

American National Standard Radio Frequency Radiation Hazard Warning Symbol

Sponsor
Co-Secretariats

Institute of Electrical and Electronics Engineers
US Department Navy (Naval Electronic Systems Command)

Approved August 5, 1981
American National Standards Institute

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American National Standard

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Foreword

(This Foreword is not a part of ANSI C95.2-1982, American National Standard Radio Frequency Radiation Hazard Warning Symbol.)

In 1960, the American Standards Association approved the initiation of the Radiation Hazards Standards project C95 under the cosponsorship of the Department of the Navy and the Institute of Electrical and Electronics Engineers. The scope was defined as follows:

Hazards to mankind, volatile materials and explosive devices which are created by man-made sources of electromagnetic radiation. The frequency range of interest extends presently from 10 kHz to 100 GHz. It is not intended to include infrared, X-rays, or other ionizing radiation.

Presently, the Co-Secretariats of the American National Standards Committee C95 are the Naval Electronic Systems Command of the Department of the Navy and the Institute of Electrical and Electronics Engineers. The committee has six subcommittees concerned with:

- I Techniques, Procedures, and Instrumentation
- II, III Terminology and Units of Measurements
- IV Safety Levels and/or Tolerances with Respect to Personnel
- V Safety Levels and/or Tolerances with Respect to Electro-Explosive Devices
- VI Safety Levels and/or Tolerances with Respect to Flammable Materials
- VII Medical Surveillance

To date, four publications of the C95 Committee have been issued. These are:

ANSI C95.1-1974, American National Standard Safety Level of Electromagnetic Radiation With Respect to Personnel

ANSI C95.3-1973, American National Standard Techniques and Instrumentation for the Measurement of Potentially Hazardous Electromagnetic Radiation at Microwave Frequencies

ANSI C95.4-1979, American National Standard Safety Guide for the Prevention of Radio Frequency Radiation Hazards in the Use of Electric Blasting Caps

ANSI C95.5-1981, American National Standard Recommended Practice for the Measurement of Hazardous Electromagnetic Fields — RF and Microwave

This standard defines the design and colors of a symbol which denotes the incidence of electromagnetic energy and application of the symbol in signs intended to warn workers or the public of the presence of potentially hazardous levels of nonionizing electromagnetic radiation.

The Standards Committee on Radio Frequency Radiation Hazards, C95, which reviewed and approved this recommended practice had the following membership at the time of approval:

Saul Rosenthal, Chair
Stephen Caine, Secretary