

COC-7

Code of Compliance for labelling and signage of ionising radiation sources 2022

Issued February 2023

This code was approved for publication by the Chief Executive of the South Australian Environment Protection Authority on 7 February 2023.

This code provides the mandatory requirements for labelling and signage of radiation sources that includes radiation apparatus, sealed sources and unsealed radioactive materials.

It should be read in conjunction with the [Radiation Protection and Control Act 2021](#) and the [Radiation Protection and Control Regulations 2022](#).

Citation

This code may be cited as the *Code of Compliance for labelling and signage of ionising radiation sources 2022*.

Part 1 – Preliminary

1 Interpretation

In this code, unless the contrary intention appears—

Any terms used have the meanings given to them in the *Radiation Protection and Control Act 2021* (RPC Act) and in the *Radiation Protection and Control Regulations 2022* (RPC Regulations).

If a word or phrase is defined in this code, other parts of speech and grammatical forms of the word or phrase have corresponding meanings:

apparatus means ionising radiation apparatus to which this code applies **ARPANSA** means Australian Radiation Protection and Nuclear Safety Agency

radiation symbol means the radiation symbol described and shown in Schedule 1 of this code.

2 Application of code

This code applies to radiation sources regulated under the RPC Act or RPC Regulations.

3 Interaction between the regulations and relevant codes

- (1) If a provision of this code is inconsistent with the regulations, the regulations prevail to the extent of the inconsistency.
- (2) A provision of a code or other document, published by the ARPANSA, is inconsistent with this code, the provisions of this code prevail to the extent of the inconsistency.

Part 2 – Special requirements

4 Labelling apparatus

- (1) Apparatus must have attached to, or adjacent to, the control which actuates the production of ionising radiation, a label that—
 - (a) complies with the requirements of *AS 1319–1994 Safety Signs for the Occupational Environment* (as in force from time to time) applying to warning signs; and
 - (b) bears the words 'RADIATION PRODUCED WHEN ENERGISED' or words to that effect; and
 - (c) bears the radiation symbol; and
 - (d) is clearly legible at a distance of 2 metres.

5 Signage of areas in which apparatus are located

- (1) The sign must—
 - (a) comply with the requirements of *AS 1319–1994 Safety Signs for the Occupational Environment* (as in force from time to time) applying to warning signs; and
 - (b) bear the words 'RADIATION AREA' or 'X-RAYS' or words to that effect; and
 - (c) bear the radiation symbol; and
 - (d) have a total surface area of not less than 4,500 square millimetres; and
 - (e) be clearly legible at a distance of 2 metres.
- (2) A sign complying with subclause (1) above must be clearly displayed—
 - (a) at each entrance to any room—
 - (i) in which fixed ionising radiation apparatus is installed; or
 - (ii) that is designated as the room in which mobile or portable ionising radiation apparatus is normally kept and used; or
 - (b) in the case of an open area installation—at each walkway or access route to the installation.
- (3) Subclause (1)(a) above, does not apply to an entrance to the room from a place or another room which can only be entered from that room.

6 Labelling of sealed and unsealed radioactive materials

- (1) A person who owns a sealed radioactive source or is the registered occupier of a premise in which unsealed radioactive substances are kept, must mark each source and every vessel containing the substance with a sign that—
 - (a) bears the radiation symbol; and
 - (b) bears the words 'RADIOACTIVE'; and
 - (c) contains the identity and activity of the radionuclide.

- (2) A person need not mark a source or a vessel containing radioactive substances if by reason of the size of the source or vessel, it is not reasonably practicable to do so.

7 Signage of areas in which sealed or unsealed radioactive materials are kept

- (1) A person who owns a sealed radioactive source or is the registered occupier of a premise in which unsealed radioactive substances are kept, handled or stored must mark each entrance to the area in which the source or substance is kept, handled or stored with a sign that—
- (a) comply with the requirements of *AS 1319–1994 Safety Signs for the Occupational Environment* (as in force from time to time) applying to warning signs; and
 - (b) bear the words ‘RADIATION AREA’ or ‘STORE FOR RADIOACTIVE MATERIAL’ or words to that effect; and
 - (c) bears the name and telephone number of a person to contact in the event of any emergency arising within or emanating from that area; and
 - (d) bears the radiation symbol; and
 - (e) have a total surface area of not less than 4,500 square millimetres; and
 - (f) be clearly legible at a distance of 2 metres.
- (2) Subclause (1) above does not apply to a sealed radioactive source that is contained within a radiation gauge.

