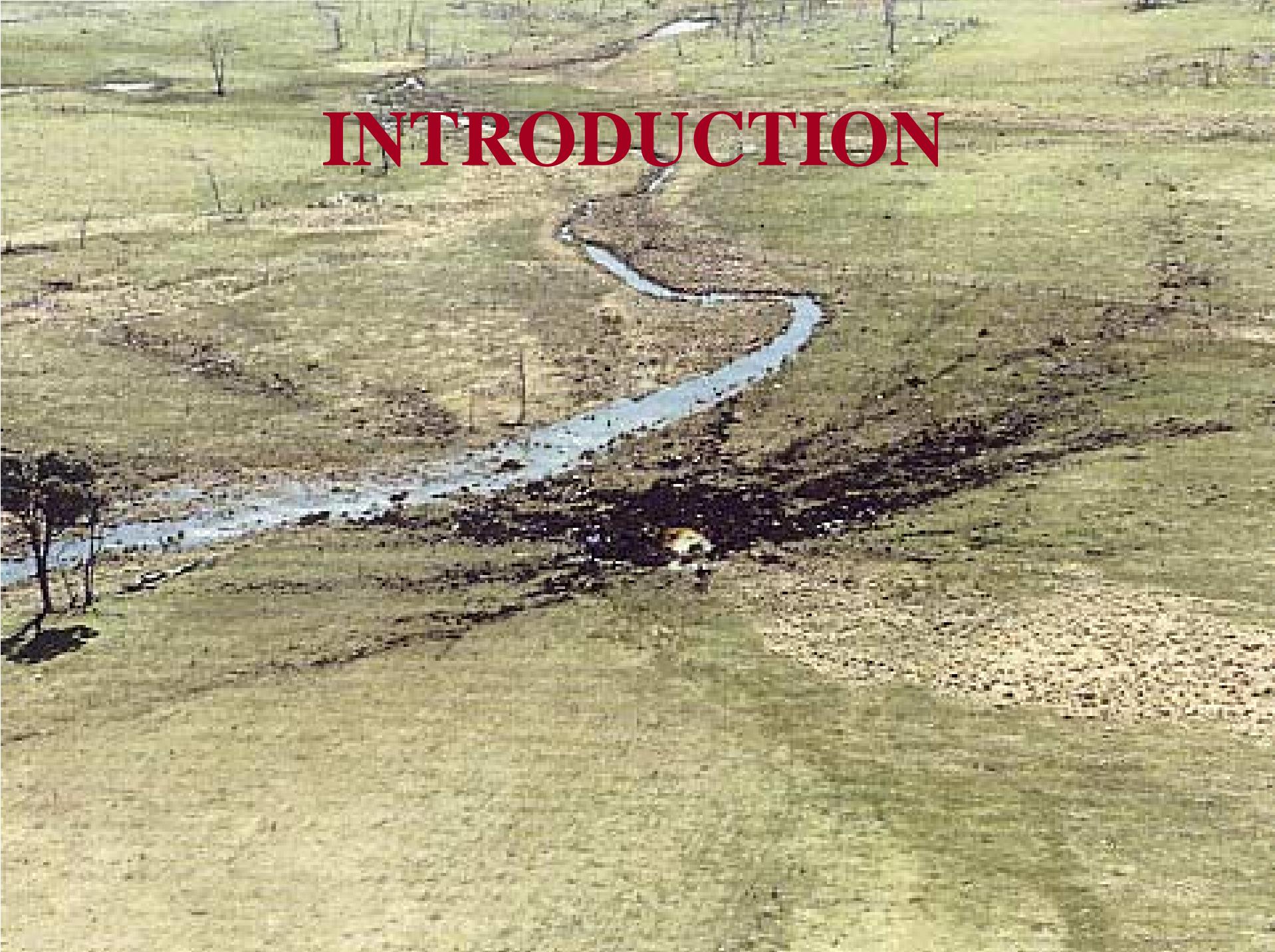




The ADF Aviation Safety Occurrence Reporting System

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Australian Defence Force

INTRODUCTION



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ADF Aviation Safety Program

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History and Status of ADF Reporting System

