**Doc: TED 14 (22945)WC**
**ISO 16679 : 2015**
**July 2023**

*For Comments Only*

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**



भारतीय मानक मसौदा

# अंतरिक्ष प्रणालियां — एलवी/एससी पृथक्करण के बाद सापेक्ष गति विश्लेषण तत्व

**Draft** *Indian Standard*

# SPACE SYSTEMS — RELATIVE MOTION ANALYSIS ELEMENTS AFTER LV/SC SEPARATION

ICS: 49.140

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|---|---|
| **Air and Space Vehicles Sectional Committee, TED 14** | **Last date for receipt of comments is 26/09/2023** |

**Doc: TED 14 (22945)WC**
**ISO 16679 : 2015**
**July 2023**

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.

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exists. The corresponding Indian Standard, which is to be substituted in its respective place, is listed below along with its degree of equivalence for the edition indicated. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment.

| *International Standard* | *Corresponding Indian Standard* | *Degree of Equivalence* |
|---|---|---|
| ISO 14303 Space systems — Launch-vehicle-to-spacecraft interfaces | Doc (22925) / ISO 14303:2002 Space systems — Launch-vehicle-to-spacecraft interfaces (*under development*) | Identical under dual numbering |

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 International Standard provides relative motion analysis elements after LV/SC separation, including analysis input, analysis principle, analysis method and analysis output. It is applicable to the mission design and verification for the prediction of relative motion after LV/SC separation.

This International Standard focuses on the relative motion between the objects involved in one launch mission. It does not cover the issues about the collision avoidance between newly launched objects and on-orbit ones.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 16679 : 2015 or CONTACT:**

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