



SURFACE VEHICLE/AEROSPACE RECOMMENDED PRACTICE

JA1000™

AUG2021

Issued 1998-06
Reaffirmed 2012-05
Stabilized 2021-08

Superseding JA1000 MAY2012

Reliability Program Standard

RATIONALE

Users who are currently using JA1000_201205, "Reliability Program Standard," are advised to consider GEIASTD0009A, "Reliability Program Standard for Systems Design, Development, and Manufacturing," revised May 27, 2020, for future projects needing a technical standard for Reliability Programs.

STABILIZED NOTICE

This document has been declared "Stabilized" by the SAE G-41 Reliability Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

SAE Executive Standards Committee 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 © 2021 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 JA1000_202108

For more information on this standard, visit
https://www.sae.org/standards/content/JA1000_202108

Documents

Document Sharing Hub

Foreword—In June of 1995 the SAE G-11 Reliability, Maintainability, Supportability, and Logistics (RMSL) Division standards section chartered a subcommittee to create a reliability program standard. The subcommittee was comprised of representatives from industry, government, and academia. In response to that charter, this standard has been developed.

The subcommittee has endeavored to develop a standard that would reflect current commercial practices and meet the objectives of the United States Department of Defense Acquisition Reform initiative. This performance based standard was developed in recognition of today's intense and competitive market demands for high reliability, affordability, and speed to market.

This document relies heavily upon the supplier-customer dialogue, and it intentionally allows suppliers great freedom to uniquely tailor reliability programs. However, it was recognized that, in addition to the requirements of this document, guidance for developing reliability programs is frequently required. Consequently, the subcommittee has also been chartered to produce an implementation guide (SAE JA1000-1). The implementation guide describes methods that may be used to satisfy the requirements of this standard. In addition, the standard and implementation guide are intended to become part of a set of comprehensive RMSL Standards planned by the G-11 Division to replace selected Military Standards and Specifications.

The professionals in the subcommittee gratefully acknowledge the support from their companies, and from many individuals and organizations.

1. Scope

1.1 Purpose—This SAE standard establishes the requirement for suppliers to plan a reliability program that satisfies the following three requirements:

- a. The supplier shall ascertain customer requirements
- b. The supplier shall meet customer requirements
- c. The supplier shall assure that customer requirements have been met

1.2 Applicability—This document applies to the specification, design and development, and assurance of any product.

1.3 Tailoring—This document does not specify the methods to be included in the program. Rather, the content of each program must be tailored to satisfy customer requirements using the most appropriate means.