



AP Quality Consulting works with you to provide a custom solution

- ❑ ISO 9001, ISO/IEC 17025, AS6081, AS5553, AS6171 (in development)
- ❑ Quality auditing and management of internal audit program
- ❑ Corporate training programs (program design and delivery)
- ❑ Six Sigma and Lean Manufacturing methodologies
- ❑ Leadership, Management Skills, High Performance Work Teams
- ❑ Strategic, business and quality panning, tactical implementation



SAE AS6081 Aerospace Standard

Possible Applications:

- ❖ Independent, third-party certification bodies (CBs) verify of compliance to AS6081
- ❖ Testing Requirements can be specified in Purchase Orders of Electronic Components
- ❖ OEMs can specify their suppliers comply with AS6081 to meet selected flow-down requirements of AS5553

SAE AS6081 Aerospace Standard

4.2 Counterfeit Electronics Parts Control Plan

- Customer Related Contract Review, Agreement, & Execution
- Supplier Approval and Source Selection
- Purchase Order Requirements
- Supply Chain Traceability
- Preservation of Product
- Verification of Purchased Product
- Control of Nonconforming Product
- Material Control
- Reporting
- Personnel Training
- Internal Audit

SAE AS6081 Aerospace Standard

Control Plan Topic	ISO 9001 AS9120	AS6081	Most DoD Prime Requirements
Contract Review, Agreement, & Execution	✓	✓	✓
Supplier Approval and Source Selection	✓	✓	✓
Purchase Order Requirements	✓	✓	✓
Supply Chain Traceability	✓	✓	✓
Preservation of Product	✓	✓	✓

SAE AS6081 Aerospace Standard

Control Plan Topic	ISO 9001 AS9120	AS6081	Most DoD Prime Requirements
Verification of Purchased Product	✓	✓	✓
Control of Nonconforming Product	✓	✓	✓
Material Control	✓	✓	✓
Reporting	✓	✓	✓
Personnel Training	✓	✓	✓
Internal Audit	✓	✓	✓

Additional requirements for AS6081

Control Plan Topic	AS6081
Contract Review, Agreement, & Execution	<ul style="list-style-type: none">• Disclose in writing the source of supply• Issue revised quote when source of supply changes.
Supplier Approval and Source Selection	<ul style="list-style-type: none">• Weighted criteria or supplier ranking system; ARP6178 or equivalent.• Require suppliers to issue a revised written quotation and risk assessment, if source of supply changes.

Additional requirements for AS6081

Control Plan Topic	AS6081
Supply Chain Traceability	<ul style="list-style-type: none">• Identify the name and location of all of the supply chain intermediaries for all procurement lots• If traceability is incomplete or unavailable, customer approval required.
Verification of Purchased Product	<ul style="list-style-type: none">• AS6081 calls out specific testing and sampling plans.

Additional requirements for AS6081

Control Plan Topic	AS6081
Control of Nonconforming Product	<ul style="list-style-type: none">• In any case, suspect/fraudulent /counterfeit parts shall not be returned to the Supplier
Reporting	<ul style="list-style-type: none">• Suspect, fraudulent and confirmed counterfeit parts be reported, within 60 days of identification, to internal organizations, and to customers, applicable Government authorities, Government reporting organizations

Additional requirements for AS6081

Control Plan Topic	AS6081
Personnel Training	<ul style="list-style-type: none">• Personnel with responsibility for the detection of suspect/fraudulent/counterfeit indicators through use of Radiographic Inspection (e.g., X-ray and XRF) shall be trained and certified to NAS-410 National Aerospace Standard, NAS Certification Qualification of Nondestructive Test Personnel or equivalent

ANAB Accreditation Rule 47

Factors related to Scope determination

“Because a certified distributor may supply parts in accordance with AS6081 and also supply parts not in accordance with AS6081, the Certification Body shall develop processes to ensure an understanding of the distributor’s practices.

These Certification Body processes will ensure that the audit teams understand the distributor practices and verify that the distributor employs appropriate controls and makes appropriate representations of parts delivered to customers.”

ANAB Accreditation Rule 47

Factors related to Scope determination

- ❖ How does the distributor differentiate between an AS6081 and a non-AS6081 order?
- ❖ How are the following processes affected by AS6081?
 - ❖ Requests for Quotes from the Customer
 - ❖ Purchasing
 - ❖ Testing
 - ❖ Test Report
 - ❖ Reporting

AS6081 – Role of Consultant

Tasks where you may utilize a consultant:

- ❖ Review of current documentation to identify gaps
- ❖ Revision of policies to meet AS6081 requirements
- ❖ Internal Audit of AS6081 requirements

Recommend that you **don't** have the consultant present during the certification audit. It's important that the certification body believes that your internal staff have a good understanding of the requirements of AS6081.