-licensed AD Private +46 (0)485 66 59 95, Fax +46 (0)485 66 59 99 PPR |
| GÄLLIVARE ESNG Details, see AD 2 | 12/30 | 1714x45 | ASPH | Yes | AFIS | Yes | Licensed instrument AD Municipal |
| GÄVLE ESSK Details, see AD 2 | 18/36 | 2000x45 | ASPH | Yes | AFIS | Yes | Licensed instrument AD Municipal OPR Gestrike Airport |
| GÖTEBORG/Landvetter ESGG Details, see AD 2 | 03/21 | 3299x45 | ASPH | Yes | TWR | Yes | Licensed instrument AD The LFV Group |
| GÖTEBORG/Säve ESGP Details, see AD 2 | 01/19 02/22 | 2039x45 871x30 | ASPH | Yes | TWR | Yes | Licensed instrument AD Municipal OPR: Cityflygplatsen i Göteborg AB |
| GÖTENE/Brännebrona ESGN 583443N 0133638E (*) 4.3 NM NE Götene 259 | 12/30 | 600x40 | Grass | No | 91/96 | 123.400 | Non-licensed AD Brännebrona flygklubb +46 (0)511 532 84, +46 (0)70 798 19 94 |
| HAGFORS ESOH Details, see AD 2 | 18/36 | 1509x30 | ASPH | Yes | AFIS | Yes | Licensed instrument AD Municipal |
| HAGSHULT ESMV 571732N 0140814E (*) 7 NM NNE Värnamo 555 | 04/22 | 2050x40 | ASPH | Yes | - | 132.250 | MIL non-licensed AD Swedish Armed Forces +46 (0)457 47 10 00 PPR Ronneby ATS TEL +46(0)457 201 95 |
| HALLVIKEN ESNA 634418N 0152732E (*) 8 NM SSW Strömsund 1119 | 14/32 | 1000x20 | ASPH | No | 100LL 91/96 UL | 123.550 | Non-licensed AD Municipal +46 (0)670 400 86 THR 14 displaced 200 m. |

| AERODROME Location Indicator Coordinates (ARP) Location Elevation (ft) | RWY | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner TEL Fax Regulations and restrictions Remarks |
|--|----------------|-------------------|---------------|-----------|-------------|----------------------|---|
| MELLANSEL ESUI 632331N 0181914E (*) 13 NM NW Örnköldsvik 265 | 09/27 | 795x35 | Grass | No | 91/96 | 123.400 | Non-licensed AD Mellansels flygklubb +46 (0)660 910 54, +46 (0)660 922 00 Further 235 m available in emer- gency when landing RWY 27. |
| MOHED ESUM 611728N 0165047E (*) 6 NM W Söderhamn 215 | 12/30 | 800x30 | ASPH | Yes | 100LL | 123.600 | Non-licensed AD Municipal +46 (0)270 42 54 56, +46 (0)70 661 06 11 |
| MORA/Siljan ESKM Details, see AD 2 | 16/34 | 1814x45 | ASPH | Yes | AFIS | Yes | Licensed instrument AD Municipal |
| MUNKFORS ESKO 594756N 0132926E (*) 1.6 NM S 279 | 03/21 | 700x40 | Grass | No | 100LL | – | Non-licensed AD Munkfors flygklubb +46 (0)552 303 89 (AD) +46 (0)563 510 74 Hangar |
| NORRKÖPING /Kungsängen ESSP Details, see AD 2 | 09/27 11/29 | 2203x45 600x35 | ASPH Grass | Yes | TWR | Yes | Licensed instrument AD Municipal |
| NORRTÄLJE ESSN 594358N 0184147E (*) 1.6 NM S 40 | 07/25 | 650 x 18 | ASPH | No | 100LL | 123.325 | Non-licensed AD Roslagens flygklubb +46 (0)176 163 08, +46 (0)176 167 77 Right hand traffic circuit to RWY 07. PPR 15 APR–15 NOV TUE–WED 0600–1100. |
| OPTAND ESNM 630731N 0144830E (*) 5 NM SE Östersund 1236 | 18/36 15/33 | 1000x18 750x40 | ASPH Grass | Yes No | 100LL | 123.550 | Non-licensed AD Östersunds flygklubb +46 (0)63 352 45, +46 (0)63 51 01 50 Right hand traffic circuit to RWY 33 and 36. Situated near restricted area ESR08C. |
| ORSA ESNR 611132N 0144309E (*) 1 NM WNW Mässbacken 683 | 03/21 | 1000x30 | ASPH | No | 100LL | 123.400 | Non-licensed AD Orsa Tallhed Flygsällskap +46 (0)250 55 01 47 +46 (0)70 548 13 81 +46 (0)70 638 10 70 Grass area for gliding and ultra light activity only. PPR |
| OSKARSHAMN ESMO Details, see AD 2 | 01/19 | 1500x30 | ASPH | Yes | AFIS | Yes | Licensed instrument AD Municipal |
| OVIKEN ESUO 630230N 0140005E (*) 1640 | 18/36 | 900x40 | Grass | No | 91/96 | 123.150 | Non-licensed AD Gräftåvallens flygklubb +46 (0)70 605 95 55 PPR Hangar |

