

BS ISO 22072:2011



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Aerospace — Electrohydrostatic actuator (EHA) — Characteristics to be defined in procurement specifications

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National foreword

This British Standard is the UK implementation of ISO 22072:2011. It supersedes BS ISO 22072:2005 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ACE/69, Aerospace hydraulic systems, fluids and components.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Aerospace — Electrohydrostatic actuator (EHA) — Characteristics to be defined in procurement specifications

*Aéronautique et espace — Actionneurs électrohydrostatiques (EHA) —
Caractéristiques à définir dans les spécifications d'approvisionnement*





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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 22072 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 10, *Aerospace fluid systems and components*.

This second edition cancels and replaces the first edition (ISO 22072:2005), which has been technically revised. This second edition adds requirements for electronic module hardware (4.3.5), operation under failure conditions (4.4.5), electrical power consumption and regeneration (4.5) and fatigue wear life (4.7.2).

Introduction

Electrohydrostatic actuators (EHAs) are integrated, electrically powered, hydraulic actuators that are used to power aircraft control surfaces or other moving parts.

This International Standard provides requirements that should be included in a Procurement Specification for this type of actuator.

