



"The Green Booklet"

SOME MEASURES USED IN DIFFERENT
COUNTRIES FOR REDUCTION OF BIRD
STRIKE RISK AROUND AIRPORTS



BSCE 20

BIRD STRIKE COMMITTEE EUROPE
Aerodrome Working Group
4th Edition, May 1990, Helsinki

South Africa

Shotguns are used.

Soviet Union

Shooting with blank cartridge is used on some aerodromes for bird scaring. The lists of rare and endangered birds were spread among personnel that realize scaring.

Sweden

Most airports have shotguns (for birds and small game shooting) and rifles (for big game) available. Special permissions are given by the authorities, permitting shooting (of selected species) outside the open hunting season, and to use cars when hunting. The aim of the shooting is not to reduce the number of birds, but as a scaring device.

Switzerland

At Geneva and Zürich Airports shooting at single birds (gulls) is only effective when used in combination with other methods.

3.3 Use of birds**3.3.1 Falconry****Australia**

Falconry was tested and considered not cost effective for Australian conditions.

Austria

Not used.

Canada

Falconry was tested.

Czechoslovakia

At present civil aerodromes operators' attention very successfull introducing at the military airports.

is focused on a method of falconry because of its

At the airport Prague-Ruzyne a function of two executive officers breeding birds of prey was established. The officers are succesfully testing this method using hawks (*Accipiter gentilis*) and falcons (*Falco cherrug*). After hard training of the birds of prey at the airport there were registered outstanding results in displacement of

birds beyond the bounds of the airport.

This natural protection in conjunction with other methods such as gunshooting, shell crackers and bio-acoustical scaring systems brings the best results and therefore will be established gradually at all international aerodromes in Czechoslovakia.

The Federal Republic of Germany

No more application on any airport or airfield.

Finland

Not used.

France

Falconry is used only on 4 military bases with success. Two experiences have been conducted on civil airfields. Birds strike with gulls and pigeons were reduced by 75 % at Toulouse Blagnac and 5 % at Paris Charles de Gaulle the first year. But the same results in term of bird strikes were registred the next years with conventional techniques requiring full time staff for bird harassment. These techniques are therefore considered best suited to airfields; cheaper than falconry, easy to implement and don't involve responsibilities problem in case of falcon ingestion by a civil aircraft.

India

Not used.

Japan

Not used.

The Netherlands

Falconry is tested again in Amsterdam Schiphol Airport, due to the lapwings problem in combination with model aircraft. Results cannot be mentioned till now. In 1974 the Air Force stopped using falconry at Leeuwarden Airbase.

Soviet Union

Falconry was tested at some airports. At the present time falconry is used only in Pulkovo (Leningrad). Two specialists used for these purposes some goshawks. The eagle owl also was tested for analogous purposes in Tallinn airport.

United Kingdom

Falcons and hawks are used only at a few military airfields and always in conjunction with other

techniques. In most cases these birds are only permitted to fly when aircraft are not operating; eventually this will apply in all cases.

USA

Birds of prey have been judged as unsuccessful.

3.3.2 Birds mock up

3.3.2.1 Fixed

Australia

Bird carcasses and polystyrene models have been tried, but found ineffective. In addition, carcasses attract birds of prey and corvids.

Austria

Bird models are used.

Canada

Leaving dead birds near runways were used.

Czechoslovakia

Crow corpses were used with success, their corpses in a position of a bird that was attacked by a bird of prey. Effectiveness has only one-day duration. It may be used successfully only occasionally as the birds get accustomed to it very soon.

The Federal Republic of Germany

Not used.

France

Dummies have sometimes proved to be efficient but too expensive and very difficult to use.

Finland

Experiments with bird corpses have been made with poor results.

Israel

The suspension of "scare models" was used.

Italy

Not used.

Japan

Not used.