



AEROSPACE STANDARD

AS6301™**REV. A**Issued 2014-01
Revised 2024-09

Superseding AS6301

(R) Compliance Verification Criterion Standard for AS6081A
Counterfeit Electrical, Electronic, and Electromechanical (EEE) Parts:
Avoidance, Detection, Mitigation, and Disposition - Independent Distribution

RATIONALE

AS6081A was issued in April of 2023. AS6301A contains the criteria for compliance or certification to AS6081A.

FOREWORD

To assure compliance to AS6081A requirements, a set of standard assessment criteria is utilized to evaluate and establish uniform certification. This document standardizes compliance criteria for AS6081 Revision A requirements. Throughout the body of this document, all references to AS6081 refer to AS6081A.

TABLE OF CONTENTS

1.	SCOPE.....	2
1.1	Purpose.....	2
1.2	Application.....	2
2.	REFERENCES.....	2
2.1	Applicable Documents.....	2
2.1.1	SAE Publications.....	2
2.1.2	ANSI Accredited/ESD Association Publications.....	2
2.1.3	IPC Publications.....	2
2.2	Related Publications.....	3
2.2.1	SAE Publications.....	3
2.2.2	ASME Publications.....	3
2.2.3	ASQ/ANSI Accredited Publications.....	3
2.2.4	IDEA Publications.....	3
2.2.5	ISO Publications.....	3
2.3	Terms and Definitions.....	3
3.	REQUIREMENTS.....	4
3.1	Auditor(s) Competency.....	4
4.	NOTES.....	4
4.1	Revision Indicator.....	4
APPENDIX A	MANDATORY APPENDIX FOR AUDITING AS6081A FOR CERTIFICATION; NONMANDATORY FOR ALL OTHER AUDITS.....	5

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1. SCOPE

1.1 Purpose

This set of criteria is intended for use by accredited Certification Bodies (CBs) to establish compliance and grant certification to AS6081A. It may also be used by others to assess compliance to AS6081A requirements.

1.2 Application

This standard applies to compliance assessments of Open Market Distributors (e.g., Independent Distributors, Brokers, etc.) who have implemented processes conforming to AS6081A requirements.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

AIR6273	Terms, Definitions, and Acronyms Counterfeit Materiel or Electrical, Electronic, and Electromechanical Parts
AS6081A	Counterfeit Electrical, Electronic, and Electromechanical (EEE) Parts: Avoidance, Detection, Mitigation, and Disposition - Independent Distribution
AS6171	Test Methods Standard; General Requirements, Suspect/Counterfeit, Electrical, Electronic, and Electromechanical Parts

2.1.2 ANSI Accredited/ESD Association Publications

Copies of these documents are available online at <https://webstore.ansi.org/>.

Available from EOS/ESD Association, Inc., 218 W Court Street, Rome, NY 13440-2069, Tel: 315-339-6937, www.esda.org.

ANSI/ESD S20.20	Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices)
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2.1.3 IPC Publications

Available from IPC, 3000 Lakeside Drive, 105 N, Bannockburn, IL 60015, Tel: 847-615-7100, www.ipc.org.

IPC-J-STD-001	Requirements for Soldered Electrical and Electronic Assemblies
IPC/JEDEC-J-STD-033	Handling, Packing, Shipping and Use of Moisture, Reflow, and Process Sensitive Devices

2.2 Related Publications

The following publications are provided for information purposes only and are not a required part of this SAE Technical Report.

2.2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

- | | |
|---------|--|
| ARP6178 | Counterfeit Electrical, Electronic, and Electromechanical (EEE) Parts: Tools for Risk Assessment of Other than an Authorized Source (e.g., Independent Distributors) |
| AS5553 | Counterfeit Electrical, Electronic, and Electromechanical (EEE) Parts; Avoidance, Detection, Mitigation, and Disposition |
| AS9003 | Inspection and Test Quality Systems, Requirements for Aviation, Space, and Defense Organizations |
| AS9100 | Quality Management Systems - Requirements for Aviation, Space, and Defense Organizations |
| AS9120 | Quality Management Systems - Requirements for Aviation, Space, and Defense Distributors |

2.2.2 ASME Publications

Available from ASME, P.O. Box 2900, 22 Law Drive, Fairfield, NJ 07007-2900, Tel: 800-843-2763 (U.S./Canada), 001-800-843-2763 (Mexico), 973-882-1170 (outside North America), www.asme.org.

ASME NQA-1 Quality Assurance Requirements for Nuclear Facility Applications

2.2.3 ASQ/ANSI Accredited Publications

Available from American Society for Quality, 600 North Plankinton Avenue, Milwaukee, WI 53203, Tel: 800-248-1946 (United States or Canada), 001-800-514-1564 (Mexico), or +1-414-272-8575 (all other locations), www.asq.org.

Copies of these documents are available online at <https://webstore.ansi.org/>.

