

The background of the slide features several 3D blue human figures standing on a white surface with a grey gear pattern. The figures are positioned in a way that suggests a collaborative or industrial setting. The central text is overlaid on a dark grey horizontal band.

Understanding the Requirements of AS 9120 Rev B

Introduction

AS 9120 Rev B is the latest standard for Quality Management Systems Requirements for Aviation, Space, and Defense Distributors.

Previous versions included:

AS 9120 Rev A – 2009

AS 9120 – 2002

In this presentation, the text of the AS 9120 B Standard is paraphrased for instructional purposes.

Refer to the standard for the actual text.

Topics Covered

1. Fundamentals

- Who is AS?
- What is a Management System?
- Plan Do Check Act
- Process approach
- Risk Based Thinking

2. Basics of a QMS and AS 9120

- What is an QMS?
- What is AS 9120?
- Benefits of certification
- Elements of AS 9120 B

3. AS 9120 B Requirements

- Key Elements
- Documenting your QMS
- Implementing the QMS in your Organization
- Training People
- Auditing the QMS
- Certification

4. Managing the AS 9120 QMS

- Key elements of an AS 9120 QMS
- AS 9120 registration

Section 1 - Fundamentals

- Who is AS?
- What is a Management System?
- P-D-C-A Continual Improvement Cycle
- Process approach
- Risk-Based Thinking

Who is AS?

The AS 9120 B standard was designed by IAQG, the International Aerospace Quality Group, with expert representatives from many different countries

- The standard outlines the basic elements of a good quality management system (QMS)
- These elements are good business practices
- The standard promotes the adoption of a process approach where consistent and predictable results can be achieved
- The standard promotes P-D-C-A where continual improvement can be achieved
- The standard promotes risk-based thinking aimed at preventing undesirable outcomes.

What is a Management System?

Your organization is made up of several Management Systems, which operate within your overall Business Management System. Example:

- Financial (FMS)
- Quality (QMS)
- Environmental (EMS)
- Safety (SMS)
- Energy (EnMS)
- IT (MIS) etc.



PDCA and the Requirements

P = Plan, the processes

Clause 4 - Context of the Organization

Clause 5 - Leadership

Clause 6 - Planning

D = Do, implement the plan

Clause 7 - Support

Clause 8 - Operation

C = Check, the results

Clause 9 - Performance Evaluation

A = Act, take actions to improve

Clause 10 - Improvement



Plan-Do-Check-Act Example

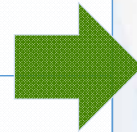
- Set Goal – Lose weight
- Metrics – 10# per month until you reach your target weight
- Set up exercise schedule, nutrition

Plan



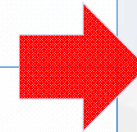
- Implement the plan
- Exercise, eat wisely, portion control

Do



- Validate – Step on the scale – Are you meeting the goal?
 - No – Why not?
 - Yes – Great! Can you improve?

Check



- Adjust plan
- Keep improving by raising the bar (Continual improvement)

Act