8 Laboratory in which unsealed radioactive material is kept or handled

- (1) A laboratory in which an unsealed radioactive material is kept or handled must have a sign that displays at each entrance to the laboratory—
- (a) the type of the laboratory (as set out in Schedule 1 of the Code of Compliance for Facility Design and Shielding 2022); and
 - (b) the name and full contact details of the person in charge of the laboratory (being a person who holds a licence under section 23 of the RPC Act),

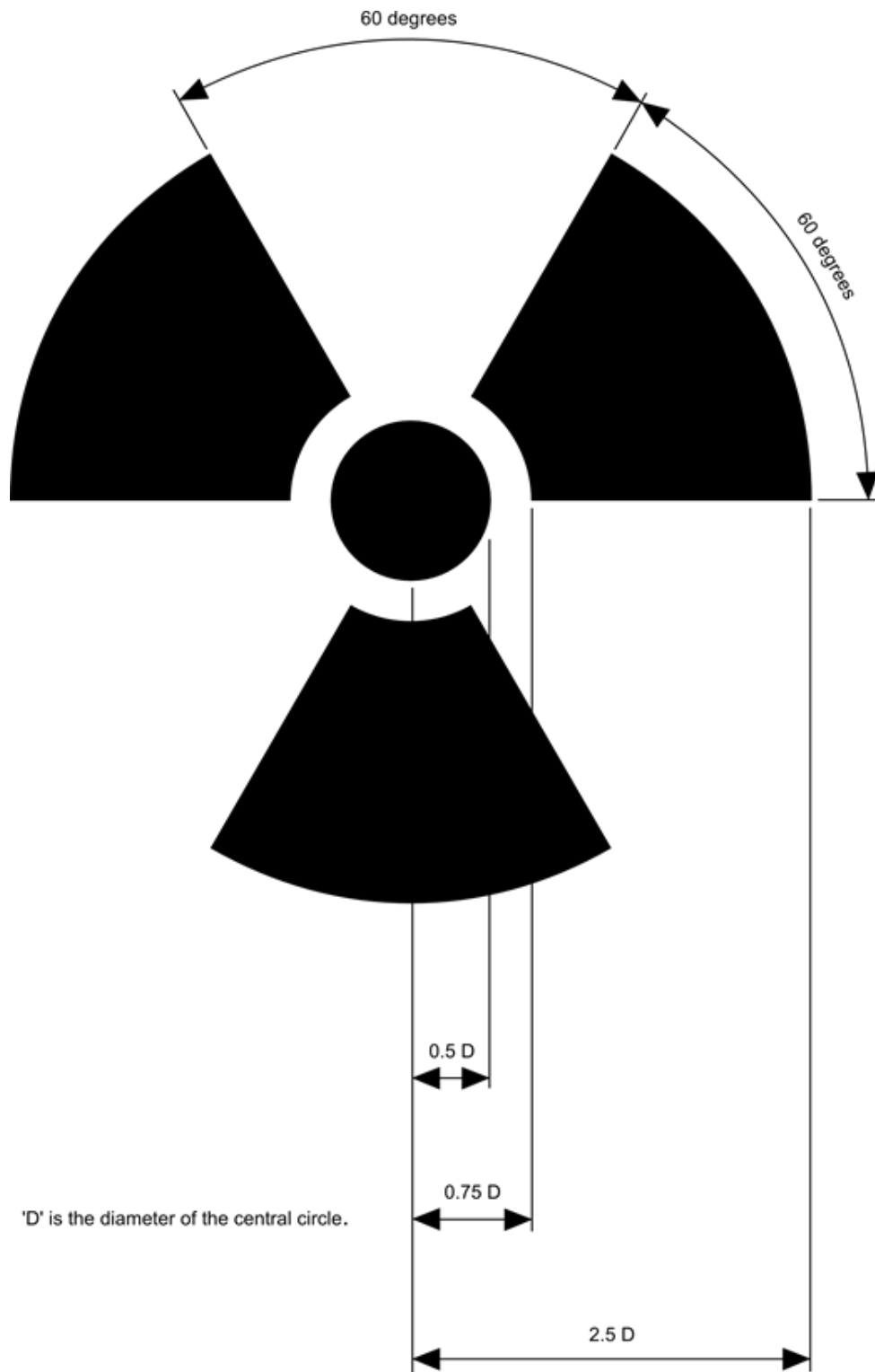
9 Duties of registered occupier of premises in which unsealed radioactive material is kept or handled

- (1) The registered occupier of a premise in which an unsealed radioactive substance is kept or handled must—
- (a) post in a prominent position near to all parts of the premises where radioactive material are kept or handled, a summary of the contingency plan prepared in accordance with regulation 79; and
 - (b) display in a prominent position on the premise, a sign that contains a prohibition against eating, drinking and smoking on the premises.

Part 3 – Schedules

Schedule 1 Radiation symbol

- (1) The radiation symbol consists of the conventional three blade design shown overleaf.
- (2) The symbol and background colours must comply with the requirements of *AS 1319–1994 Safety Signs for the Occupational Environment*.



Document history

Publications

Title	Release	Commencement
Code of Compliance for labelling and signage of ionising radiation apparatus 2022	Second release	11 February 2023

Amendments

Provision	How changed	Commencement
Title	Replace 'apparatus' with 'sources'	11 February 2023
Introductory text	Include link to regulations	11 February 2023
New clauses 6&&	Include requirements for sealed and unsealed materials other than apparatus	11 February 2023

Further information

Legislation

[Online legislation](#) is freely available.

General information

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