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**National Standard of the People's Republic of China**

**GB 16357-1996**

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**Radiological Protection Standards for Industrial  
X-ray Detection**

**工业 X 射线探伤放射卫生防护标准**

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# **Non-destructive testing instruments— High frequency constant potential X-ray equipment**

## **1 Subject content and scope of application**

This standard specifies the radiological protection requirements of industrial X-ray detection devices and workplaces and related workers.

This standard applicable to production and use of industrial X-ray detection devices (hereinafter referred to as X-ray devices) at 500KV and below.

## **2 Cited Reference**

GB 4792 Basic health standards for radiological protection

## **3 Terms**

**3.1** Detection at the special X-ray detection room (hereinafter referred to as detection at the detection room)

The process of X-ray radiographic inspection of objects is in the special detection room.

**3.2** X-ray detection at the site (hereinafter referred to as on-site detection)

The process of X-ray radiographic inspection on defects inside the objects by use of a mobile or portable X-ray detection device outdoors is in the production workshop or installation site.

**3.3** Detection room

An irradiation room with certain function of shielding X-ray where X-ray devices and objects subject to X-ray radiographic inspection is placed.

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