

# PC95.2

---

**Submitter Email:** [r.c.petersen@ieee.org](mailto:r.c.petersen@ieee.org)

**Type of Project:** Modify Existing Approved PAR

**PAR Request Date:** 16-Feb-2018

**PAR Approval Date:** 14-May-2018

**PAR Expiration Date:** 31-Dec-2021

**Status:** Modification to a Previously Approved PAR for the Revision of a Standard

**Root PAR:** PC95.2 **Approved on:** 17-Feb-2017

**Root Project:** C95.2-1999

---

**1.1 Project Number:** PC95.2

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

---

**2.1 Title:** Standard for Radio-Frequency Energy and Current-Flow Symbols

---

**3.1 Working Group:** Terminology, Units of Measurements and Hazard Communications Working Group (SASB/SCC39/TC95\_SC2)

**Contact Information for Working Group Chair**

**Name:** Richard Tell

**Email Address:** [rtell@radhaz.com](mailto:rtell@radhaz.com)

**Phone:** 702-346-5550

**Contact Information for Working Group Vice-Chair**

None

---

**3.2 Sponsoring Society and Committee:** IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety (SASB/SCC39)

**Contact Information for Sponsor Chair**

**Name:** jafar keshvari

**Email Address:** [jafar.keshvari@intel.com](mailto:jafar.keshvari@intel.com)

**Phone:** 00358504837565

**Contact Information for Standards Representative**

**Name:** Ronald Petersen

**Email Address:** [r.c.petersen@ieee.org](mailto:r.c.petersen@ieee.org)

**Phone:** 908 234 0373

---

**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 02/2018

**4.3 Projected Completion Date for Submittal to RevCom**

**Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 08/2018**

---

**5.1 Approximate number of people expected to be actively involved in the development of this project:** 38

**5.2 Scope:** This standard defines the design of symbols denoting the incidence of radio-frequency (RF) electromagnetic energy in the frequency range from 3 kHz to 300 GHz. The standard also defines the use of these symbols in signs and labels intended to warn workers and the public of the presence of potentially hazardous levels of RF energy and other hazards that may arise from RF energy, such as RF induced currents, shocks, or burns. Guidance on the application and placement of these signs in operational settings is not within the scope of this document.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** The purpose of this standard is to provide a single reference source for recommendations that are consistent with IEEE Std C95.1 and the ANSI/NEMA Z535 series of standards for the standardized design of warning symbols, signs and labels that may be used for alerting individuals to the potential for exposure to electric,

**Changes in scope:** ~~Description~~ This standard defines symbols for design radio of frequency symbols radiation denoting and the radio incidence of radio-frequency induced (RF) and electromagnetic contact energy currents in the frequency range of from 3 kHz to 300 GHz. The standard also defines the use of these symbols in signs and labels intended to warn workers and the public of the presence of potentially hazardous levels of RF energy and other hazards that may arise from RF energy, such as RF induced currents, shocks, or burns. Guidance on the application and placement of these signs in operational settings is not within the scope of this document.

**Changes in purpose:** The purpose of this standard is to provide a single reference source for recommendations that are consistent with IEEE Std C95.1 and the ANSI/NEMA Z535 series of standards for the standardized design of warning symbols, signs and labels that may be used on signs for alerting and informing individuals of the potential

magnetic and electromagnetic fields and associated induced and contact currents and contact voltages.

for exposure to electric, magnetic and electromagnetic fields and associated induced and contact currents and contact voltages.

**5.5 Need for the Project:** A revised version of the standard is needed to provide recommendations to organizations wishing to properly post safety signage at sites where radio frequency fields may require control for managing personnel safety. This revision will address issues that have been raised relative to signage since the last publication of the standard and will ensure harmonization with the requirements of IEEE Std C95.1-2005 (IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz) and C95.6-2002 (IEEE Standard for Safety Levels with Respect to Human Exposure to Electromagnetic Fields, 0-3 kHz), which are now being revised and merged into a single standard (project PC95.1).

**5.6 Stakeholders for the Standard:** Broadcasting, wireless telecommunications, industrial hygiene, safety personnel

---

### Intellectual Property

**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** No

**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

---

**7.1 Are there other standards or projects with a similar scope?:** No

### 7.2 Joint Development

**Is it the intent to develop this document jointly with another organization?:** No

---

**8.1 Additional Explanatory Notes:** This revision process will include consideration of the following warning signs/symbols:

ANSI Z535.1-2006 (R2011), American National Standard for Safety Color Code.

ANSI Z535.2-2011, American National Standard for Environmental and Facility Safety Signs.

ANSI Z535.3-2011, American National Standard for Criteria for Safety Symbols.

ANSI Z535.4-2011, American National Standard for Product Safety Signs and Labels.

ANSI Z535.5-2011, American National Standard for Safety Tags and Barricade Tapes (for Temporary Hazards).

**Reason for revision of PAR:** The revised scope is more descriptive of the expanded content of the draft standard.