

Project AS 09/17 Advisory Circular - Update **Wildlife Hazard Management at Aerodromes**

Darren Angelo, Aerodrome Inspector, CASA



safe skies for all

Presentation Overview

- Introduction and background
- Regulatory Context (CASR Part 139)
- Aim of AC
- Project progress summary
- Resources and acknowledgements
- Structure of the AC

Presentation Overview

- Intended features
- AC in context
- Consultation
- The future
- Questions

The challenge

- Inconsistent reporting to the ATSB
- Variation in the assessment and mitigations of the local Wildlife Hazard risk
- National variation in risk mitigation
- Variation in development approval decisions by government and habitat management practices in the vicinity of aerodromes

Opportunity

- Two thirds of all wildlife strikes (reported to ATSB) occur at or in the vicinity of aerodromes
- Any improvement in risk mitigation by aerodrome operators (and their communities) therefore has the opportunity to make a proportionately large impact

Advisory Circulars

*“...are intended to provide **advice and guidance** to illustrate a means, but not necessarily the only means, of complying with the Regulations, or to explain certain regulatory requirements by providing informative, interpretative and explanatory material.”*

Why an Advisory Circular?

- Regulations and standards are already in place
- Any changes to regulations/standards require approval in Australia from Parliament
- Advisory Circulars are CASA drafted and therefore can be maintained more easily
- Allows some flexibility over how industry can achieve the desired 'outcome'

Regulatory Context

Types of Aerodromes in Australia:



