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PEOPLE'S REPUBLIC OF CHINA**

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Replacing GB/T 28570-2012

**Technical guide of on-line condition monitoring system for
hydraulic turbine and generator units**

水轮发电机组状态在线监测系统技术导则

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 28570-2012 "Technical Guidelines for Online Condition

Monitoring Systems for Hydro-generator Sets" and is compatible with GB/T 28570- Compared with 2012, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

a) Added stator winding end vibration, stator bar slot vibration, stator slip ring temperature, rotor pole core surface temperature, noise The online monitoring requirements for condition monitoring parameters such as noise, bolt stress and carbon brush slip ring temperature are supplemented accordingly.

Corresponding data collection and software functional requirements (see 5.2);

b) Added the measurement point configuration and sensor performance requirements for new condition monitoring parameters (see 7.10 to 7.16, 8.9 to 8.15);

c) Modified some technical indicators of some sensors (see Chapter 8, Chapter 8 of the 2012 edition);

d) The performance requirements for the host computer equipment have been changed to adopt the current mainstream configuration (see 10.2, 10.4, and 10.1, 10.3 of the 2012 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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