

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Wind energy generation systems – Part 29: Marking and lighting of wind turbines

(ICS 27.180)

Wind Turbines
Sectional Committee, ETD 42

Last date for Comments -21/11/2023

FOREWORD

(Formal clauses will be added later)

This Draft Standard which is identical with IEC TS 61400-29-2023 ‘Wind energy generation systems – Part 29: Marking and lighting of wind turbines’ issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the Wind Turbines Sectional Committee and approval of the Electrotechnical Division Council.

The text of the IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears 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 International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 62443-4-2:2019, Security for industrial automation and control systems - Part 4-2: Technical security requirements for IACS components	IS/IEC 62443-4-2 : 2019 Security for Industrial Automation and Control Systems Part 4 Sec 2 Technical Security Requirements for IACS Components	Identical with IEC 62443-4-2 : 2019

The technical committee has reviewed the provisions of the following international standards referred in this adopted standard and decided that they are acceptable for use in conjunction with this standard.

<i>International Standard</i>	<i>Title</i>
IEC 61400-3-1:2019	Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines
International Civil Aviation Organization	Annex 14, Aerodromes – Volume I – Aerodromes Design and Operations. 8th Edition, July 2018
International Civil Aviation Organization	Aerodrome Design Manual – Part 4 – Visual Aids (Doc 9157 – Part 4). 5th Edition. 2021
European Union Aviation Safety Agency (EASA),	Certification Specifications and Guidance Material for Aerodromes Design CS-ADR-DSN, Issue 5, June 2021
Federal Aviation Administration. Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment, 11 March 2019
Federal Aviation Administration. 70/7460-1M	Obstruction Marking and Lighting, 16 November 2020
IALA Recommendation R0139 (O-139)	The Marking of Man-Made Offshore Structures, Edition 3.0, December 2021

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, 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.

Note: The technical content of their document has not been enclosed as there are identical with the corresponding IEC standards for details, please refer the corresponding IEC 61400-29-2023 or kindly contact:

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