

FACTSHEET – ASSESSING AND TREATING IN-SERVICE AIRCRAFT CYBER SECURITY RISKS

AIM

This factsheet guides early adopters through the process for assessing and treating risks to manned aircraft due to cyber hazards, where such an assessment did not occur during the aircraft's Initial Type Certification.

INTRODUCTION

Within the aviation safety domain, cyber security is commonly understood as the protection of information systems against intentional unauthorised electronic interactions. Like many aviation safety authorities globally, both military and civil, DASA has concluded that the Defence Aviation Safety Regulations (DASR) should also regulate cyber security to the extent that it affects aircraft airworthiness. The proposed DASA approach to protection from cyber hazards, together with supporting rationale, is described in the document *Cyber Hazards to Aviation Safety: A DASA Blueprint*, Issue 1.0.

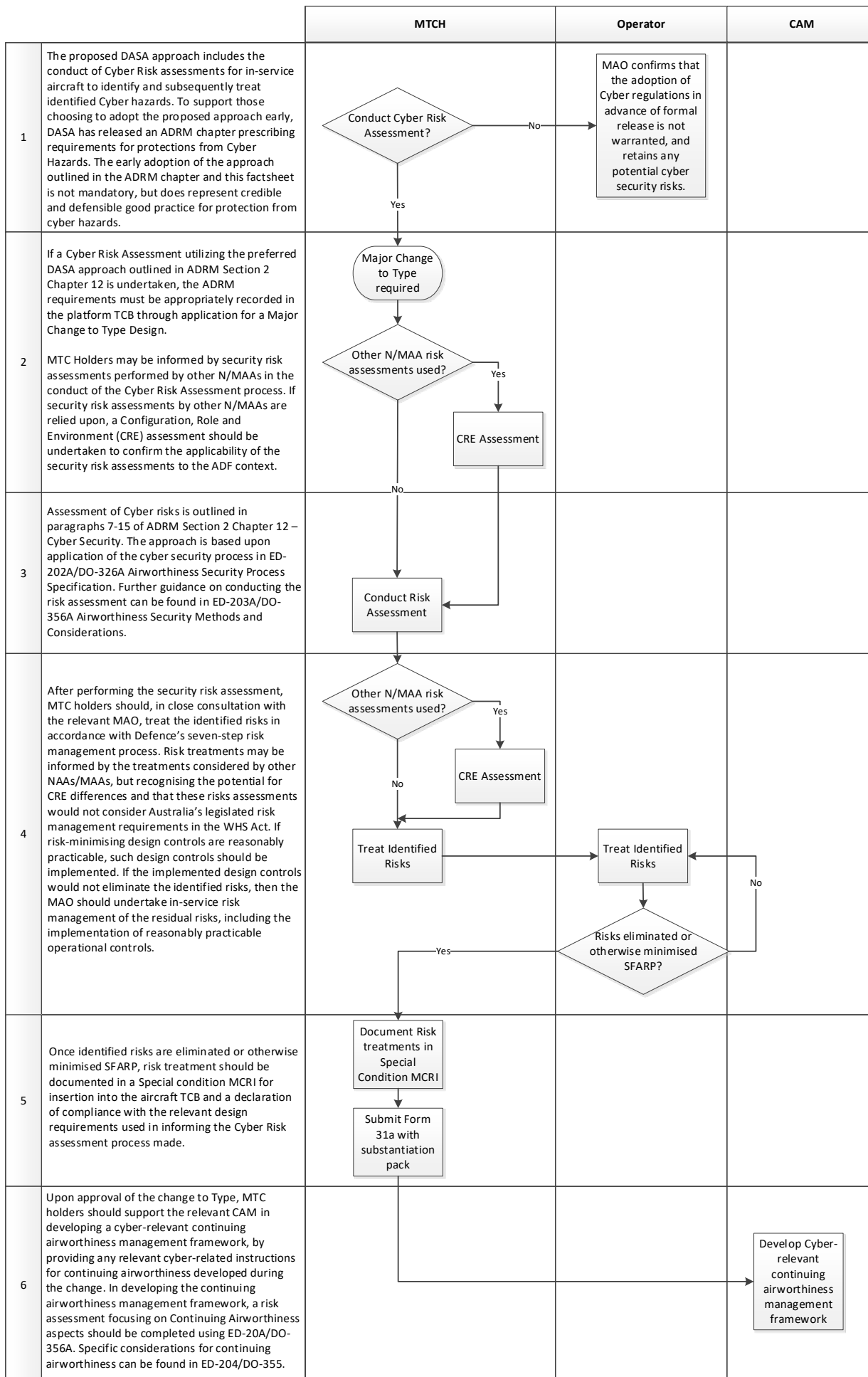
DASA has developed draft regulations on cyber security, *DASR.Cyber* that will be released in a pre-Notice of Proposed Amendment (pre-NPA) format to allow the regulated community to become familiar with the proposed DASA approach to regulation of cyber security. A formal NPA process will be initiated when the level of maturity in understanding and implementation of Cyber Security frameworks within the broader Defence community is such that the *DASR.Cyber* requirements will be readily understood and able to be adopted by the regulated community. In the interim, the proposed DASA approach may be adopted on a 'voluntary' basis to permit those organisations having the understanding and capacity to do so to implement controls for known cyber security hazards.

To support early adopters of the proposed DASA approach, DASA has released a chapter on protections from cyber hazards in the Airworthiness Design Requirements Manual (ADRM). This chapter contains recommended, rather than essential design requirements. These requirements may become essential upon the eventual release of the *DASR.Cyber* regulations.

PROCESS FOR ASSESSING AND TREATING CYBER RISKS TO IN-SERVICE AIRCRAFT

The following flowchart outlines the process for the assessment, and subsequent treatment, of Cyber Security Risks to in-service aircraft as it applies to Military Type Certificate Holders, Military Air Operators, and Continuing Airworthiness Managers. The process is intended to apply the standards outlined in the ADRM Section 2 Chapter 12 – *Cyber Security*. Engagement with DASA is encouraged if standards other than those recommended in the ADRM are applied.





FURTHER INFORMATION

[ADRM Section 2 Chapter 12 Cyber Security](#)

Cyber Hazards to Aviation Safety: A DASA Blueprint, Issue 1.0 (DPN only)

[Pre-NPA Draft Regulations - DASR.Cyber](#)

DASA Website - [Cyber Security](#)

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