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The ADF ASOR Project

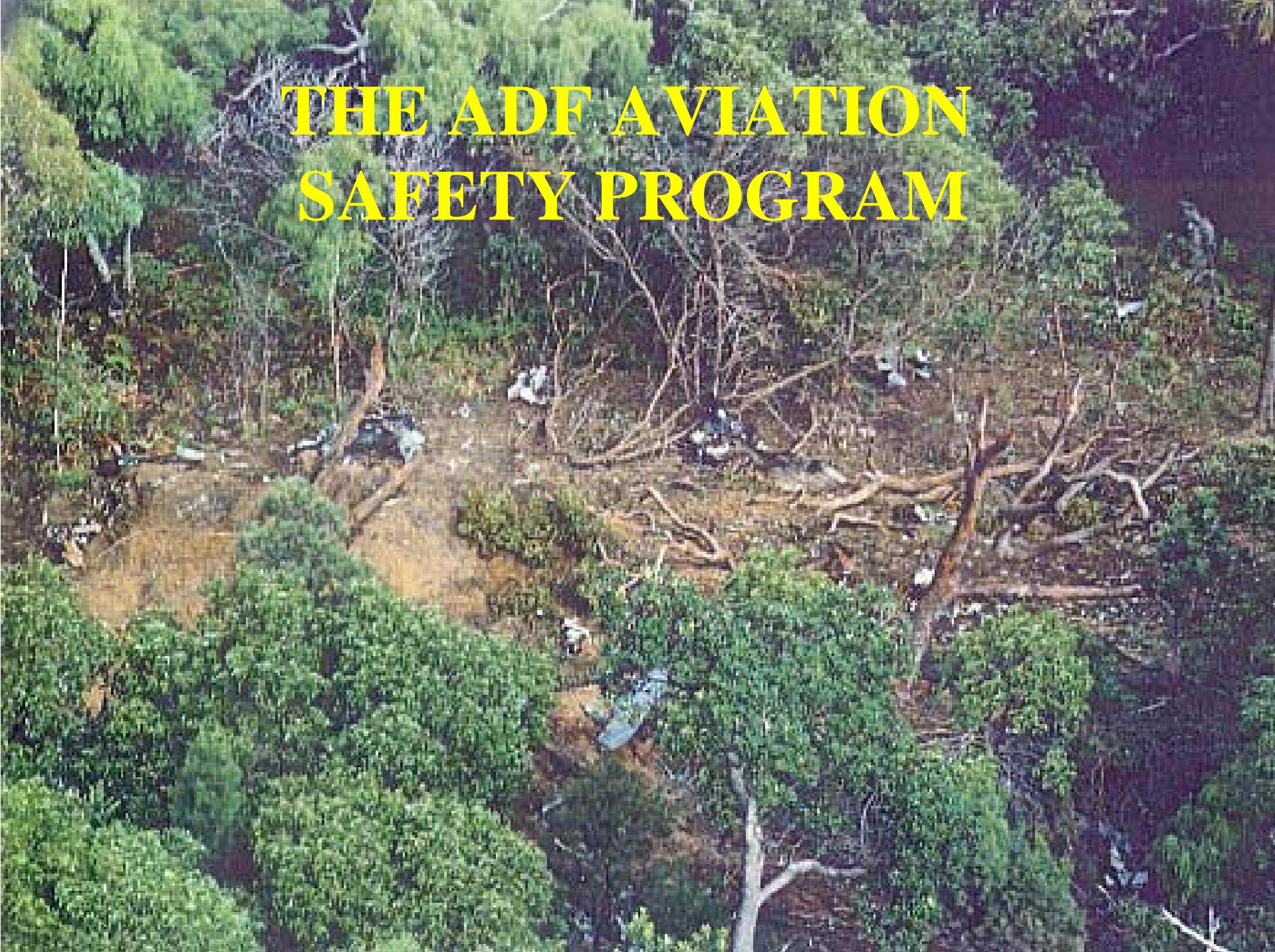
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Safety Culture

An aerial photograph of a dense forest. A large, roughly rectangular area of the forest floor has been cleared, appearing as a light brown or tan color. In the center of this cleared area, a small, light-colored vehicle, possibly a 4x4, is parked. The surrounding trees are a mix of green and brown, suggesting a dry season or a specific type of forest. The overall scene is one of a remote, possibly rural or military, landing site.

THE ADF AVIATION SAFETY PROGRAM



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



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



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



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





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



The ADF ASOR Project

- Began in 1999



The ADF ASOR Project

- Began in 1999
- Put on hold as a result of:





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- Re-vitalised 2001



The ADF ASOR Project

- Began in 1999
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- Planned to roll-out Jan03



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



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



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





**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

**INCREASING
TRUST**

PATHOLOGICAL
Who cares as long as we're not caught



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



INVESTIGATION PROCESS

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





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

