

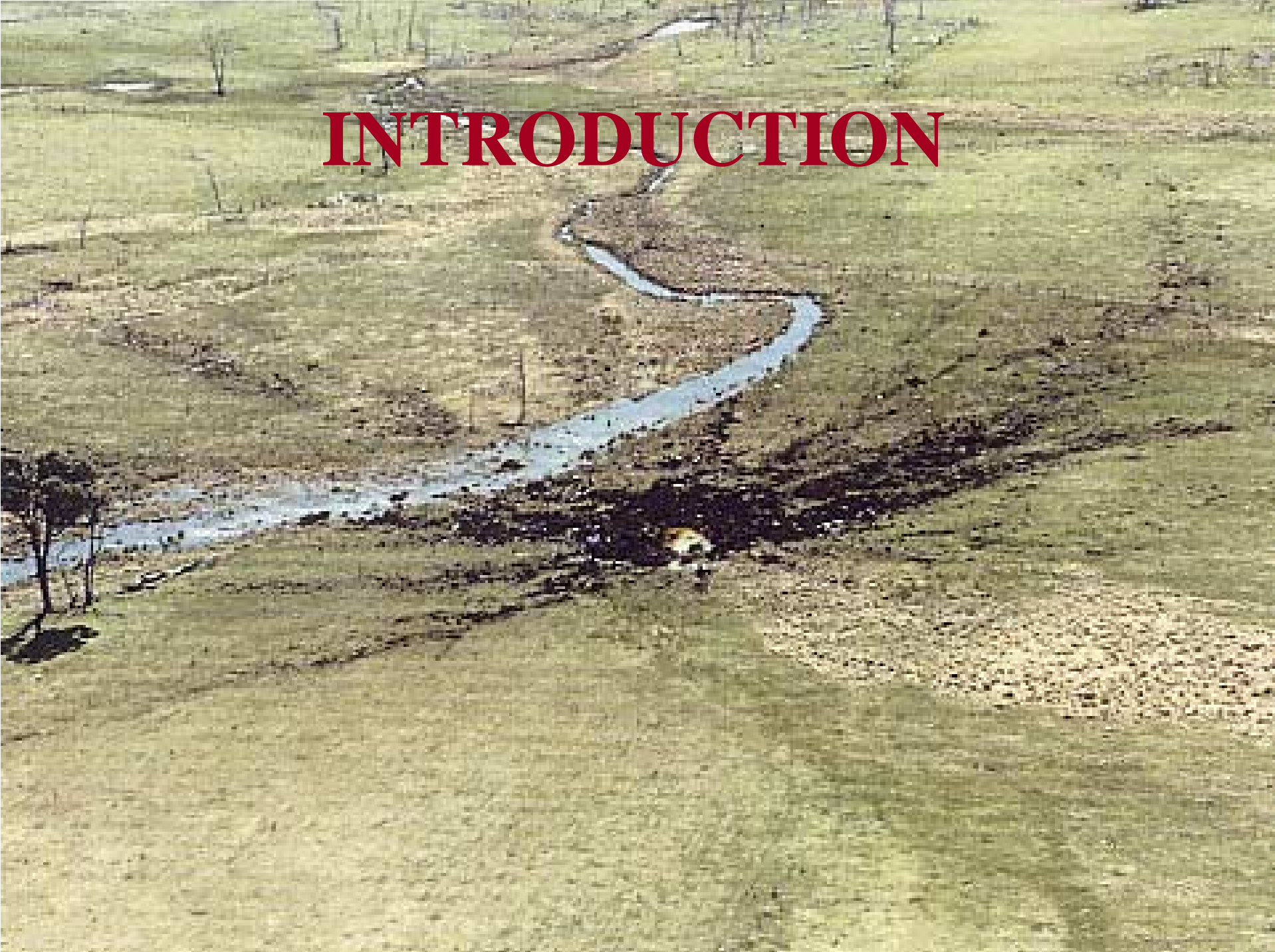


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# The ADF Aviation Safety Occurrence Reporting System

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Deputy Director of Flying Safety  
Australian Defence Force

# INTRODUCTION



# INTRODUCTION

## ADF Aviation Safety Program



An aerial photograph of a rural landscape. A winding river flows through the center of the image, surrounded by green fields and some small buildings or structures. The text is overlaid on the image.

