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Space systems — Man-systems integration

Systèmes spatiaux — Intégration homme-systèmes

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

International Standard ISO 17399 was prepared by NASA (as NASA-STD-3000, Volumes 1 to 3) and was adopted (without modifications except those stated in Clause 2 of this International Standard) by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 14, *Space systems and operations*.

Space systems — Man-systems integration

1 Scope

This International Standard defines all generic requirements for manned space flight vehicle/habitat structures and flight crew training or simulation facilities and the related equipment that directly interfaces with manned space system flight crew members. This International Standard covers the field of human factors as they relate to the space environment and space habitats. These man–systems integration requirements are applicable to space system launch, re-entry, on-orbit and extraterrestrial environments.

The requirements specified herein are applicable to new manned space flight programmes and projects.

2 Requirements

The requirements are the same as those stated in the following publications, which are adopted as International Standards:

NASA-STD-3000, *Man-systems integration standards — Volume 1 Revision B, July 1995*[1)]

NASA-STD-3000, *Man-systems integration standards — Volume 2 Appendices, Revision B, July 1995*[1)]

NASA-STD-3000, *Man-systems integration standards — Volume 3 Design handbook, August 1994*[1)]

For the purposes of international standardization, the modifications outlined below shall apply to the following pages of publication NASA-STD-3000, Volumes 1, 2 and 3.

Volume 1, pages i to vi

This part contains information that is relevant to the NASA publication only.

Volume 2, pages i to vi and Appendices F, I and K

These parts contain information that is relevant to the NASA publication only.

Volume 3, pages i and ii

This part contains information that is relevant to the NASA publication only.

3 Revision of publication NASA-STD-3000, Volumes 1, 2 and 3

It has been agreed with the NASA that Subcommittee ISO/TC 20/SC 14 will be consulted in the event of any revision or amendment of publication NASA-STD-3000 Volumes 1, 2 and 3. To this end, AIAA will act as a liaison body between NASA and ISO.

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1) Address of originating organization: NASA, Johnson Space Center, Mail Code: SF-3, Houston, TX 77058, USA, or http://www.jsc.nasa.gov/.

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