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ICAO Document 9137 New and Improved

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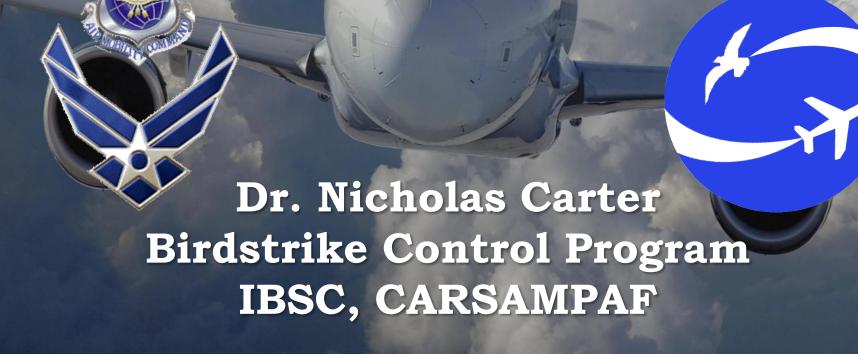
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Airport Services Manual Part 3

Wildlife Control and Reduction

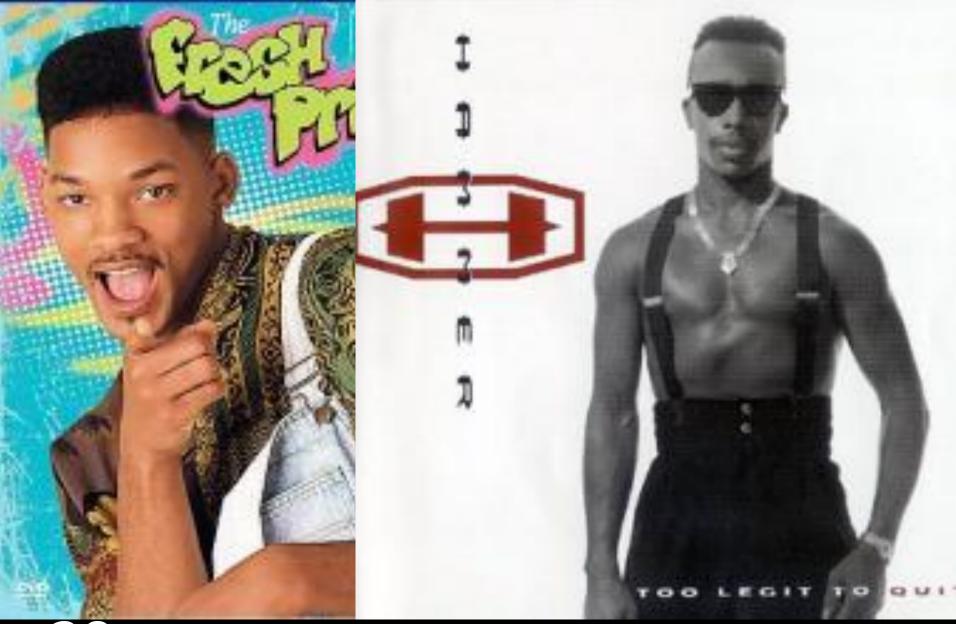
Fourth Edition - 2011

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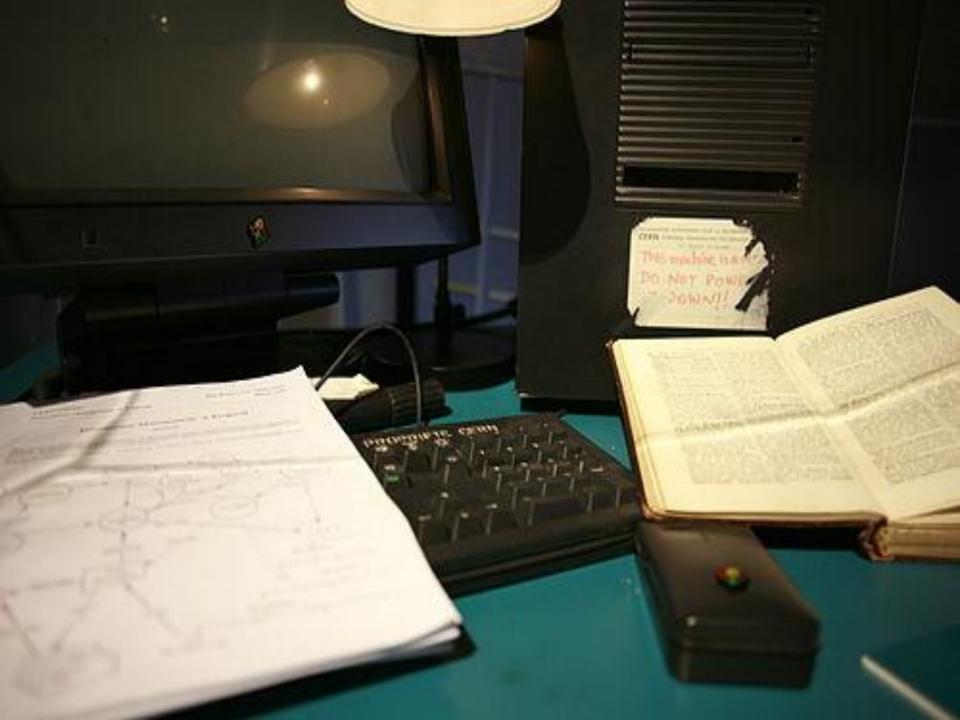
20 years ago...















Overview

Reviewed by 10 birdstrike experts from all parts of the world (expanded to 16 for final draft)

