



BSI Standards Publication

Space systems — Fiber optic components — Design and verification requirements

National foreword

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Foreword

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

Introduction

Fibre optic sub-systems are finding increasingly wide utilizations in space systems. In these fibre optic sub-systems, fibre optic components are the significant elements. Hence, the reliability of fibre optic components is essential to the system lifetime, performance and safety. For space applications in particular, the environmental adaptability of fibre optic components can be a critical factor in the mission schedule and success.

This document is a directive document for fibre optic components, which are sorted as a specific category used in space systems. In this document, the design and verification requirements for fibre optic components focus on the space environmental adaptability and reliability, the pertinent procedures and concerns are described in order to provide safe and reliable hardware and operation.

NOTE Each manufacturer could suggest to the customer that tailoring is possible for any part of the standard that seems difficult to apply because of a manufacturing process that is being used.

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