## American National Standard for the Performance of Portable Transmission X-Ray Systems for Use in Improvised Explosive Device and Hazardous Device Identification

Accredited by the American National Standards Institute

Sponsored by the National Committee on Radiation Instrumentation, N42

IEEE 3 Park Avenue New York, NY 10016-5997 USA

ANSI N42.55-2013



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Institute of Electrical and Electronics Engineers, Inc.

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**American National Standards Institute** 

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**Abstract:** The purpose of this standard is to establish requirements and methods of test for portable transmission x-ray systems for use in improvised explosive device and hazardous device disarming and render safe operations. These systems include those that provide still and/or video images. This standard does not apply to cabinet x-ray systems, such as those used for security screening, and backscatter x-ray systems.

**Keywords:** ANSI N42.55, hazardous devices, improvised explosive devices, performance standard, portable x-ray system, transmission x-ray system

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