Took about two years to complete review

Overview

Contains 39 pages

FAA manual + 362 pages Control

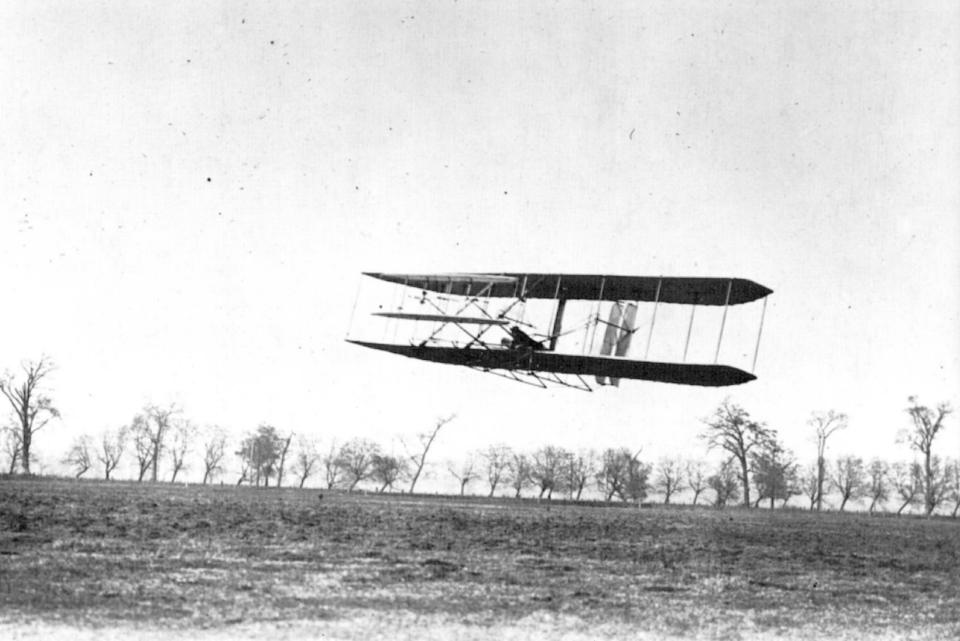
Procedures Manual

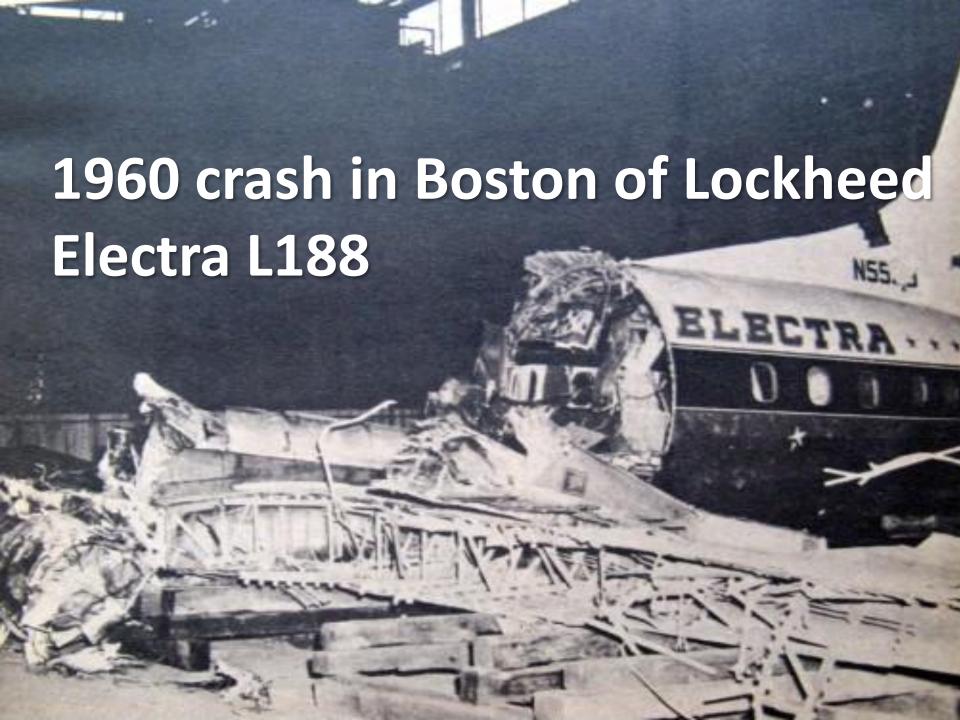
Transport Canada – 270 pages





Contents







National Committees

Composition Roles/Responsibilities





BIRD STRIKE REPORTING FORM

Send to:

Operator	0	/02 Effect on Flight	
Aircraft Make/Model	0	/04 none	□B2
Engine Make/Model		noo aborted take-ofj	□B3
Aircraft Registration		precautionary landing	□B4
Date day month year		engines shut down	□ 85
Local time		other (specify)	□86
dawn □ A day □ B dusk □ C night □ □			
Aerodrome Name		Sky Condition 37	
Runway Used		no cloud	□ A
Location if En Route		some cloud	□B
Height AGL ft 15		overcast	□C
Speed (IAS) kt 16			
Phase of Flight 17		Precipitation	
parked □A en rout	te 🗆	fog	□ 88
taxi 🗅 descei	nt 🗆	rain	□39
take-offrun □: approac	ch 🗆	snow	□ 40
climb 🖽 landing ro	oll 🗆	ĺ	
Part(s) of Aircraft		Bird Species*	41
Struck Da	maged		
radome 🗆 18		Number of Birds	
windshield □ 19			Seen 42 Struck 43
nose (excluding above) 🗆 20		1	
engine no. 1 🗆 21		2-10	В В
2 🗆 22		11-100	DC DC
3 □ 23		more	
4 □ 24			
propeller □ 25			
wing/rotor □ 26			



Risk Assessment

Species Group	Overall Risk Ranking	Relative Hazard Percentage
Canada Geese	4.1	100
Snow Geese	2	94
Seagulls (all species)	3	8
Ducks	4	
Vultures	5	5
Flocking Birds*	6	4
Raptors	7	
Egrets/Herons	8	
Crows	9	
Songbirds	10	
Shorebirds	11	
Kestrels	12	<1
Owls	13	Ca 4 <1 1 = 2
Swallows	14	
Groundhogs	15	<1
Deer	16	<1
Foxes	17	
Rabbits	18	

^{*} Flocking birds consists of species such as red-winged blackbirds, starlings, grackles, etc.

