



AEROSPACE STANDARD

AS6810™

Issued

2018-05

Requirements for Accreditation Bodies when Accrediting
Test Laboratories Performing Detection of Suspect/Counterfeit in Accordance with
AS6171 General Requirements and the Associated Test Methods

RATIONALE

This standard was developed to achieve consistency in the accreditation of Test Laboratories performing detection of suspect/counterfeit parts to the requirements of AS6171 *Test Methods Standard, General Requirements, Suspect/Counterfeit, Electrical, Electronic, and Electromechanical Parts* and the associated AS6171 Test Methods.

The standard provides assessment requirements and guidance to an Accreditation Body for the purpose of accreditation of Test Laboratory capabilities in detection of suspect/counterfeit Electrical, Electronic, and Electromechanical (EEE) Parts.

FOREWORD

To ensure conformance to the AS6171 requirements, standard assessment criteria are utilized to establish uniformity in ISO/IEC 17025 *General Requirements for the Competence of Testing and Calibration Laboratories* accreditation for testing using AS6171 Test Methods.

This standard outlines uniform conformance requirements for assessment and accreditation of Test Laboratories to the requirements of ISO/IEC 17025 *General requirements for the competence of testing and calibration laboratories* and AS6171 – *General Requirements* for the scope of Test Methods within the AS6171 slash sheet(s). Test method-specific competence criteria are detailed in an individual AS6171 Test Method's slash sheet.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2018 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER:
Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
<http://www.sae.org>

SAE WEB ADDRESS:

Full document details: SAE AS6810

SAE values your input. To provide feedback on this
Technical Report, please visit
<http://standards.sae.org/AS6810>

Documents
Document Sharing Hub

TABLE OF CONTENTS

1.	SCOPE.....	3
1.1	Purpose	3
1.2	Application.....	3
2.	REFERENCES.....	3
2.1	Applicable Documents	3
2.1.1	SAE Publications.....	3
2.1.2	ISO Publications.....	3
2.2	Terms and Definitions	3
2.3	Acronyms	3
3.	REQUIREMENTS	4
3.1	International Status of the Accreditation Body.....	4
3.2	Conformance with Accreditation Requirements.....	4
3.3	Assessor Competence	4
3.4	Determination of Competence for Test Methods	4
3.5	Inter-Laboratory Comparisons (ILC) or Proficiency Testing (PT)	4
3.6	Competence of Laboratory Personnel	5
3.7	Training Records.....	6
3.8	ESD Capabilities	6
4.	ACCREDITATION CYCLE.....	6
5.	ASSESSMENT REPORT.....	6
6.	DATA RETENTION.....	6
7.	NOTES.....	7
7.1	Revision Indicator.....	7

1. SCOPE

1.1 Purpose

The criteria defined herein shall be utilized by an ISO/IEC 17025 Accreditation Body (AB) to establish conformance with *AS6171 Test Methods Standard; General Requirements, Suspect/Counterfeit, Electrical, Electronic, and Electromechanical Parts* and associated AS6171 Test Methods requested/included on the scope of accreditation.

1.2 Application

This document shall be used during ISO/IEC 17025 accreditation assessments of Test Laboratories under AS6171 *General Requirements* document.

The document should be used by a Test Laboratory for evaluation of sub-contracting organizations involved in testing of Electrical, Electronic and Electromechanical (EEE) parts in accordance with AS6171.

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 the 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 and Canada), www.sae.org.

AS6171 Test Methods Standard; General Requirements, Suspect/Counterfeit, Electrical, Electronic, and Electromechanical Parts

AS6171 Current Test Methods (Slash Sheets)

2.1.2 ISO Publications

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

ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories

ISO/IEC 17011 Conformity assessment -- Requirements for Accreditation Bodies Accrediting Conformity Assessment Bodies

2.2 Terms and Definitions

For the purposes of this document, the terms and definitions stated in the referenced documents apply.

2.3 Acronyms

AB: Accreditation Body

CDC: Counterfeit Defect Coverage

CoQC: Certificate of Quality Conformance

CTC: Counterfeit Type Coverage