



Repair Standards and Certifications

As the demand for reliable turbine performance becomes critical, then reliability must be delivered by implementing service standards that meet a broad range of quality requirements and certifications.

Akuray has adopted a range of standards and certifications to provide a high level of reliability in the Service Supply Chain. Electronic modules perform critical functions in an often-hostile environment, so applying electronics industry standards and quality processes will ensure the services performed give a reliable result.

IPC-A-610

This is a Workmanship standard and addresses lighting, temperature, Electrostatic Discharge, the stripping of wires and assembly to terminals, plated through hole soldering, surface mount soldering, inspection, conformal coating and inspection of the solder joint.

IPC-7711/IPC-7721

This Standard addresses the Rework and Refurbishment of Electronic Assemblies/Repair and Modification of Electronic Printed Circuit Boards and Assemblies. The standard defines tools, materials, methods, processes and guidelines associated with the rework, repair and refurbishment of surface mount and through-hole assemblies. The standards emphasise performance specifications for the chosen technology plus information on the rework, repair and refurbishment of PCBs and assemblies.

ISO9001

ISO 9001:2015 is an internationally recognised quality management system (QMS) standard. It is the world's leading quality management standard and has been implemented by over one million organisations in over 170 countries globally.

ISO 9001 belongs to the ISO 9000 family of standards which is related to quality management systems. It has been created to help organisations ensure that they meet the needs of their customers and other stakeholders while also meeting statutory and regulatory requirements related to the product.

ISO13485

ISO 13485, *Medical devices – Quality management systems – Requirements for regulatory purposes*, is an internationally agreed standard that sets out the requirements for a quality management system specific to the medical devices industry. It has recently been revised, with the new version published in March 2016.

The new version has a greater emphasis on risk management and risk-based decision making within the various processes, as well as changes related to the increased regulatory requirements for organizations in the supply chain.

AS9100

The standard for organizations that design, develop, or manufacture aviation, space, and defence products and services including parts, components and assemblies.

Prepared by the International Aerospace Quality Group (IAQG), AS9100:2016/AS9100D standardizes quality management system requirements. AS9100 certification can be achieved by all levels of the supply chain by organizations around the world, to improved quality, cost, and delivery performance.



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