

*For Comments Only*

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

*(Not to be reproduced without the permission of BIS or used as an Indian Standard)*

भारतीय मानक मसौदा

अंतरिक्ष प्रणालियाँ — द्रव तंत्र की सतह की सफाई  
भाग 6 परिशुद्ध-सफाई प्रक्रियाएँ

*Draft Indian Standard*

**SPACE SYSTEMS — SURFACE CLEANLINESS OF FLUID SYSTEMS  
PART 6 PRECISION-CLEANING PROCESSES**

ICS : 49.080

---

**Air and Space Vehicles Sectional Committee, TED 14**

**Last date for receipt of comments is  
25/09/2023**

---

Air and Space Vehicles Sectional Committee, TED 14

NATIONAL FOREWORD

*(Formal Clause to be added later)*

This standard is one of a series of Standards on the Space systems — Surface cleanliness of fluid systems. Other standard in this series are:

<i>Doc. No.</i>	<i>Title</i>
Doc (22927)/ ISO 14952-1 : 2003	Space systems — Surface cleanliness of fluid systems — Part 1 Vocabulary ( <i>under development</i> )
Doc (22930)/ ISO 14952-2 : 2003	Space systems — Surface cleanliness of fluid systems — Part 2 Cleanliness levels ( <i>under development</i> )
Doc (22931)/ ISO 14952-3 : 2003	Space systems — Surface cleanliness of fluid systems — Part 3 Analytical procedures for the determination of nonvolatile residues and particulate contamination ( <i>under development</i> )
Doc (22932)/ ISO 14952-4 : 2003	Space systems — Surface cleanliness of fluid systems — Part 4 Rough-cleaning processes ( <i>under development</i> )
Doc (22933)/ ISO 14952-5 : 2003	Space systems — Surface cleanliness of fluid systems — Part 6 Drying processes ( <i>under development</i> )

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment.

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 14952-1 : 2003 Space systems — Surface cleanliness of fluid systems — Part 1 Vocabulary	Doc (22927)/ ISO 14952-1 : 2003 Space systems — Surface cleanliness of fluid systems — Part 1 Vocabulary ( <i>under development</i> )	Identical under dual numbering
ISO 14952-3 : 2003 Space systems — Surface cleanliness of fluid systems — Part 3 Analytical procedures for the determination of nonvolatile residues and particulate contamination	Doc (22931)/ ISO 14952-3 : 2003 Space systems — Surface cleanliness of fluid systems — Part 3 Analytical procedures for the determination of nonvolatile residues and particulate contamination ( <i>under development</i> )	Identical under dual numbering
ISO 14952-5 : 2003 Space systems — Surface cleanliness of fluid systems — Part 5 Drying processes	Doc (22933)/ ISO 14952-5 : 2003 Space systems — Surface cleanliness of fluid systems — Part 5 Drying processes ( <i>under development</i> )	Identical under dual numbering

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment.

<i>International Standard</i>	<i>Title</i>
ISO 14951-3 : 1999	Space systems — Fluids characteristics — Part 3 Nitrogen
ISO 14951-10 : 1999	Space systems — Fluids characteristics — Part 10 Water

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

## SCOPE

This part of ISO 14952 specifies precision-cleaning processes for parts, components and systems used in flight-critical fluid applications. It can be used on equipment for ground support equipment, launch vehicles and spacecraft.

This part of ISO 14952 identifies precision-cleaning processes and procedures that can be used on parts and components used in fluid systems and is applicable equally to ground support equipment, launch vehicles and spacecraft.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 14952-6 : 2003 or CONTACT:**

P. V. Srikanth  
Scientist- D & Head  
Transport Engineering Department  
Bureau of Indian Standards  
9 Bahadur Shah Zafar Marg  
New Delhi 110 002  
Email: [ted@bis.org.in](mailto:ted@bis.org.in), [hted@bis.org.in](mailto:hted@bis.org.in)  
Telefax: 011- 2323 6311