Certified



Aeroplane
Landing Area

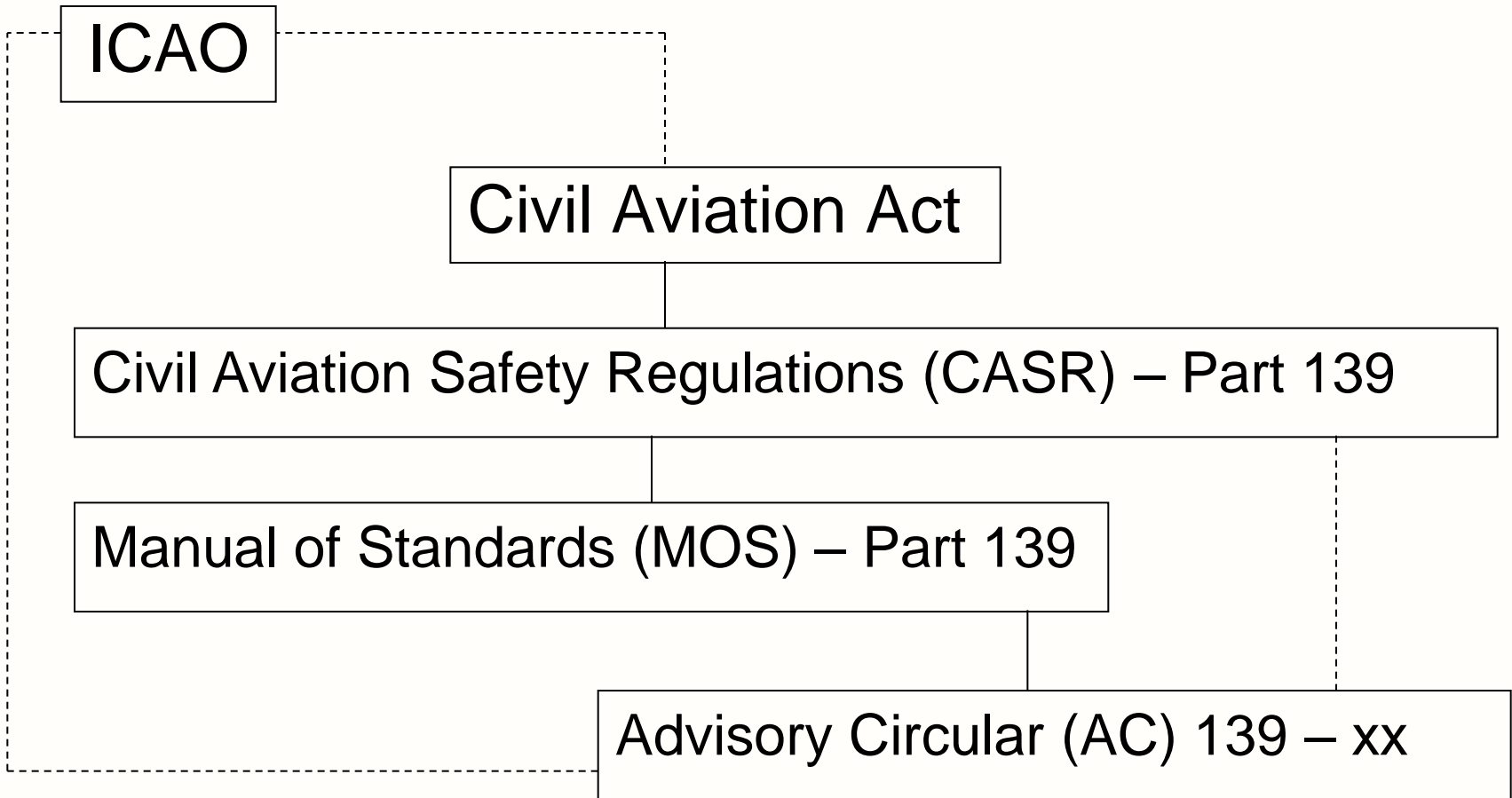


Registered

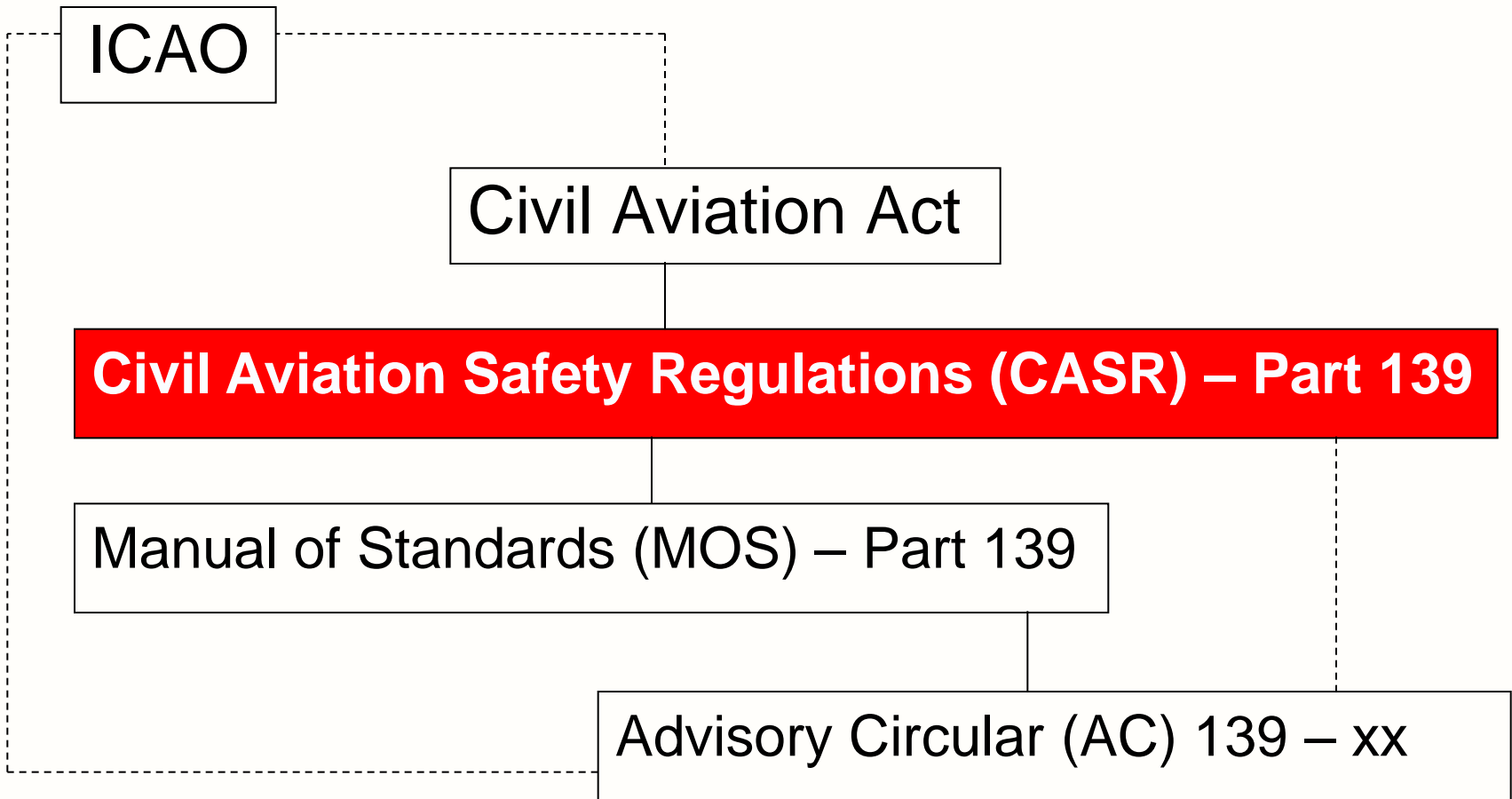


'Certain other'

