

# ESSA - Stockholm - Stockholm Arlanda

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## Airport details

|             |                    |
|-------------|--------------------|
| State       | Stockholms län     |
| Country     | Sweden             |
| Region      | ES                 |
| Elevation   | 137ft (42m)        |
| Timezone    | GMT +1             |
| Coordinates | 59.65194, 17.91861 |
| Type        | land               |
| ICAO code   | ESSA               |
| IATA code   | ARN                |
| FAA code    | n/a                |

## Runway info

|                  |                        |
|------------------|------------------------|
| Runway 01L / 19R |                        |
| length           | 3296m (10814ft)        |
| bearing          | 20° / 200°             |
| width            | 45m (148ft)            |
| surface          | concrete               |
| Runway 08 / 26   |                        |
| length           | 2493m (8179ft)         |
| bearing          | 83° / 263°             |
| width            | 45m (148ft)            |
| surface          | concrete               |
| Runway 01R / 19L |                        |
| length           | 2496m (8189ft)         |
| bearing          | 20° / 200°             |
| width            | 45m (148ft)            |
| surface          | asphalt                |
| blast zone       | 59m (194ft) / 0m (0ft) |

## Communication

|                            |         |
|----------------------------|---------|
| Stockholm Arlanda ATIS     | 121.625 |
| Stockholm Arlanda ATIS     | 121.625 |
| Stockholm Arlanda ATIS     | 121.625 |
| Stockholm Arlanda ATIS     | 121.625 |
| Stockholm Arlanda CLNC DEL | 121.825 |
| Stockholm Arlanda CLNC DEL | 121.825 |
| Stockholm Arlanda CLNC DEL | 121.825 |
| Stockholm Arlanda CLNC DEL | 121.825 |
| Stockholm Arlanda GND W    | 121.700 |
| Stockholm Arlanda GND W    | 121.700 |
| Stockholm Arlanda GND N    | 121.925 |

|                                 |         |
|---------------------------------|---------|
| Stockholm Arlanda GND W         | 121.700 |
| Stockholm Arlanda GND W         | 121.700 |
| Stockholm Arlanda GND N         | 121.925 |
| Stockholm Arlanda GND S         | 121.975 |
| Stockholm Arlanda GND S         | 121.975 |
| Stockholm Arlanda GND N         | 121.925 |
| Stockholm Arlanda GND N         | 121.925 |
| Stockholm Arlanda GND S         | 121.975 |
| Stockholm Arlanda GND S         | 121.975 |
| Stockholm Arlanda TWR           | 118.500 |
| Stockholm Arlanda TWR           | 118.500 |
| Stockholm Arlanda TWR           | 118.500 |
| Stockholm Arlanda TWR           | 118.500 |
| Stockholm Arlanda STOCKHOLM CON | 123.750 |
| Stockholm Arlanda STOCKHOLM CON | 123.750 |
| Stockholm Arlanda Approach      | 123.750 |
| 123.750                         |         |
| Stockholm Arlanda Approach      | 123.750 |
| 123.750                         |         |
| Stockholm Arlanda STOCKHOLM CON | 123.750 |
| Stockholm Arlanda STOCKHOLM CON | 123.750 |
| Stockholm Arlanda Approach      | 123.750 |
| 123.750                         |         |
| Stockholm Arlanda Approach      | 123.750 |
| 123.750                         |         |
| Stockholm Arlanda Approach      | 123.650 |
| 126.650                         |         |
| Stockholm Arlanda Departure     | 126.650 |
| 126.650                         |         |
| Stockholm Arlanda Departure     | 123.750 |
| 123.750                         |         |
| Stockholm Arlanda Departure     | 123.750 |
| 123.750                         |         |
| Stockholm Arlanda Departure     | 123.750 |
| 123.750                         |         |
| Stockholm Arlanda Departure     | 126.650 |
| 126.650                         |         |
| Stockholm Arlanda Approach      | 123.650 |
| 126.650                         |         |
| Stockholm Arlanda Approach      | 123.650 |
| 126.650                         |         |
| Stockholm Arlanda Departure     | 126.650 |
| 126.650                         |         |
| Stockholm Arlanda Approach      | 123.650 |
| 126.650                         |         |
| Stockholm Arlanda Departure     | 126.650 |
| 126.650                         |         |
| Stockholm Arlanda Departure     | 123.750 |
| 123.750                         |         |

## Approach frequencies

|             |     |        |         |
|-------------|-----|--------|---------|
| LOC         | 08  | 109.55 | 18.00mi |
| ILS-cat-III | 01L | 109.9  | 18.00mi |
| ILS-cat-III | 01R | 109.35 | 18.00mi |
| ILS-cat-III | 19L | 111.35 | 18.00mi |
| ILS-cat-I   | 19R | 110.7  | 18.00mi |
| ILS-cat-I   | 26  | 110.1  | 18.00mi |
| 3° GS       | 01L | 109.9  | 18.00mi |
| 3° GS       | 26  | 110.1  | 18.00mi |
| 3° GS       | 19L | 111.35 | 18.00mi |
| 3° GS       | 19R | 110.7  | 18.00mi |
| 3° GS       | 01R | 109.35 | 18.00mi |