# **INTRODUCTION**

**ADF Aviation Safety Program**

**History and Status of ADF Reporting System**

An aerial photograph of a rural landscape. A winding road or path cuts through a green field, leading to a small cluster of buildings. A stream flows through the middle of the scene, curving around the buildings. The overall scene is peaceful and rural.

# **INTRODUCTION**

**ADF Aviation Safety Program**

**History and Status of ADF Reporting System**

**The ADF ASOR Project**

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# **INTRODUCTION**

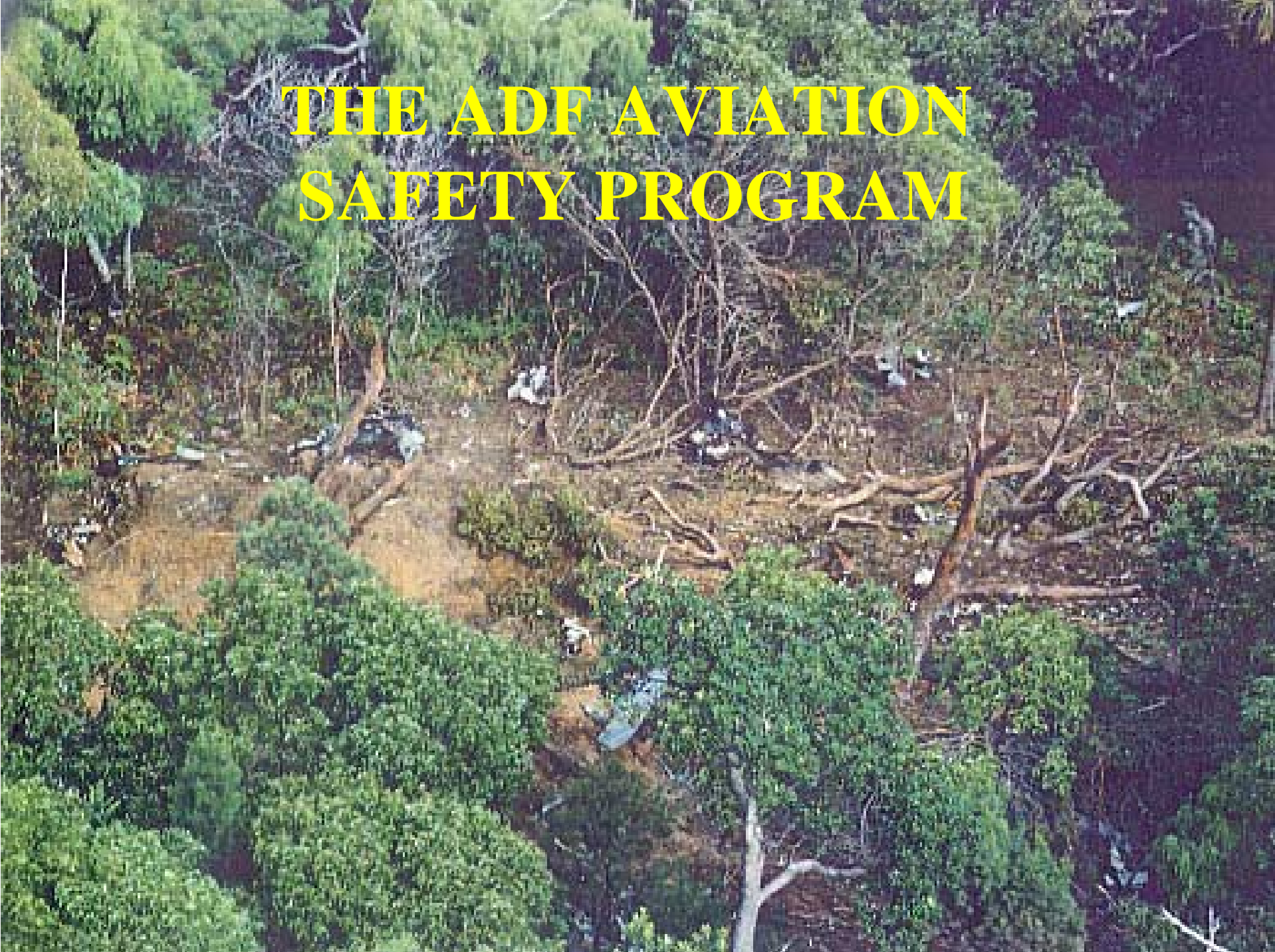
**ADF Aviation Safety Program**

**History and Status of ADF Reporting System**

**The ADF ASOR Project**

**Safety Culture**

# THE ADF AVIATION SAFETY PROGRAM





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## ADF Aviation Safety Program Elements

