

ENR 5.6 Bird Migration and Areas with Sensitive Fauna**1. Bird Migration****1.1 General**

Bird migration occurs during the whole year, but culminates in the periods end of March to Mid-May (spring migration) and beginning of September to Mid-November (autumn migration).

1.2 Spring migration

Spring migration culminates in the period end of March to Mid-May. Peak numbers for most species occur in April. The most important factors inducing heavy migration are a rise in temperature over Central and Western Europe, light winds, and southerly winds.

At night, migration is generally in a broad outline covering the entire country and its surrounding waters, with mean direction NNE. Most birds come from Central and Western Europe. In daylight migration tends to concentrate along guiding coasts. The most important points of concentration are:

- Skagen 57 45N 010 35E
- Fornæs 56 25N 010 55E
- North-East Fyn 55 20N 010 45E
- North and East Sjælland 56 00N 011 40E - 55 20N 012 30E

Generally the altitude of migration at night is higher than by day. At night the average altitude is about 3000-5000 FT, by day 1000-3000 FT.

1.3 Autumn migration

Autumn migration culminates in the period beginning of September to Mid-November. Peak numbers for most species occur in October. The most important factor inducing heavy migration is fall in temperature over Central and Northern Scandinavia. High intensities coincide also with winds from NNE, light winds, little cloud-over and high atmospheric pressure.

At night, migration is in a broad outline covering the entire country and its surrounding waters with mean direction south. Most birds come from southern part of Norway and southern part of Sweden. By day, migration tends to concentrate in the eastern part of Denmark and along guiding coasts. The most important points of concentration are:

- Falsterbo (southern Sweden) and Stevns
55 25N 012 50E - 55 20N 012 30E
- Gedser - Rødby 54 35N 011 55E - 54 40N 011 20E
- Skælskør 55 15N 011 18E
- South Langeland 54 45N 010 40E
- Blåvand 55 35N 008 05E

Generally the altitude of migration at night is higher than by day. At night the average altitude is about 3000-5000 FT, by day 1000-3000 FT.

1.4 Numbers of birds

At least 100 million birds passes over Denmark and its surrounding waters during autumn. Smaller passerines are dominating. Several species occur in great number and are most hazardous to aircraft, e.g. starlings, thrushes and finches. Very numerous and hazardous are also crow-birds, ducks, gulls, waders, pigeons and birds of prey, occurring with tens of thousands to several millions.

2. Areas with Sensitive Fauna

Many species of birds as well as mammals are sensitive to noise from aircraft and overflying their breeding and resting places even at a low rate may be critical.

In accordance with Regulations for Civil Aviation (BL 7-15) overflying such areas at heights below 1000 FT (300 M) shall be avoided.

The areas are shown on the ANC 1:500 000 - Denmark and other relevant aeronautical charts.

3. Reporting of Bird Strike**3.1 General**

To achieve more comprehensive statistics of Bird Strikes, the Danish Transport Authority wants to collect information about this from the civil aviation.

All pilots on flights within København FIR are therefore requested to report all cases of Bird Strike or incidents, where a risk of Bird Strike has been present.

Pilots on Danish registered aircraft are requested to report irrespective of where the event might take place.

3.2 Reporting

For use when reporting, a BIRD STRIKE REPORTING FORM has been produced.

This form may be obtained at airport offices at public airports/aerodromes or from the Danish Transport Authority.

In connection with incidents, the pilots are requested to see to that the bird or as much of the remnants as possible be collected and sent together with the Bird Strike Reporting Form - supplemented by information on the circumstances under which the incident took place - as follows:

- For incidents at EKCH and EKRK - to:
Copenhagen Airports
Airport Services Dept. Operations
Bird Strike Section
Lufthavnsboulevarden 6
DK-2770 Kastrup
Denmark
- For incidents at other Danish aerodromes - to:
The aerodrome concerned.
For addresses, see AD 2
- For incidents En Route - to:
The Danish aerodrome of destination
- For incidents on board Danish registered aircraft outside København FIR - to:
Danish Civil Aviation and Railway Authority
Carsten Niebuhrs Gade 43
DK-1577 København V
Denmark