| AERODROME Location Indicator Coordinates (ARP) Location Elevation (ft) | RWY | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner TEL Fax Regulations and restrictions Remarks |
|--|--------------------|------------------|---------------|-------|-----------------|----------------------|---|
| PAJALA ESUP Details, see AD 2 | 11/29 | 1420x30 | ASPH | Yes | AFIS | Yes | Licensed instrument AD Municipal |
| PITEÅ ESNP 652354N 0211539E (*) 8 NM NW 43 | 16/34 | 1000x25 | ASPH | Yes | 100LL Jet A1 | 123.550 | Non-licensed AD Piteå flygklubb +46 (0)911 623 15, +46 (0)70 687 38 64 PPR |
| RAMSELE ESUR 632925N 0162901E (*) | 14/32 | 740x30 | Grass | No | 100LL 91/96 | – | Non-licensed AD Ramsele flygklubb +46 (0)623 200 05, +46 (0)623 320 18 THR 14 displaced 50 m. |
| RONNEBY, F17 ESDF Details, see AD 2 | 01/19 | 2331x40 | ASPH | Yes | TWR | Yes | MIL licensed instrument AD Swedish Armed Forces CIV OPR The LFV Group |
| RÅDA ESFR 582953N 0130317E (*) 230 | 18/36 | 2000x35 | ASPH | Yes | – | – | MIL non-licensed AD Swedish Armed Forces +46 (0)510 870 00 (F7) PPR Permission will be granted in exceptional cases only. |
| SANDVIK ESFS 570406N 0165151E (*) 16 NM NNE Borgholm 36 | 17/35 | 600x25 | Grass | No | No | 123.450 | Non-licensed AD +46 (0)485 489 30 +46 (0)70 548 42 80 PPR Available APR–SEP |
| SILJANSNÄS ESVS 604706N 0144938E (*) 1 NM NW 611 | 14R/32L 14L/32R | 850x16 850x35 | ASPH Grass | No | 100LL 91/96 | 123.550 | Non-licensed AD Siljansnäs flygklubb +46 (0)247 228 80, +46 (0)247 228 51 Hangar |
| SKELLEFTEÅ ESNS Details, see AD 2 | 10/28 | 2100x45 | ASPH | Yes | TWR | Yes | Licensed instrument AD The LFV Group |
| SKÖVDE ESGR Details, see AD 2 | 01/19 | 1736x30 | ASPH | Yes | AFIS | Yes | Licensed instrument AD Municipal |
| SMÅLANDSSTENAR ESMY 571007N 0132624E (*) 540 | 04/22 | 800x15 | ASPH | No | 100LL | 123.200 | Non-licensed AD AB Varmförzinkning +46 (0)371 343 00, +46 (0)70 422 20 00 PPR After take-off RWY 22 turn right immediatly, climb on track 235° to MNM 1000 ft GND or during MNM 1 minute before commencing turn. |
| SOLLEFTEÅ ESNB 631016N 0165908E (*) 2.4 NM WSW 433 | 14/32 | 820x30 | ASPH | Yes | 91/96 | 122.350 | Non-licensed AD Municipal +46 (0)620 214 00, +46 (0)620 216 81 |

| AERODROME Location Indicator Coordinates (ARP) Location Elevation (ft) | RWY | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner TEL Fax Regulations and restrictions Remarks |
|--|-----------------------------|-------------------------------|--|-----------------|----------------|----------------------|--|
| STOCKHOLM/Arlanda ESSA Details, see AD 2 | 01L/19R 01R/19L 08/26 | 3301x45 2500x45 2500x45 | CONC/ ASPH ASPH CONC/ ASPH | Yes | TWR | Yes | Licensed instrument AD The LFV Group |
| STOCKHOLM/Barkarby ESKB 592444N 0175322E (*) 50 | 06/24 | 990x40 | ASPH | Yes | 100LL 91/96 | 123.550 | Non-licensed AD Barkarby flygklubb Answerphone +46 (0)8 752 83 80 Right hand traffic circuit to RWY 24. IFR departure see AD 2 ESSB para 2.22. TGL with helicopter not permitted. ATZ established, ref AD 1.1.9 |
| STOCKHOLM/Bromma ESSB Details, see AD 2 | 12/30 | 1668x45 | ASPH | Yes | TWR | Yes | Licensed instrument AD The LFV Group |
| STOCKHOLM/Skavsta ESKN Details, see AD 2 | 08/26 16/34 | 2878x45 2039x40 | ASPH | Yes | TWR | Yes | Licensed instrument AD Private OPR Stockholm/Skavsta flygpl. AB |
| STOCKHOLM/Skå-Edeby ESSE 592042N 0174426E (*) 10 NM W 17 | 03/21 11/29 | 650x65 800x50 | Grass | No | 100LL | 123.200 | Non-licensed AD Municipal +46 (0)705 48 85 85 PPR Answerphone +46 (0)8 560 405 74 Helicopter traffic not accepted except police and rescue operations. ATZ established, ref AD 1.1.9 Hangar and Repair |