- Total Management Commitment and resources
- Sound Aviation Safety Culture and Awareness
- Safety Organisation/Structure
- Documentation
- Training and Education
- Hazard identification and Risk Management
- Reporting and Evaluation
- Investigation
- Emergency response





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## ADF Aviation Safety Program Elements: ADF ASOR Review Project

- Total Management Commitment and resources
- Sound Aviation Safety Culture and Awareness
- Safety Organisation/Structure
- Documentation
- **Training and Education**
- **Hazard identification and Risk Management**
- **Reporting and Evaluation**
- **Investigation**
- Emergency response



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**Training and Education**  
**Hazard identification and Risk Management**  
**Reporting and Evaluation**  
**Investigation**

- Reporting Hazards
- Reporting Incidents
- Investigation and analysis of both
- Process to produce recommendations
- Processes to ensure actions are completed



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## History of the ADF Aviation Occurrence Reporting System

- The AIM (Aircraft Incident Message)
- Change to ASOR
  - Not Closed Loop
- Brooks Winching Accident
  - 1995
  - Failure to act to address known problems
- Effect of Blackhawk





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## Current Status of the ADF Aviation Occurrence reporting System

- Closed Loop in Army, Navy not RAAF
- Lack of established follow-up in RAAF
- Lack of education and training
- Database Problems
  - 20 databases
  - Little corporate knowledge
  - Support Difficulties
  - User problems



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## The ADF ASOR Project

- Began in 1999



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- Planned to roll-out Jan03



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## The ADF ASOR Project

- Began in 1999
- Put on hold as a result of:
- Re-vitalised 2001
- Planned to roll-out Jan03
- Large, complex IT Support Project



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## **ADF Aviation Community Involvement**

- Subject Matter experts from all Services
- Database Managers from all Services
- Command Comment
- Updates in DFS Publications
- Presentations to Units/bases
- Training and Education Campaign



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## Part of Defence Aviation Safety Manual Re-write

- Flying Safety Manual last revised 1996
  - RAAF Document
- Need ADF Manual
- More emphasis on Aviation Safety Programs
  - Elements
  - Responsibilities
- More emphasis on Human factors
  - HFACS, Reason Model, SHELL
- More emphasis on Safety Culture
  - Generative Safety Culture

# SAFETY CULTURE





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**INCREASINGLY  
INFORMED**

**GENERATIVE**  
Safety is how we do  
business around here

**PROACTIVE**  
We work on the  
problems that we find

**CALCULATIVE**  
We have systems in place  
to manage hazards

**REACTIVE**  
Safety is important when  
we have an accident

**PATHOLOGICAL**  
Who cares as long as  
we're not caught

**INCREASING  
TRUST**



## Training and Education Sep-Dec02

- Need to Have a simple system
- Human Factors analysis
- Organisational and Systemic Factors
- Investigation process and procedures
- Formulate recommendations
- Report Completion
  - Within five working days
- Closed Loop System - Action Completion





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## INVESTIGATION PROCESS

- Logical and simple
- 'Outside' ideas
  - REASON Model
  - BHP ICAM
  - ATSB
  - USN System
  - NTSB





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## The New ADF ASOR System to be introduced in 2003

- One system for the three Services
- One holistic database
- Closed Loop Reporting
- Trend and Statistical Analysis at all levels
  - Common errors
  - Organisational factors
  - ADF-wide trends
- Data Sharing
  - ATSB, AsA, CASA, Foreign Services



## Summary

- ADF is totally reviewing the Aviation Occurrence Reporting System
- Part of the ADF Aviation Safety program
  - Training and Education
  - Hazard identification and Risk Management
  - Reporting and Evaluation
  - Investigation
- Reason Model based, HFACS, ICAM
- Closed-Loop
- One system, holistic, powerful, commences Jan 2003

# QUESTIONS