## Nearby beacons

| code | identifier                  | dist | bearing | frequency |
|------|-----------------------------|------|---------|-----------|
| ARL  | ARLANDA (STOCKHOLM) VOR/DME | 0.1  | 289.5°  | 116       |
| WA   | ARLANDA (STOCKHOLM) NDB     | 0.2  | 320.1°  | 348       |
| ASE  | (STOCKHOLM) DME             | 1.4  | 110.8°  | 114.45    |
| ANW  | (STOCKHOLM) DME             | 4.1  | 312.8°  | 112.05    |
| ASW  | (STOCKHOLM) DME             | 4.8  | 236.9°  | 113.75    |
| ANE  | (STOCKHOLM) DME             | 4.9  | 73.4°   | 113.30    |
| TEB  | TEBBY VOR/DME               | 11.2 | 112.8°  | 117.10    |
| LNA  | LENA NDB                    | 18.3 | 258.5°  | 330       |
| ERK  | ERKEN NDB                   | 19.3 | 59.7°   | 383       |
| UP   | UPPSALA NDB                 | 20.7 | 325.8°  | 366       |
| COR  | CORNER NDB                  | 26.9 | 228°    | 388       |
| HMR  | HAMMAR VOR/DME              | 40.2 | 37°     | 112.60    |
| TRS  | TROSA VOR/DME               | 44.7 | 210.2°  | 114.30    |
| PEO  | SKAVSTA (STOCKHOLM) NDB     | 57.9 | 225.6°  | 398       |

## Departure and arrival routes

Transition altitude 5000ft

| SID end points | distance | outbound direction |
|----------------|----------|--------------------|
| RW01L          |          |                    |
| RESN4C         | 43.0     | 8°                 |
| TOVR5C         | 26.3     | 83°                |
| MENG2C, BABA4C | 27.7     | 106°               |
| TRS5C          | 44.7     | 210°               |
| NOSL5C         | 40.2     | 229°               |
| PETE1C         | 38.4     | 244°               |
| KOGA4C         | 33.1     | 302°               |
| RW01R          |          |                    |
| RESN3B         | 43.0     | 8°                 |
| TOVR4B         | 26.3     | 83°                |
| BABA3B         | 27.7     | 106°               |

|       |                |      |      |
|-------|----------------|------|------|
| RW08  | TRS4B          | 44.7 | 210° |
|       | NOSL4B         | 40.2 | 229° |
|       | PETE1B         | 38.4 | 244° |
|       | KOGA3B         | 33.1 | 302° |
| RW19L | RESN3L, LUMA5R | 43.0 | 8°   |
|       | TOVR4L, TOVR4R | 26.3 | 83°  |
|       | BABA3R, BABA3L | 27.7 | 106° |
|       | TRS5L, GALN3R  | 44.7 | 210° |
|       | DIGL3R, NOSL5L | 40.2 | 229° |
|       | PETE1L, ABEN3R | 38.4 | 244° |
|       | TALE5R, KOGA3L | 33.1 | 302° |
| RW19R | LUMA5Q         | 43.0 | 8°   |
|       | TOVR4E         | 26.3 | 83°  |
|       | BABA3E         | 27.7 | 106° |
|       | TRS5E, GALN5Q  | 44.7 | 210° |
|       | NOSL5E, DIGL5Q | 40.2 | 229° |
|       | PETE1E, ABEN5Q | 38.4 | 244° |
|       | TALE5Q         | 33.1 | 302° |
| RW26  | RESN5G         | 43.0 | 8°   |
|       | TOVR5G         | 26.3 | 83°  |
|       | BABA4G         | 27.7 | 106° |
|       | TRS5G          | 44.7 | 210° |
|       | NOSL5G         | 40.2 | 229° |
|       | PETE1G         | 38.4 | 244° |
|       | KOGA5G         | 33.1 | 302° |
| RW26  | RESN3K         | 43.0 | 8°   |
|       | TOVR4K         | 26.3 | 83°  |
|       | BABA3K         | 27.7 | 106° |
|       | TRS3K          | 44.7 | 210° |
|       | NOSL3K         | 40.2 | 229° |
|       | PETE1K         | 38.4 | 244° |
|       | KOGA3K         | 33.1 | 302° |

| STAR starting points | distance | inbound direction |
|----------------------|----------|-------------------|
|----------------------|----------|-------------------|

RW01 (ALL)

|        |      |      |
|--------|------|------|
| NILU2M | 50.2 | 2°   |
| ELTO7M | 29.9 | 101° |
| HMR5M  | 40.2 | 217° |
| XILA4M | 35.1 | 270° |

RW01L

|        |      |      |
|--------|------|------|
| NILU2J | 50.2 | 2°   |
| ELTO3J | 29.9 | 101° |
| HMR3J  | 40.2 | 217° |
| XILA3J | 35.1 | 270° |

