



Introduction to AS 9110

Rev. A



What is AS 9110?

SAE *International*



- Representatives from the Aerospace Industry formed IAQG and designed AS 9110 as a common Quality System for Maintenance, Repair and Overhaul Organizations (SAE Managed)
 - Expanded to Aviation, Space & Defense (AS&D) 2009
- It is based on the ISO 9001 QMS
 - Includes 100% of ISO 9001:2008 requirements
 - 100+ additional AS&D specific clauses added



4.1 General Requirements

The organization will establish, document, implement, maintain and continually improve the Quality Management System (QMS)

- The organization must obtain and maintain any required QMS approvals, certificates, ratings, licenses and permits required by applicable statutory and regulatory requirements.
- The QMS must address customer & applicable statutory and Aviation Authority* QMS quality requirements (* see definition below)

The organization must also determine how to control any outsourced processes



7.3 Design and Development

- 7.3.1 Design & development **planning** requires that you manage the interfaces between the different groups involved in design and includes:
 - Determination of design & development stages
 - Review, verification and validation of each stage
 - Responsibility and authority
- Divide design and development effort in distinct activities, with tasks, resources, etc for each.
- Design and development tasks need to be based on safety and functional objectives for products.
- Planning considers ability to produce, test and maintain the product.



8.3 Control of Nonconforming Product

- Have a documented procedure to define the responsibility and authority for the review and disposition of nonconforming product.
- Define the process for approving personnel who make the disposition decisions.
- Have a process to deal with nonconforming product
 - Take action to eliminate the nonconformity
 - Authorize its use, release or acceptance under concession
 - Take action to preclude its original intended use
 - Provide for the timely reporting of any nonconforming product that is delivered.