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NB/T 11664-2024

**Technical Specification for 3D Real Scene Modeling of Oblique
Photography for Hydropower Projects**

水电工程倾斜摄影实景三维建模技术规程

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Foreword

This document was issued on 24 September 2024 by the National Energy Administration of the PRC and takes effect on 24 March 2025.

It is a NB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

It is classified under ICS 27.140, Chinese classification P59.

This specification was prepared in accordance with the requirements of the Notice of the General Department of the National Energy Administration on Issuing the 2021 Plan for the Formulation and Revision of Energy Sector Industry Standards and the Plan for Translation of Foreign-Language Versions (Guo Neng Zong Tong Ke Ji [2021] No. 92). The drafting group conducted extensive investigation and research, carefully summarized practical experience, referred to advanced standards at home and abroad and, on the basis of wide solicitation of opinions, formulated this specification.

The main technical contents of this specification are: general provisions; terms and abbreviated terms; basic requirements; schematic design of aerial photography; photo control point layout and survey; data acquisition; aerotriangulation; construction of 3D real scene models; post-processing of 3D real scene models; and quality inspection, assessment and acceptance of results.

The National Energy Administration is in charge of the administration of this specification. China Renewable Energy Engineering Institute proposed it and is responsible for its routine management, and the Engineering Survey Subcommittee of the Energy Industry Standardization Technical Committee for Hydropower Survey and Design (NEA/TC15/SC1) is responsible for the interpretation of its specific technical contents.

Any comments or suggestions arising during the implementation of this specification should be sent to China Renewable Energy Engineering Institute (address: No. A57 and No. B57 Andingmenwai Street, Dongcheng District, Beijing; postcode: 100011).

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In accordance with the Standardization Law of the People's Republic of China and the Administrative Measures for Energy Standardization, the National Energy Administration has approved 384 energy industry standards, including the Design Code for Rock-Filled Concrete Dams (Attachment 1), 32 foreign-language versions of energy industry standards, including the Operation code for liquefied natural gas receiving terminal (Attachment 2), and 2 amendment notices of energy industry standards, including that of the Code for Monitoring of Rock and Soil Mass of Hydropower Projects (Attachment 3), and hereby publishes them.

Attachment 1: Catalogue of industry standards.

Attachment 2: Catalogue of foreign-language versions of industry standards.

Attachment 3: Amendment notices of industry standards.

The announcement is signed by the National Energy Administration and dated 24 September 2024.

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