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Guide

Guide for Implementing Software Development Files Conforming to DoD-STD-2167A



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Guide for Implementing Software Development Files Conforming to Dod-STD-2167A

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Abstract

The DoD Standard, DoD-STD-2167A, establishes uniform requirements for software development that are applicable throughout the system life cycle, and it is used by several Federal Agencies. That standard has been recognized to be applicable to software developments in the larger aerospace community. This AIAA Guide facilitates the computerized implementation of software development file requirements where a large part of the information is provided through the software engineering environment.

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Foreword

This *Guide for Implementing Software Development Files Conforming to DoD-Std-2167A* has been sponsored by the American Institute of Aeronautics and Astronautics (AIAA) as part of its Standards Program.

In DoD-Std-2167A, the precise definition of SDFs is deferred to the contracting agency and the contractor. The content, style, and format of SDFs are not specified in Data Item Descriptions as other deliverable documents under DoD-Std-2167A. Therefore, the contents of SDFs and whether they are in hard copy or computerized form may differ widely between different defense system software developers.

This AIAA Guide is based on an analysis of the requirements in DoD-Std-2167A for Software Development Files and presents a generalized process for implementation. Important design issues and trades are discussed to aid the practical implementation by individual organizations. Although it is specifically written to guide the user to be compliant with DoD-Std-2167A, similar requirements occur in other government agencies and within the larger aerospace industry.

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This document was approved by the Software Systems Committee on Standards in April 1990.

The AIAA Standards Technical Council (William W. Vaughan, Chairman) approved the document in November 1990.