



MATRIX INTERNATIONAL (UK) LTD.

SPECIAL AEROSPACE CONSIDERATIONS & STANDARDS

Brief Aerospace Industry Overview

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1 Aerospace Standards

1.1 The AS9100 Standard

AS91000 is the standard for organizations that design, develop, or provide aviation, space, and defense products and services widely used in the aerospace industry – including parts, components and assemblies.

Primary concerns of the AS9100 standard include:

- Quality
- Cost
- Delivery
- Performance
- Safety
- Development
- Production

1.2 Implementation

To enable these improvements, AS9100 specifies a Quality management system which operates in a loop of what can be abstracted to Leadership → Planning → Support → Operation → Performance → Evaluation → Improvement which then loops back round to the Leadership to implement such improvements for the next iterative cycle.

1.3 Limitation and Extentions

Despite a generalised standard, each implementation is different. Hence Matrix develops a specific mode of operation specific to each task borrowing from other complementary standards which may apply to the system aswell as incorporating any standard the customer requests.

This ensures effective work beyond the minimum of the international Aerospace Standards.

2 Aerospace Integration Concerns

2.1 Existing Computer Systems & Protocols

Wheter in an airport or part production, an industrial control system must interact with other computerised systems which exist in the aerospace industry. Integrating with these seamlessly can often require adapting to and understanding said bespoke systems.

Hence, Matrix employs a Agile stratgy of work with development operations being flexible to fit around specific or changing customer requirements.

2.2 Maintenance & Support

The Aerospace industry is a demanding one, inso far as it operates 24/7.

To Aid such operation, Matrix offer increased comperised maintence protocols and 24/7 support for all implementations aswell as an extensive method statement portofilio for each project which is delieved along with each implementation to aid on site maintenance work to tackle common issues.

3 Upgrading & Adapting & Analysing

As with most industires, the Aerospace industry is everchanging.

To help improve systems, Matrix offers an integrating analysis platform with each product so that the customer can track quality management as per the international standards independantly of Matrix.

This aids the customer in planning upgrades and seeing where one would be benefical. With Computer APIs, rigourous documentation and build in extensibility, upgrades are easy to be do internally or from any external vendor.