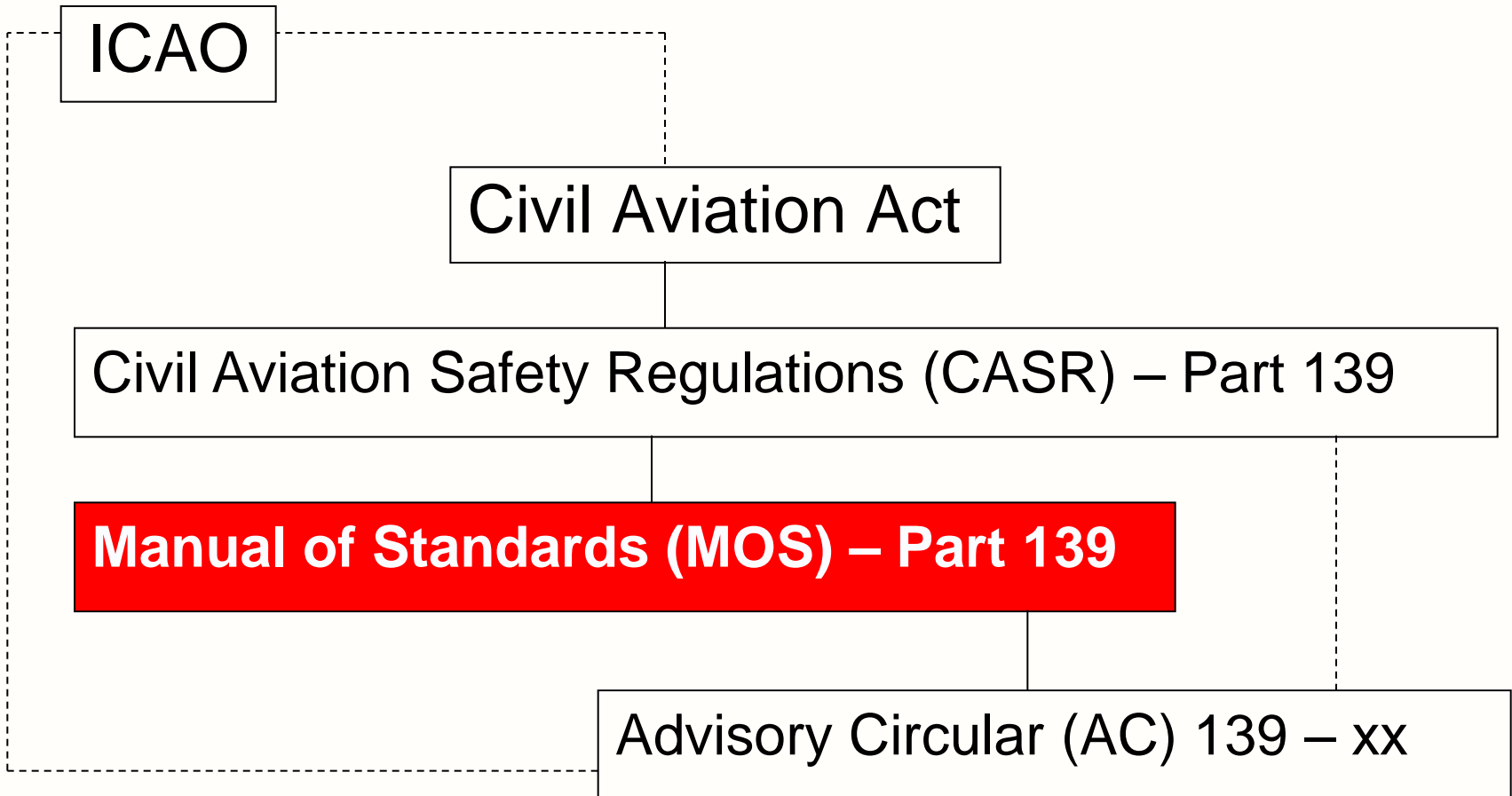
Regulatory Context



Regulatory Context



Regulatory Context



Aim of Project AS 09/17

- Standardisation of definitions
- Standardisation of reporting protocols
- Provide guidance material to aerodrome operators in managing wildlife hazards
- Attempt to capture ICAO recommendations
- Provide external links to useful tools and resources

