

BS ISO 12384:2010



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Aerospace — Requirements for digital equipment for measurements of aircraft electrical power characteristics

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This British Standard is the UK implementation of ISO 12384:2010.

The UK participation in its preparation was entrusted to Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

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numériques de mesure des caractéristiques de puissance électrique
à bord des aéronefs*



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Foreword

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ISO 12384 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 1, *Aerospace electrical requirements*.

ISO 12384 is closely allied with ISO 1540 and references from one to the other are freely used, particularly from ISO 12384 to ISO 1540. The proper use of this International Standard through referencing the applicable specific digital measurement methods should simplify the preparation of specifications and help to expedite the purchase and acceptance of the digital measuring equipment.

Introduction

Various types of digital measuring equipment for electrical power characteristics are applied to the aircraft electrical system. There is no International Standard for digital measuring equipment for electrical power characteristics in the aerospace industry. The purpose of this International Standard is to explain, establish and standardize specific methods for digital measurements of the aircraft electrical system. The intended use of this International Standard is to define how to measure parameters of electrical characteristics in aircraft electrical power systems. The specific measurement methods are included here, while the terminology and general methods of digital measurement and signal processing are also presented. The requirements of digital measuring equipment are verified by testing of the aircraft electrical system.