| STOCKHOLM/Västerås ESOW Details, see AD 2 | 01/19 | 2581x46 | ASPH | Yes | TWR | Yes | Licensed instrument AD Municipal OPR Västerås Flygplats AB |
| STORUMAN ESUD Details, see AD 2 | 15/33 | 2283x40 | ASPH/ CONC | Yes | AFIS | Yes | Licensed instrument AD Municipal OPR Storuman Flygplats AB |
| STORVIK/Lemstanäs ESOL 603516N 0163512E (*) 210 | 06/24 | 620x23 | ASPH | No | 100LL | 123.550 | Non-licensed AD Västra Gästrike flygklubb +46 (0)290 375 97 Right hand traffic circuit to RWY 06. THR 06 displaced 150 m. |
| STRÖMSTAD/Nälinge ESGS 590101N 0112037E (*) 7 NM NE 115 | 03/21 | 906x35 | Grass | Yes | 100LL | 123.550 | Licensed AD Municipal +46 (0)526 190 00 (Exch) +46 (0)526 311 37, +46 (0)526 312 30 PPR |
| SUNDBRO ESKC 595522N 0173212E (*) 5 NM NW Uppsala 62 | 03/21 06/24 14/32 | 630x40 500x40 435x40 | Grass Grass Grass | Yes No No | 100LL 91/96 | 123.350 | Non-licensed AD Municipal +46 (0)18 35 70 13 Situated within Uppsala CTR. Right hand traffic circuit to RWY 03 and 06. TKOF RWY 06: Climb on 045° MAG for 1 min until turn. TKOF RWY 21: Climb on 220° MAG. PCL on freq 123.350 MHz for 10 sec duration. |

| AERODROME Location Indicator Coordinates (ARP) Location Elevation (ft) | RWY | Dimensions (m) | Surface | Light | ATS Fuel | COM FREQ (MHz) | Category Owner TEL Fax Regulations and restrictions Remarks |
|--|----------------|--------------------|---------|-------|----------------|----------------------|--|
| SUNDSVALL-HÄRNÖSAND ESNN Details, see AD 2 | 16 34 | 1950x45 1940x45 | ASPH | Yes | TWR | Yes | Licensed instrument AD The LFV Group |
| SUNNE ESKU 595137N 0130646E (*) 1.5 NM NW 380 | 01/19 | 770x100 | Grass | No | 100LL | 123.200 | Non-licensed AD Municipal +46 (0)565 101 11, +46 (0)565 77 01 55, +46 (0)70 373 05 66 THR 01 displaced 130 m. |
| SVEG ESND Details, see AD 2 | 09/27 | 1702x30 | ASPH | Yes | AFIS O/R | Yes | Licensed instrument AD Municipal |
| SÅTENÄS, F7 ESIB Details, see AD 2 | 01/19 11/29 | 2264x40 1933x40 | ASPH | Yes | TWR | Yes | MIL Licensed instrument AD Swedish Armed Forces |
| SÄFFLE ESGY 590528N 0125730E (*) 2.7 NM S 151 | 01/19 | 870x50 | Grass | No | 100LL 91/96 | 123.600 | Licensed AD Private Säffle flygklubb +46 (0)533 180 29, +46 (0)532 181 31, +46 (0)70 678 17 71 THR 19 displaced 180 m. |
| SÖDERHAMN ESNY Details, see AD 2 | 12/30 | 2524x40 | ASPH | Yes | TWR | Yes | Licensed instrument AD Municipal |
| SÖVDEBORG ESMI 553554N 0134038E (*) 2 NM SSW Sjöbo 118 | 12/30 | 800x50 | Grass | Yes | 100LL | 123.650 | Licensed AD Municipal +46 (0)416 160 51, +46 (0)416 160 28 For powered aircraft right hand traffic circuit when RWY 30 is in use. For gliders right hand traffic circuit when RWY 12 is in use. APR-NOV extensive winch launching of gliders. |
| TIDAHOLM/Bämmelshed ESGD 581131N 0135944E (*) 456 | 04/22 | 675x50 | Grass | No | 91/96 | 123.650 | Non-licensed AD Tidaholms flygklubb +46 (0)502 330 84, +46 (0)70 833 08 41 Right hand traffic circuit to RWY 22. Downdraft may occur when easterly winds. |
| TIERP ESKT 602042N 0172519E (*) 2.7 NM W Tierp 129 | 16/34 | 1000x35 | ASPH | No | 91/96 | 123.400 | Non-licensed AD Municipal OPR: Tierps flygplatsförening +46 (0)293 540 35 Norra Upplands flygklubb +46 (0)70 336 99 10 Right hand traffic circuit to RWY 34. |
| TOMELILLA ESTO 553232N 0140000E (*) 1.5 NM E 220 | 09/27 | 840x30 | Grass | No | 100LL | 123.650 | Non-licensed AD HB Tomelilla Airport +46 (0)417 51 11 96, +46 (0)417 320 30 PPR |