Project progress summary

Project Approved:	October 2009
Initial drafting:	October 2009 – August 2010
Consultative Drafts:	August – September 2010
First Public Draft:	October 2010 (provisional)
Final drafting	4 th Qtr 2010 (provisional)
Publication:	January 2011 (provisional)

Sources of information

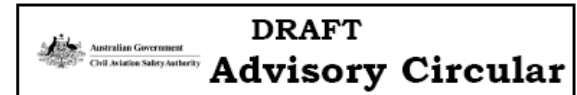
- **CASA: Manual Of Standards Part 139**
- **ICAO: Annex 14, ASM Part 3**
- **AAWHG: Policies and online documentation**
- **IBSC: Recommended practices No. 1**
- **FAA: Certalert No. 09-10; AC 150/2500-36**

Acknowledgements

- CASA staff from Airways and Aerodromes
- AAWHG

AC Structure

- References
- Purpose
- Definitions / Acronyms
- General



AC 139- xx(0)

JANUARY 2011

WILDLIFE HAZARD MANAGEMENT AT AERODROMES

CONTENTS	1. REFERENCES
1. References	1 1.1 This Advisory Circular (AC) should be read in conjunction with:
2. Purpose	1
3. Status of this Advisory Circular	1 • Civil Aviation Safety Regulation Part 139 – Aerodromes
4. Definitions	2 • Manual of Standards Part 139 – Aerodromes
5. General	3 • Transport Safety Investigation Regulations 2003.
6. Wildlife Hazard Management at Certified Aerodromes	3
7. Wildlife Hazard Management at Registered Aerodromes	5 2. PURPOSE
8. Wildlife Hazard Monitoring and Assessment	6 2.1 The purpose of this Advisory Circular is to provide general information and advice for the management of wildlife hazards at aerodromes.
9. Wildlife Hazard Treatment	7
10. Reporting Requirements for Certified and Registered Aerodromes	8 3. STATUS OF THIS ADVISORY CIRCULAR
11. Further Information	9 3.1 This is the first Advisory Circular on the subject of Wildlife Hazard Management at Aerodromes.

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Where an AC is referred to in a 'Note' below the regulation, the AC remains as guidance material. ACs should always be read in conjunction with the referenced regulations.

Draft only: January 2011

AC Structure

- Wildlife Hazard Management at Certified Aerodromes
- Wildlife Hazard Management at Registered Aerodromes
- Wildlife Hazard Monitoring and Assessment



AC 139- xx(0)

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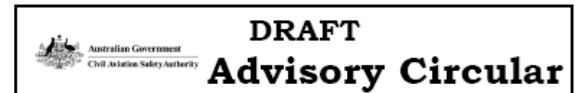
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AC Structure

- Wildlife Hazard Treatment
- Reporting requirements
- Further information



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Intended AC features

- Consistent Definitions
- Risk management approach aligned with Aerodrome SMS (Certified Aerodromes)
- Triggers provided for when a Wildlife Hazard Management Plan is required (Certified Aerodromes)

Intended AC features

- Recommendation for a simplified Wildlife Hazard Management Plan in the form of written procedures (Registered Aerodromes)
- Expectations on aerodrome operator with regard to wildlife hazards in the 'aerodrome vicinity'

Intended AC features

- Clarification of Wildlife Hazard Monitoring and Assessment
- Monitoring in the 'Aerodrome Vicinity'
- Guidelines for treatment

Intended AC features

- Reporting requirements
- Further information to 'link out' to sources outside the scope of CASR Part 139

AC in the context of wildlife risk



AERODROME

AC in the context of wildlife risk

**INCOMPATIBLE
LAND USES
AFFECTING
AERODROME**

AERODROME

AC in the context of wildlife risk

**INCOMPATIBLE
LAND USES
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**AIRCRAFT
DESIGN**

AERODROME

AC in the context of wildlife risk

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REPORTING

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**AIRCRAFT
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REPORTING

**OTHER
WILDLIFE
HAZARD
MANAGEMENT
PRACTICE**

AC in the context of wildlife risk

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**AC 139-xx
Wildlife Hazard
Management at
Aerodromes**