ASQ/ANSI E4 Quality management systems for environmental information and technology programs - Requirements with guidance for use

2.2.4 IDEA Publications

Available from Independent Distributors of Electronics Association, 2250 Double Creek Drive, #6474, Round Rock, TX 78683-0061, Tel: +1 714-670-0200, <https://idofea.org/>.

IDEA-QMS-9090 Quality Management Standard for Independent Distributors of Electronics Association Members

2.2.5 ISO Publications

Copies of these documents are available online at <https://webstore.ansi.org/>.

ISO 9001 Quality management systems - Requirements

2.3 Terms and Definitions

For the purposes of this document, the terms and definitions are stated in AS6081A or AIR6273.

3. REQUIREMENTS

The AS6081 requirements depicted in Appendix A shall be used by the Certification Body to establish compliance to AS6081. In order to ensure the consistency of third-party audits, Appendix A is mandatory for use by the Certification Body but is optional for other users of the appendix.

Appendix A contains the AS6081A requirement clause, recommended methods of evaluation (MOE), record of compliance, and a column for notes.

Each “shall” requirement in the “Requirement” column is assigned a numerical superscript number - e.g., “shall⁽¹⁾,” “shall⁽²⁾,” “shall⁽³⁾” - that correlates to the (1), (2), (3), etc., designations in the “Method of Evaluation (MOE)” column in Appendix A.

The MOE identified in Appendix A is for guidance only in establishing the methodology for conducting the audit; as such, the MOE may be modified, as deemed appropriate by the auditor(s). The MOE is included to structure the audit at the depth necessary to verify compliance to the AS6081, Section 3, mandatory requirements.

The MOE used during the audit shall be recorded as part of the final audit report to provide readers with an understanding of the depth of the audit.

3.1 Auditor(s) Competency

Personnel performing audits to verify AS6081 compliance shall have a working knowledge of the requirements of AS6081 and should be knowledgeable in performing audits of Quality Management System (QMS) processes.

4. NOTES

4.1 Revision Indicator

A change bar (|) located in the left margin is for the convenience of the user in locating areas where technical revisions, not editorial changes, have been made to the previous issue of this document. An (R) symbol to the left of the document title indicates a complete revision of the document, including technical revisions. Change bars and (R) are not used in original publications, nor in documents that contain editorial changes only.

PREPARED BY SAE G-19 COUNTERFEIT ELECTRONIC PARTS COMMITTEE

APPENDIX A - MANDATORY APPENDIX FOR AUDITING AS6081A FOR CERTIFICATION; NONMANDATORY FOR ALL OTHER AUDITS

AS6081A Clause	Requirement	Comply?		Method of Evaluation (MOE)	Record of Compliance	Notes
3	Unless otherwise specified by the customer, all requirements of Section 3 shall apply.			Use the MOE in the rows below to verify the requirements of AS6081 Section 3 are being met, unless otherwise specified by the organization's customer.	<i>Record an overall assessment of the extent of compliance to AS6081.</i>	
3.1	Relationship of the Quality Management System to AS6081 Requirements					
3.1	The organization shall implement and comply with an industry recognized higher-level quality standard or quality management system in conjunction with the requirements specified herein.			Review the Quality Manual to determine the industry recognized higher-level quality standard that is being used by the organization.	<i>Record the higher-level quality standard that is being used by the organization. If certified, record the certification, the date of the last certification, and the expiration date of the certification.</i>	
3.2	Suspect Counterfeit and Counterfeit EEE Parts Mitigation Policy					
3.2	The organization shall ⁽¹⁾ establish a documented policy to prevent the purchase, acceptance, and distribution of suspect counterfeit or counterfeit EEE parts in conformance with the risk mitigation requirements specified herein. The organization's senior management shall ⁽²⁾ ensure that its policy is communicated, understood, implemented, and maintained at all levels of the organization and made accessible to the customer upon request.			(1) Verify the company counterfeit parts mitigation policy exists. (2a) Verify the policy is communicated, understood, and implemented. (2b) Verify the policy is accessible to the customer.	<i>Record the organization's policy and method of personnel and customer access to the counterfeit mitigation policy.</i>	
3.3	Control of Documented Information					
3.3	The organization shall ⁽¹⁾ establish documented processes to define the controls needed for the identification, storage, protection, retrieval, retention, and disposition of documented information. Documented information shall ⁽²⁾ remain legible, readily identifiable, and retrievable. Unless otherwise specified in the contractual requirements, the retention period for all documented information shall ⁽³⁾ be a minimum of 10 years.			(1) Verify documented controls needed for the identification, storage, protection, retrieval, retention, and disposition of documented information (records). (2) Select a sample of records and verify that records remain legible, readily identifiable, and retrievable. (3) Select a sample of records and verify the retention period is a minimum of 10 years.	<i>Record the written procedure(s) for the controls. Document the records reviewed during the audit.</i>	