## RW08

|        |      |      |
|--------|------|------|
| NILU2S | 50.2 | 2°   |
| ELTO7S | 29.9 | 101° |
| HMR5S  | 40.2 | 217° |
| XILA4S | 35.1 | 270° |

## RW19 (ALL)

|        |      |      |
|--------|------|------|
| NILU2P | 50.2 | 2°   |
| ELTO7P | 29.9 | 101° |
| HMR4P  | 40.2 | 217° |
| XILA5P | 35.1 | 270° |

## RW19R

|        |      |      |
|--------|------|------|
| NILU2N | 50.2 | 2°   |
| ELTO3N | 29.9 | 101° |
| HMR3N  | 40.2 | 217° |
| XILA3N | 35.1 | 270° |

## RW26

|                        |      |      |
|------------------------|------|------|
| NILU2T, NILU2V         | 50.2 | 2°   |
| ELTO2H, ELTO4T, ELTO3V | 29.9 | 101° |
| HMR3V, HMR4T           | 40.2 | 217° |
| XILA3V, XILA5T         | 35.1 | 270° |

## Holding patterns

| STAR name | hold at | type | turn | heading*   | altitude  | leg             | speed limit |
|-----------|---------|------|------|------------|-----------|-----------------|-------------|
| ELTO4T    | ELTOK   | VHF  | left | 285 (105)° | > 10000ft | 1.5min<br>timed | 230         |
| ELTO4T    | ERK     | FIX  | left | 38 (218)°  | > 2500ft  | 1.0min<br>timed | 230         |
| ELTO7M    | ELTOK   | VHF  | left | 285 (105)° | > 10000ft | 1.5min<br>timed | 230         |
| ELTO7M    | LNA     | FIX  | left | 259 (79)°  | > 2500ft  | 1.0min<br>timed | 230         |
| ELTO7P    | BALVI   | VHF  | left | 294 (114)° | > 2500ft  | 1.0min<br>timed | 230         |
| ELTO7P    | ELTOK   | VHF  | left | 285 (105)° | > 10000ft | 1.5min<br>timed | 230         |
| ELTO7S    | BALVI   | VHF  | left | 294 (114)° | > 2500ft  | 1.0min<br>timed | 230         |
| ELTO7S    | ELTOK   | VHF  | left | 285 (105)° | > 10000ft | 1.5min<br>timed | 230         |
| HMR4P     | ERK     | FIX  | left | 38 (218)°  | > 2500ft  | 1.0min<br>timed | 230         |
| HMR4P     | HMR     | NDB  | left | 11 (191)°  | > 10000ft | 1.5min<br>timed | 230         |
| HMR4T     | ERK     | FIX  | left | 38 (218)°  | > 2500ft  | 1.0min<br>timed | 230         |
| HMR4T     | HMR     | NDB  | left | 11 (191)°  | > 10000ft | 1.5min<br>timed | 230         |
| HMR5M     | HMR     | NDB  | left | 11 (191)°  | > 10000ft | 1.5min<br>timed | 230         |

|        |       |     |       |            |                      |                 |     |
|--------|-------|-----|-------|------------|----------------------|-----------------|-----|
| HMR5M  | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| HMR5S  | HMR   | NDB | left  | 11 (191)°  | > 10000ft            | 1.5min<br>timed | 230 |
| HMR5S  | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| NILU2M | NILUG | VHF | right | 187 (7)°   | > 10000ft            | 1.0min<br>timed | 230 |
| NILU2M | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| NILU2P | ERK   | FIX | left  | 38 (218)°  | > 2500ft             | 1.0min<br>timed | 230 |
| NILU2P | NILUG | VHF | right | 187 (7)°   | > 10000ft            | 1.0min<br>timed | 230 |
| NILU2P | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| NILU2S | NILUG | VHF | right | 187 (7)°   | > 10000ft            | 1.0min<br>timed | 230 |
| NILU2S | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| NILU2T | NILUG | VHF | right | 187 (7)°   | > 10000ft            | 1.0min<br>timed | 230 |
| NILU2T | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| XILA4M | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| XILA4M | XILAN | VHF | left  | 68 (248)°  | 10000ft -<br>24500ft | 1.5min<br>timed | 230 |
| XILA4S | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| XILA4S | XILAN | VHF | left  | 68 (248)°  | 10000ft -<br>24500ft | 1.5min<br>timed | 230 |
| XILA5P | ERK   | FIX | left  | 38 (218)°  | > 2500ft             | 1.0min<br>timed | 230 |
| XILA5P | XILAN | VHF | left  | 68 (248)°  | 10000ft -<br>24500ft | 1.5min<br>timed | 230 |
| XILA5T | TEB   | NDB | right | 177 (357)° | > 2500ft             | 1.0min<br>timed | 230 |
| XILA5T | XILAN | VHF | left  | 68 (248)°  | 10000ft -<br>24500ft | 1.5min<br>timed | 230 |

\*) magnetic outbound (inbound) holding course

## Disclaimer

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