

Safety Management And Risk Reduction Tool



Airworthiness Management Diagnostic

What is an Airworthiness Management Diagnostic?

Put simply...It is an expert, independent, objective and detached assessment of your organisations airworthiness management system's effectiveness.

Airworthiness management is the responsibility of an aircraft operator to ensure that the aircraft remains safe to operate. In the context of the AMD this means all of the technical activity associated with continuing airworthiness.

The SMARTT[®] AMD will assess the organisation's people, process, facilities and data to ensure mandatory requirements are complied with within the specified time. Maintenance Programmes are amended as required by operational performance, defects and equipment failure rates. Policies relating to Service Bulletin implementation are adhered to. Contractors including maintenance organisations are working in accordance with contractual requirements and that contracts are adequate.

It will also look at the organisations use of the Minimum Equipment List, not just in the context of deferring a single defect but how the organisation assesses its use with other defects on the aircraft and how recurrent issues are managed.

The Airworthiness Management Diagnostic Methodology

The AMD is designed to evaluate your airworthiness management system's compliance in the following areas:

1. Compliance management of Mandatory Continuing Airworthiness Information
2. Development of Maintenance & Reliability Programmes
3. Compliance Management for Maintenance Programmes, including Life Limited Parts
4. High Level Check Planning & Scheduling
5. Quality Assurance Activities
6. Configuration Control of Managed Aircraft & Components
7. Maintenance & Airworthiness Record Systems
8. Operator Interface
9. External & Internal Reporting Systems, including Mandatory Occurrence Reporting
10. Application of the Minimum Equipment List
11. Human Factors risk mitigation – internal and external
12. Business Continuity of the Airworthiness Management System

The questions contained within the AMD are grouped together to produce a 'success rating' system for each distinct airworthiness management section. Contained within the 12 sections are questions designed to explore and confirm the extent to which industry best practice and the most widely accepted and pragmatic airworthiness management theories and techniques are being adopted. These benchmark points have all been selected as proven to work in the wide range of organisations partnered by Baines Simmons.

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The AMD consists not only of seeking physical evidence of those elements of an airworthiness management system necessary for success, but additionally, face to face interviews with personnel at all levels of the organisation. These interviews enable your consultant, a subject matter specialist to judge whether an aspect of an Airworthiness Management System is in place, and how well the particular aspect under discussion is managed and contributing to the effective delivery of the organisation.

What will an AMD give you?

The AMD deliverable is a confidential management report which is written for senior managers. This will summarise the issues identified, list key recommendations based on industry best practice and propose a way forward to improve the organisations effective management of airworthiness.

In summary our AMD delivers the following:

- ▶ A detached, impartial and expert overview and a suggested way forward
- ▶ A detailed and professional synopsis of where your organisation is assessed to be positioned in terms of its ability to manage airworthiness.
- ▶ An independent/unbiased report and debrief service that will research and deliver a snapshot of current practices and risks. Our AMD commonly identifies areas of concern, which may be contentious and which may not have been previously highlighted to management.
- ▶ A prioritised set of recommendations to assist the client identify and capture potential gains in safety, reliability and economic performance of aircraft.