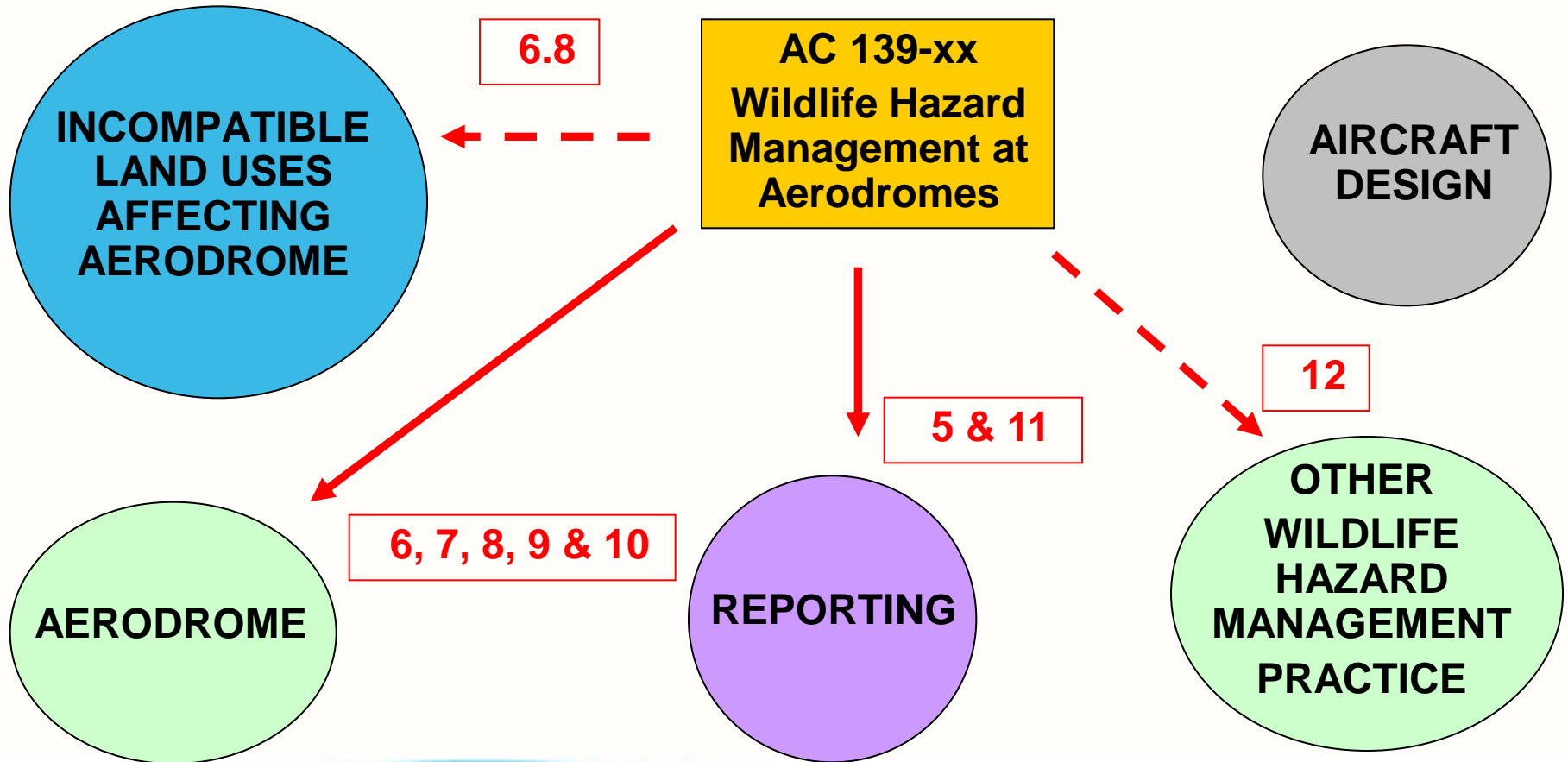
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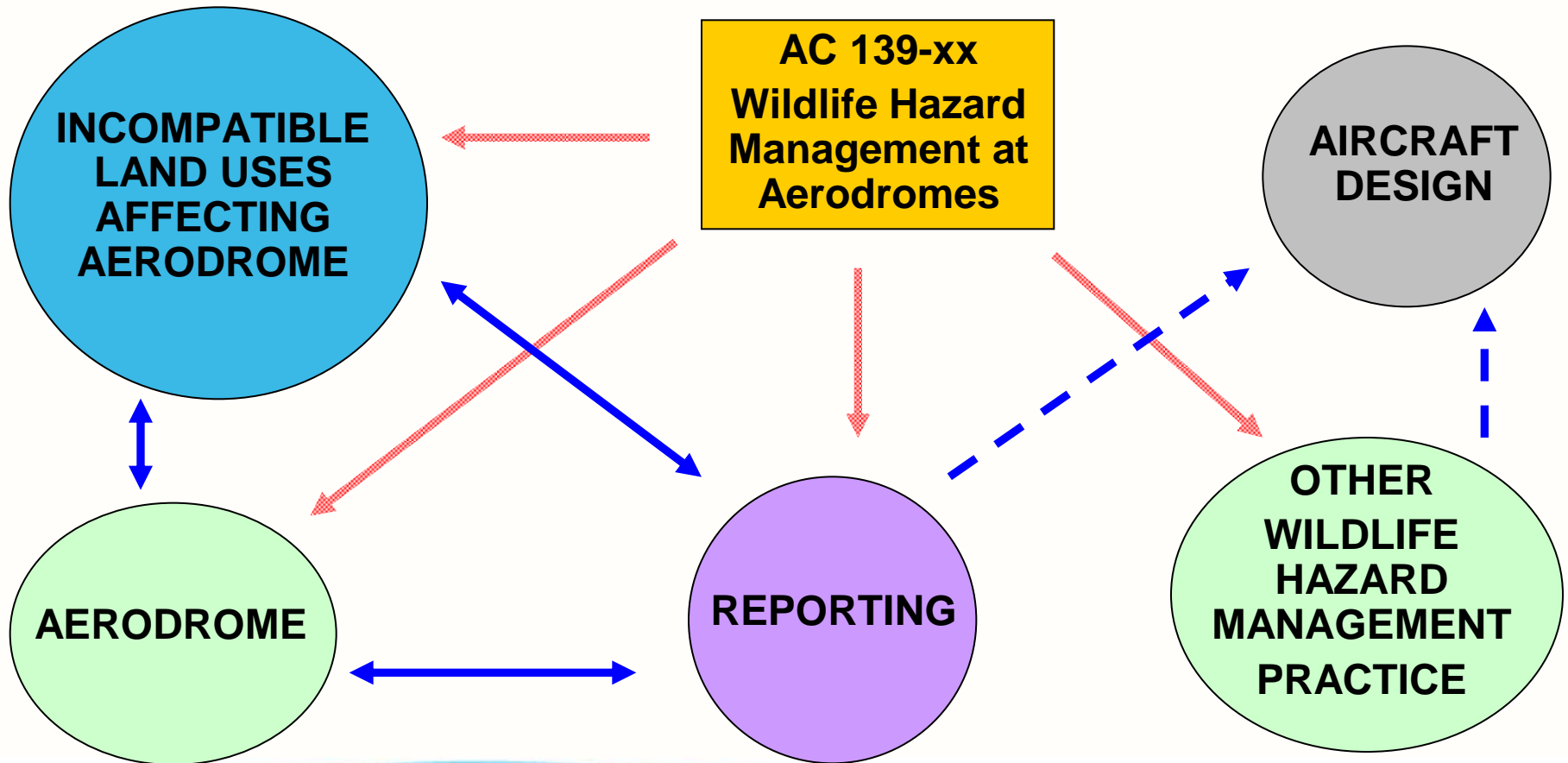
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**OTHER
WILDLIFE
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PRACTICE**

AC in the context of wildlife risk



AC in the context of wildlife risk



Consultation

- Australian Aviation Wildlife Hazard Group (complete)
- CASA (Currently in progress)

Industry comments welcomed from:

- Australasian Aviation Ground Safety Council
- Australian Airport Association
- Aviation Operators (Aerodromes, AOC holders)
- Any other interested stakeholders

Consultation

- Once AC is approved for public release –distribution will occur to all recipients on the CASA email list.
- Request to advise all delegates here today once released
- If you wish to provide feedback or ask a question, please contact me via:

darren.angelo@casa.gov.au

The future

- Proposed update to MOS Part 139, Chapter 10 and Chapter 12 including required Wildlife Hazard Management practice
- National Airport Safeguarding Advisory Group (NASAG) – Guidelines for local and state government planning
- ICAO: Change to Annex 14 or other recommendations
- Reissue of AC to align with these changes

Questions?



Australian Government
Civil Aviation Safety Authority

www.casa.gov.au



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