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Space systems — Programme management — Management of product characteristics



National foreword

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Foreword

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This document was prepared by ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 14, *Space systems and operations*.

Introduction

During the development of space products, it is important to identify critical and major characteristics, and to annotate them in drawings and technical specifications. In design, proper product characteristic classification helps to improve the design quality. In production, proper product characteristic classification helps manufacturing activities successfully implement design requirements, and also helps producers control the characteristics which are critical to keeping the stability and traceability of product quality. In inspection, characteristic classification facilitates effective allocation of inspection effort. Meanwhile, it ensures realization of critical and major characteristics, quality of end product and the preset mission by performing management requirements through all of the development stages.

This document mainly defines the critical, major and minor characteristics of space products, describes the whole management process of product characteristics and specifies related management requirements.

This document focuses on management requirements for identification and control of space product characteristics, especially for critical and major characteristics, which are closely connected with end product quality and mission success, and enhances cost-effective applications in the life cycle of a space product.

In addition, this document will help to clarify and enhance current practices to improve quality assurance, and promote international cooperation.

