

ICS 25.040
CCS N19



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 48182-2026

**Intelligent services - Predictive maintenance - Safety risk
assessment methods**

智能服务 预测性维护 安全风险评价方法

(English Translation)

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Foreword

GB/T 48182-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the China Machinery Industry Federation.

Classification: ICS 25.040; CCS N19.

1 Scope

This standard describes methods for assessing safety risk in predictive maintenance within the field of intelligent services. Predictive maintenance uses data and analytics to anticipate equipment faults before they occur, and introducing it into industrial operations can create new safety risks that need to be understood and managed.

The document is aimed at industrial enterprises that run predictive maintenance programmes, providers of intelligent maintenance and condition monitoring services, equipment manufacturers, system integrators, safety and risk assessment professionals, and third-party evaluators. It offers a shared approach for those who must evaluate how such services affect the safety of people, equipment and operations.

The standard was issued on 28 August 2026 and takes effect on 1 March 2027. It is a recommended national standard (GB/T), so it is voluntary unless adopted through a contract, internal management system or other binding document.