

**SSI FS 1992:1**

**Unofficial translation**

**The Swedish Radiation Protection Authority's Regulations  
on Captain's Bearing Instruments and Bearing Compasses  
provided with a Tritium Light Source;**

issued on February 24<sup>th</sup>, 1992.

On the basis of section 3 of the Radiation Protection Ordinance (1988:293), the Swedish Radiation Protection Authority has issued the following regulations.

**Application**

**1 §** These regulations apply to captain's bearing instruments and bearing compasses provided with tritium light radiation sources.

**Exemption from the Radiation Protection Act**

**2 §** The provisions of section 16, first paragraph and section 20, point 1 of the Radiation Protection Act (1988:220) shall not apply to import, transport, acquisition, possession or transfer of single captain's bearing instruments or bearing compasses if the requirements in sections 4-5 and sections 6-7 respectively are fulfilled.

**3 §** For import or manufacture on the purpose of trade with captain's bearing instruments or bearing compasses a licence according to section 20, point 1 of the Radiation Protection Act is needed.

**Captain's bearing instruments**

**4 §** Exemption according to section 2 is granted provided that

1. the bearing instrument is only used for navigation,
2. the activity of the source is not more than 2 gigabecquerel and
3. the source is mounted in such a way that it can not come loose at normal use.

**5 §** A captain's bearing instrument shall be provided with a permanent and legible marking. The marking shall contain

1. information on the fact that the bearing instrument contains a radioactive substance and that this nuclide is tritium,
2. information on the activity contained,
3. type designation and a symbol for ionising radiation,
4. the text "kasserad bäringskikare sänds till ..." <sup>1</sup> added by the name of the company that is to take care of the bearing instrument.

<sup>1</sup> Scrapped bearing instrument is to be sent to ....

### **Bearing compasses**

**6 §** Exemption according to section 2 is granted provided that

1. the bearing compass is only used for navigation,
2. the activity of the source is not more than 15 gigabecquerel and
3. the source is mounted in such a way that it can not come loose at normal use.

**7 §** A bearing compass shall be provided with a permanent and legible marking. The marking shall contain

1. information on the fact that the compass contains a radioactive substance and that this nuclide is tritium,
2. information on the activity contained,
3. type designation and a symbol for ionising radiation,
4. the text "kasserad pejlkompass sänds till ..." <sup>2</sup> added by the name of the company that is to take care of the bearing compass.

### **Exemption**

**8 §** If special grounds exist, the Swedish Radiation Protection Institute may grant exemptions from these regulations.

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These regulations enter into force<sup>3</sup> four weeks after the day when they were published in the Code of Statutes of the Swedish Radiation Protection Authority. At the same time the Radiation Protection Authority's Regulations (SSI FS 1978:1) on the application of the Radiation Protection Act (1958:110) on captain's bearing instruments and the Radiation Protection Authority's Regulations (SSI FS 1979:1) on the application of the Radiation Protection Act (1958:110) on bearing compasses shall cease to apply.

On behalf of the board of the Swedish Radiation Protection Authority

GUNNAR BENGTTSSON

Jonas Karlberg

<sup>2</sup> Scrapped bearing compass is to be sent to ....

<sup>3</sup> i.e. on April 17<sup>th</sup>, 1992