

SAE INTERNATIONAL

SAE INTERNATIONAL STANDARDS- COUNTERFEIT AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION

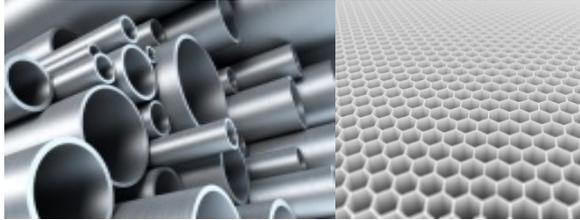
July 2014

Director, Washington Operations
SAE International
www.sae.org



SAE's main purpose is to collect, develop, and disseminate technical information related to mobility technology.

About SAE: Purpose



Materials

Environmental Standards



**Counterfeit Parts
Avoidance**

Standard Parts



Deicing

Human Factors

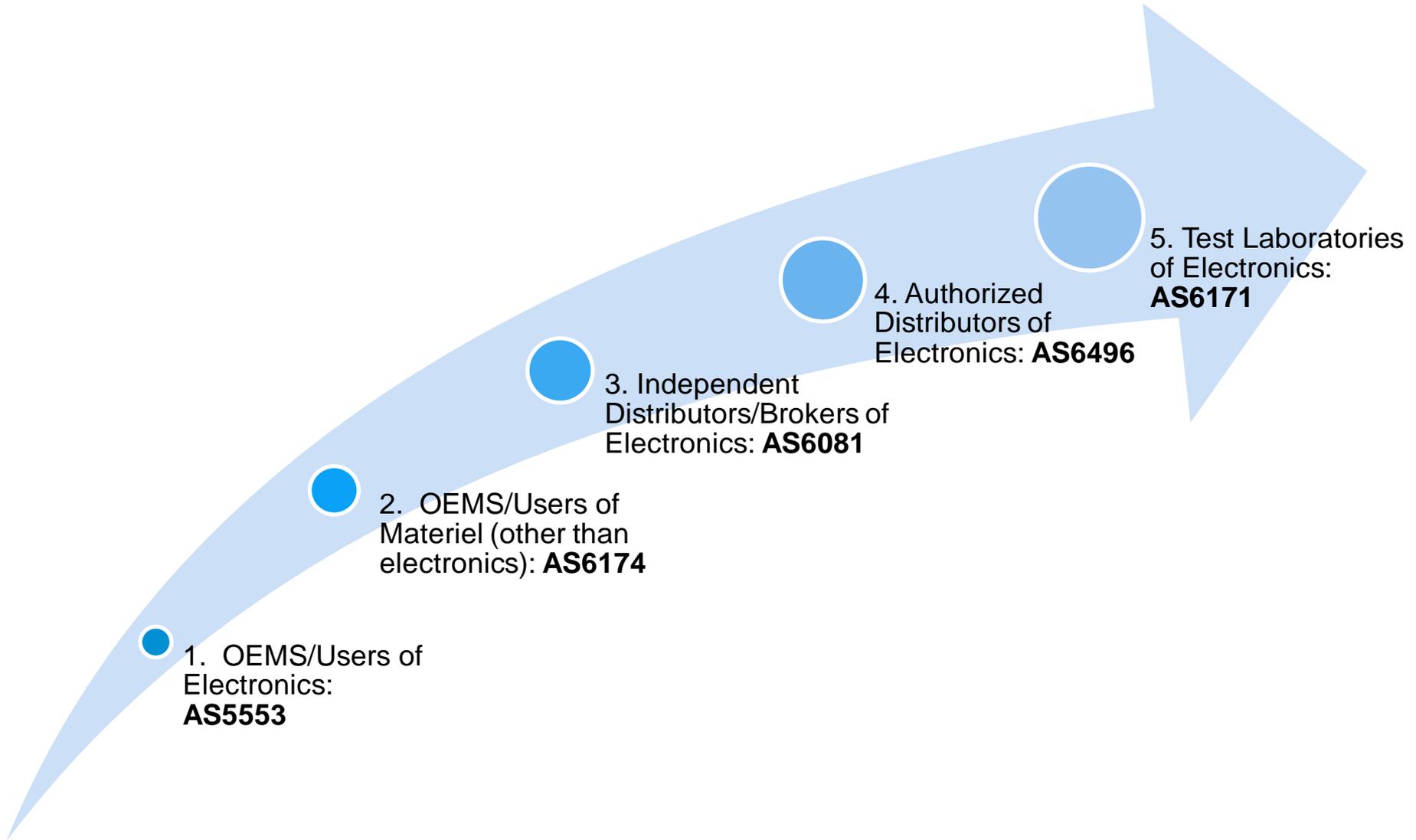


Military Avionics

**Integrated Vehicle
Health Management
(IVHM) & Reliability**



G-19 & G-21 Counterfeit Prevention & Detection Standards



SAE G-19 & G-21 Document Proposed Roadmap, 2014

G-19 Counterfeit Electronic Components Committee Oversight

G-21 Counterfeit Materiel Committee Oversight

Auditor Competency (ASxxxx)

Proficiency Test Provider

Certification Body

Test Provider

Original Component Manufacturer

Distributor

Original Equipment Manufacturer/User/MRO

Test Provider

Operator(s) Certified to PT Scheme for Identified AS6171 Test Methods

**Authorized/
Franchised**

**Broker/
Independent**

AS6171, Test Methods Standard; Counterfeit Electronic Parts, SAE G-19A

ASxxxx, Compliance Standard or Guide (Includes Audit Checklist) SAE G-19C

ASxxxx, OCM Counterfeit Mitigation Subcommittee. SAE G-19O

ASxxxx, Compliance Standard or Guide (includes Audit Checklist) SAE G-19C

AS6496, Authorized Distributor Counterfeit Mitigation Sub-com. SAE G-19AD

ASxxxx, Compliance Standard or Guide (Includes Audit Checklist) SAE G-19C

AS6081, Counterfeit Electronic Parts Avoidance, ID's. SAE G-19D

AS6301, Compliance Standard or Guide (includes Audit Checklist) SAE G-19C

ARP6178, Counterfeit Electronic Parts; Tool for Risk Assessment of Distributors. Worksheet and User Guide. SAE G-19DR

AS5553A, Fraudulent/Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition. SAE G-19CI

AS6462, AS5553, Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition Verification Criteria Includes Audit Checklist. SAE G-19C

AS6174, Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel SAE G-21

AS6174, Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel Commodity Slash Sheets in Rev. A document. SAE G-21