Staff Training







Aircraft Operator Duties











Typical Attractants

Food

Water

Shelter





Chemical Repellants









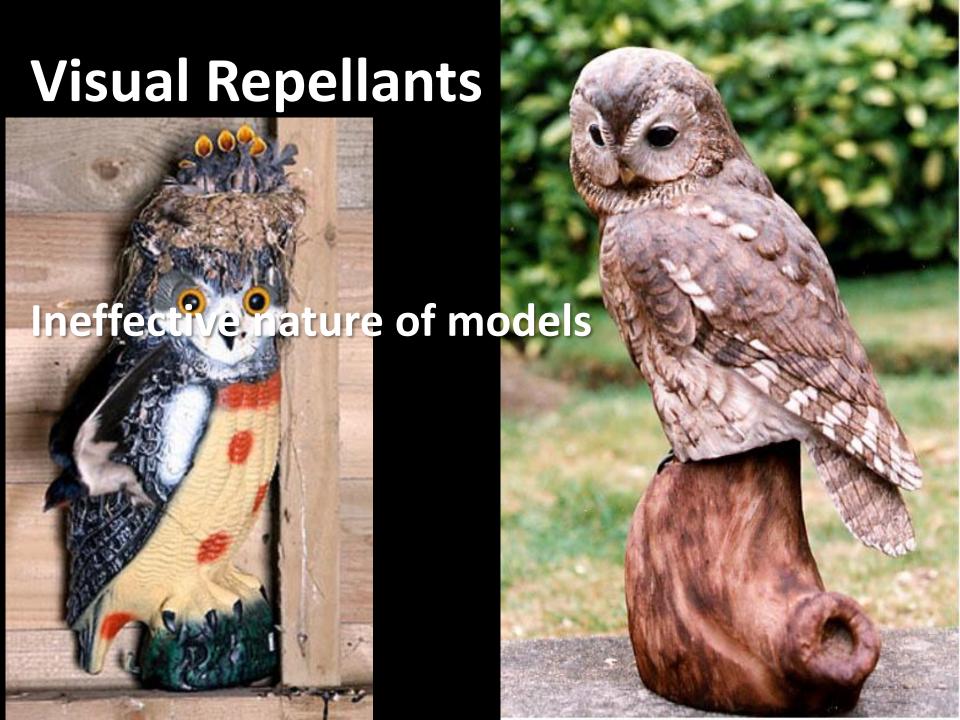
Auditory Devices

Gas Cannons
Distress Calls



Auditory Devices

















Best Practices



International Birdstrike Committee

Recommended Practices No. 1

Standards For Aerodrome Bird/Wildlife Control

Incompatible Land Use



ICAO Doc 9184 (Part 2)

Airport Planning Manual

Part 2 Land Use and Environmental Control

Approved by the Secretary General and published under his authority

Third Edition - 2002

International Civil Aviation Organization

Evaluating Wildlife Program



14 Basic Questions

- 1. Is there a wildlife control officer responsible for the management of wildlife on the airport?
- 2. Has a land use plan been established with regard to effective land use on and off airport as it pertains to the wildlife control programme?
- 3. What ecological measures are implemented to reduce wildlife attractiveness at the airport and in the vicinity?
- 4. Is there a habitat management programme on the airport?
- 5. Are garbage dumps forbidden around the airport? At what distance?
- 6. Is the airport fence suitable to prevent hazardous animal incursions?
- 7. Which scaring methods are implemented at the airport?



Emerging Technologies





USA/Canada Birdstrike Conference 2011



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