

ICS 19.100
CCS J04



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

GB/T 19943-2026

Replacing GB/T 19943-2005

**Non-destructive testing - Radiographic testing of metallic
materials using film and X-or gamma rays - Basic rules**

无损检测 金属材料X或伽马射线胶片照相检测 基本规则

(English Translation)

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Foreword

GB/T 19943-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 30 July 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 February 2027.

This edition replaces GB/T 19943-2005.

The document adopts an international standard (ISO or IEC).

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

Classification: ICS 19.100; CCS J04.

1 Scope

Radiographic testing with film is still widely used to examine castings, welds and other metallic components, and this standard lays down the basic rules for testing metallic materials with film using X-rays or gamma rays. As the title indicates, it concerns general principles that apply across applications rather than a single product type. It belongs to the non-destructive testing group and is a recommended national standard.

Radiographic testing companies, certified inspectors, quality managers at foundries and fabricators, and procedure writers for pressure equipment and structural work are the natural users. Auditors and customers who review radiographic procedures may also consult it.

The edition was issued on 30 July 2026 and takes effect on 1 February 2027, replacing GB/T 19943-2005. Procedures written to the earlier edition may need to be reviewed in light of the new one.