ASxxxx, Compliance Standard or Guide (Includes Audit Checklist) SAE G-21C

AIR6273, Terms and Definitions – Fraudulent/Counterfeit Electronic Parts SAE G-19T

ASxxxx, Anti-Tamper and Transportation Security G-19AT

Published

In Development

Gap

AS5553 Summits

- **January 2015 – Govt vs Industry (prescriptive vs. performance, detailed vs. overview, etc.)**
- **March 2015 – AS5553 compared to DFARs**
- **May 2015 – Traceability & Reporting**
- **May 2015 – European Input**

Summary: Reaching Consensus

Standards as Digital Data

- **XML conversion underway in conjunction with XSB and other SDOs**
- **3D part drawing pilot project underway with PartSolutions**

Summary: Moving Ahead

Summary of SAE G-19/G-21 Aerospace Standards

Standard	Title	Status
SAE AS5553A (G19-CI)	Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition	Issued January 2013 and available at www.sae.org
SAE AS6462 (G19-C)	Verification Criteria for Certification against AS5553	AS5553 verification criteria for first release published – 2011-11. Discussions underway for certification programs/schemes. Rev. A verification criteria under development
SAE AS6171 (G19-A)	Test Methods Standard; Counterfeit Electronic Parts	In draft; Individual test methods balloted. Main document balloting expected in 4Q-2013
SAE AIR6273 (G19-T)	Terms and Definitions:	In draft. Expected balloting in Q4-2014.

Summary of SAE G-19/G-21 Aerospace Standards

Standard	Title	Status
SAE AS6081 (G19-D)	Counterfeit Electronic Parts Avoidance – Independent Distributors	Published 2012-11. Rev. A in development.
SAE AS6301 (G19-C)	Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition – Independent Distributors Verification Criteria	In draft.
SAE ARP6178 (G19-DR)	Counterfeit Electronic Parts; Tool for Risk Assessment of Distributors	Published 2011-12.
SAE AS6496 (G19-AD)	Authorized Distributor Counterfeit Mitigation	In draft. Expected publication Q3-2014.
SAE AS6174 (G-21)	Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel	Published May 2012. Rev. A Release est. August 2014.

SAE INTERNATIONAL

QUESTIONS?

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