

ICS 49.020
CCS V70



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

GB/T 48283-2026

Leak test method for spacecraft

航天器检漏试验方法

(English Translation)

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Foreword

GB/T 48283-2026 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 January 2027.

It is under the responsibility of the Standardization Administration of China.

Classification: ICS 49.020; CCS V70.

1 Scope

Leak testing of spacecraft is the topic of this standard, which sets out test methods for detecting leakage. Tightness matters for pressurized structures, propulsion and fluid systems, and sealed equipment in space vehicles, so the document supports the verification of hardware before launch. Spacecraft manufacturers, subsystem suppliers, integration and test teams, leak detection equipment makers and quality assurance engineers are the natural users.

It is a recommended national standard, issued on 28 September 2026. It takes effect on 1 January 2027, earlier than most documents released the same day. No earlier edition is recorded, and use is voluntary unless required by a program specification or contract. Organizations involved in the Chinese space industry supply chain, or those who compare aerospace test practice between countries, can read it to learn how leak detection is organized under the national standard system.