

## Project Summary:

# American National Standards Institute (ANSI) N42.37 Development

### Location:

Oak Ridge Associated Universities  
(Oak Ridge, TN)

National Institute for Standards and Technology  
(Gaithersburg, MD)

### Government Agency:

U.S. Department of Homeland Security

### Project Timetable:

2004 to 2006

ANSI N42.37 is available through the American National Standards Institute and the Institute of Electrical and Electronics Engineers.

Oak Ridge Associated Universities (ORAU) lent its reputation and expertise in health physics instrumentation and training in the development of the American National Standards Institute (ANSI) N42.37, formally known as the “American National Standard for Training Requirements for Homeland Security Purposes Using Radiation Detection Instrumentation for Interdiction and Prevention.”

Officially released in April of 2007, the standard provides training in basic radiation detection and the proper use of detection instruments in support of homeland security. Training is divided into three levels and is primarily intended for law enforcement, private sector security personnel, members of the U.S. Postal Service and private shippers. Participants gain a basic understanding of radiation and radioactivity before learning about radiation detection, assessment, identification and their roles in interdiction and prevention.

The intent of the working group’s efforts in producing this standard was to focus on radiation training associated with events occurring before, rather than after, a radiological event. ANSI N42.37 also cites previously developed standards N42.32 through N42.35, which identify radiological detection devices including personal, portable and hand-held instruments, and portal monitors.

ORAU contributed to the project by:

- Serving as co-chair in the development of ANSI N42.37.
- Participating in regular meetings of the working group, primarily held at the National Institute for Standards and Technology (NIST) in Gaithersburg, MD.
- Providing input into assigned training sections of the standard and editing working group draft documents.

ANSI N42.37 was supported by the U.S. Department of Homeland Security, sponsored by the ANSI N42 National Committee on Radiation Instrumentation and accredited by the American National Standards Institute.

Partnerships for Innovation



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Oak Ridge Associated Universities (ORAU) is a university consortium leveraging the scientific strength of major research institutions to advance science and education by partnering with national laboratories, government agencies, and private industry. ORAU manages the Oak Ridge Institute for Science and Education for the U.S. Department of Energy.