

ICS 25.040.30
CCS J28



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

GB/T 48316-2026

**Humanoid robots - Technical specification of simulation testing
platform**

人形机器人 仿真测试平台技术规范
(English Translation)

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Foreword

GB/T 48316-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 September 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 April 2027.

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

Classification: ICS 25.040.30; CCS J28.

1 Scope

This recommended national standard sets out the technical specification for a simulation testing platform used with humanoid robots. It addresses the software and platform side of robot evaluation, where virtual environments are used to exercise a humanoid robot before or alongside physical trials. Developers of humanoid robots, builders of simulation tools, test laboratories and system integrators are the natural readers, since a shared platform specification makes results from different tools easier to compare and reproduce.

Issued on 28 September 2026, the document takes effect on 1 April 2027. It is a voluntary standard, so conformity is a matter of contract, procurement or internal policy rather than legal obligation. Anyone planning to enter the Chinese humanoid robotics market, or to align an in-house simulation environment with a national reference, will find it a useful point of comparison for platform capability and test practice.