

For Comments Only

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा

**अंतरिक्ष पद्धतियां - दबाव वाहिकाएँ और दबावयुक्त
संरचनाएँ — डिज़ाइन और प्रचालन**

Draft Indian Standard

**SPACE SYSTEMS — PRESSURE VESSELS AND PRESSURIZED
STRUCTURES — DESIGN AND OPERATION**

Air and Space Vehicles Sectional Committee, TED 14

**Last date for receipt of comments is
XX/XX/XXXX**

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Air and Space Vehicles Sectional Committee, TED 14

NATIONAL FOREWORD

(Formal Clause to be added later)

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.

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.

This Standard also makes a reference to the BIS Certification Marking of the Product. Details of which is given in National Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

SCOPE

This International Standard, based on general space experience and practice, specifies general and detailed requirements for metallic pressure vessels, composite overwrapped pressure vessels with metallic liners and metallic pressurized structures used in space systems. It is not applicable to pressure components (lines, fittings, valves, hoses, etc.) or to special pressurized hardware (batteries, heat pipes, cryostats and sealed containers).

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 14623 : 2003 or CONTACT:

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NATIONAL ANNEX A
(National Foreword)

A-1 BIS CERTIFICATION MARKING

A-1.1 The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark