



Australian Government

Department of Defence

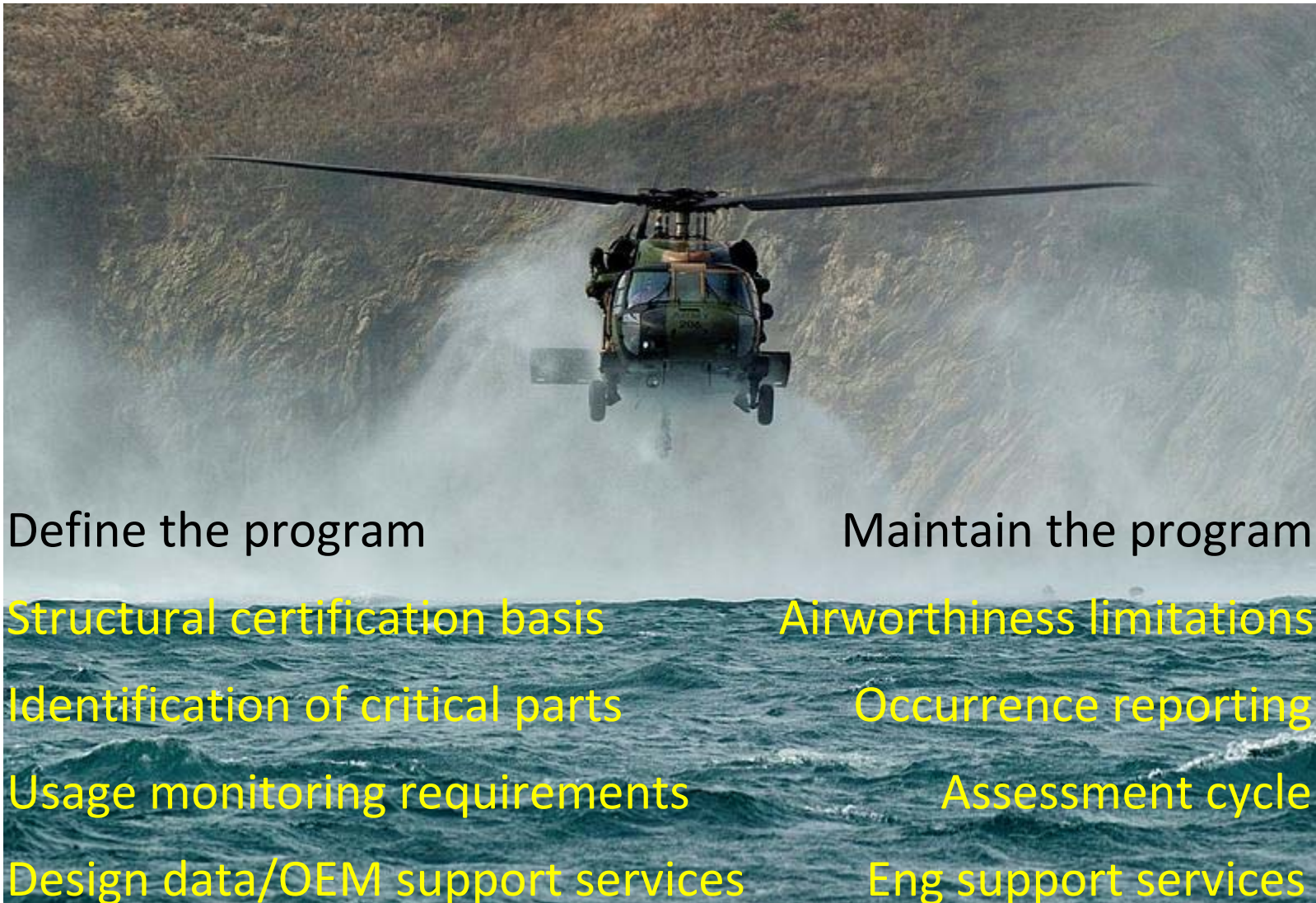
Defence Aviation Safety Authority

# A Contemporary View of the Tenets of Structural Integrity Management for Helicopters



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# Tenets of Structural Integrity Management for Helicopters



Define the program

Maintain the program

Structural certification basis

Airworthiness limitations

Identification of critical parts

Occurrence reporting

Usage monitoring requirements

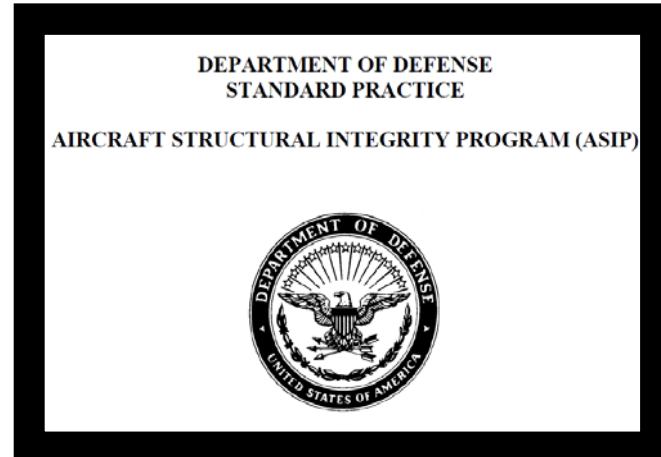
Assessment cycle

Design data/OEM support services

Eng support services

# ...Structural Integrity Program

Current: MIL-STD-1530C



Future:

## Helicopter Structural Integrity Program

# Key HSIP Elements

Defining the required reliability and confidence level

Structural Design Criteria

Structural Usage monitoring  
System validation

Identifying the risk(s) associated with achieving and maintaining structural integrity

# It starts with getting the Certification Basis Right



# Doing 'Helicopter Structural Integrity Management' Better

**Program Management**

**Task Management**

**Stakeholder Interaction**



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# Program Management

## Legacy platform management



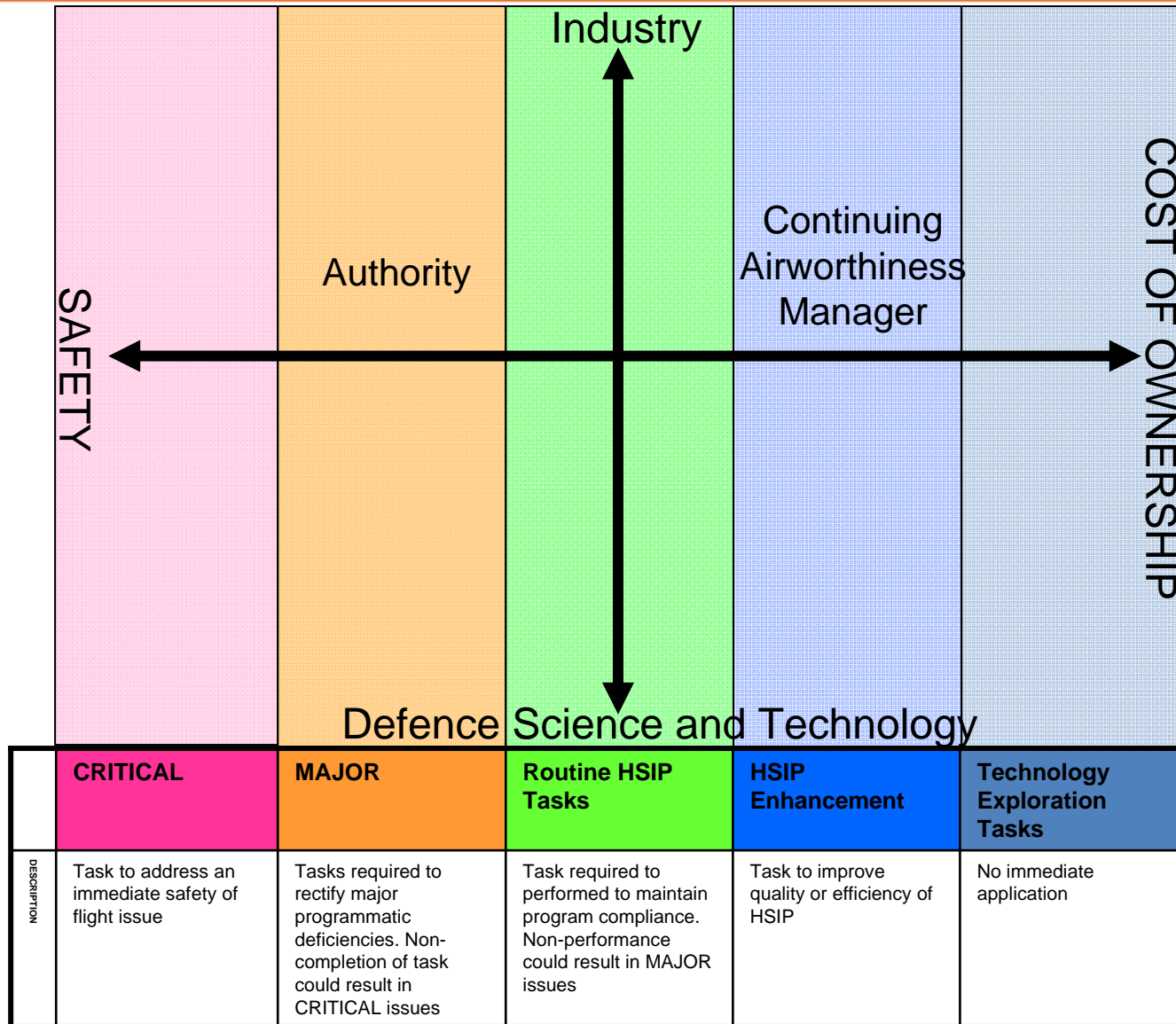
## Contracted platform management



## FMS platform management



# Task Management





# Stakeholder interaction



# QUESTIONS



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