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Intelligent service - Performance evaluation method of predictive maintenance

智能服务 预测性维护绩效评价方法

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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.

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Performance evaluation method for predictive maintenance of intelligent services

1 Scope

This document specifies the performance evaluation index system and performance evaluation process for predictive maintenance of industrial equipment.

This document is applicable to manufacturers, users, solution providers and third parties to implement predictive maintenance of industrial equipment to determine its effectiveness and value. Calculation and improvement.

2 Normative references

GB/T 40571-2021

GB/T 43555-2023

3 Terms and definitions

The terms and definitions defined in GB/T 40571-2021, GB/T 43555-2023 and the following apply to this document.

3.1 Predictive maintenance

Maintenance that is performed continuously or intermittently based on observed conditions to monitor, diagnose, or predict the condition of a structure, system, or component. Piece indicator.

[Source. GB/T 40571-2021, 3.5]

3.2 Preventive maintenance

Activities to detect, eliminate or mitigate degradation of structures, systems or components in use so that degradation and failures are kept to acceptable levels.

level to maintain or extend its service life.

[Source. GB/T 40571-2021, 3.6, modified]

3.3 Corrective repair

After a device fails, the fault is repaired to restore the normal operation of the device.

3.4 Maintenance

The combination of all technical and administrative activities performed to maintain or restore a product to a condition where it can perform its required functions.

NOTE. Includes supervisory activities.

[Source. GB/T 2900.99-2016, 192-06-01, modified]

4 General

This document is based on the evaluation of the complete equipment maintenance process