

The Swedish Radiation Protection Institute's Regulations on Medical Examinations for Work involving Ionising Radiation;

issued on October 29, 1998.

On the basis of §§ 7 and 11 of the Radiation Protection Ordinance (1988:293) and after consultation with the National Board of Health and Welfare, the Swedish Radiation Protection Institute has issued regulations as follow.¹

§ 1 These regulations apply to medical examinations of individuals in Category A². The regulations also apply to medical examinations of outside workers³ who are to work within the controlled area.

Definitions

§ 2 The following terms used in these regulations are defined as follows:

medical examination: examination with a scope of no less than that defined in Annex 1, with the aim of determining whether the examined individual runs a particular risk of damage from exposure to ionising radiation or whether, due to other medical obstacles, the individual should be judged not to work with ionising radiation,

health review: evaluation of a submitted health declaration, in accordance with Annex 2, which is the basis for a medical certificate, in accordance with Annex 3,

external irradiation: irradiation from a radiation source which is outside the human body.

Exposure Pathways

§ 3 In these regulations, activities involving ionising radiation are classified into three types, those where:

1. there is mainly a risk of external irradiation and where the probability of contamination by radioactive substances is very low,
2. there is a risk of contamination by radioactive substances through the skin or via the gastric and intestinal tract but where the possibility of internal contamination through inhalation is very low or where
3. there is a risk of internal contamination by radioactive substances through inhalation.

¹ Cf. Council Directive 96/29/Euratom of May 13, 1996 concerning the establishment of basic safety standards for the health protection of workers and general public against the dangers of ionizing radiation. (EGT no. L159, 29.6.1996, p. 1, Celex 396L0029).

² Regulations concerning Category A are included in the Swedish Radiation Protection Institute's regulations (SSI FS 1998:3) on categorisation of workplaces and workers at work with ionising radiation.

³ See the Swedish Radiation Protection Institute's regulations (SSI FS 1996:3) on outside workers in activities involving ionising radiation.

Medical Examinations

§ 4 Registered doctors with specialist competence* in general medicine, company health care or with specialist competence in internal medicine are authorized to carry out medical examinations.

§ 5 A medical examination shall be conducted before an individual is employed in an activity involving Category A radiation. Such a medical examination shall subsequently be conducted no less than once every three years, for as long as the individual is employed.

Health reviews shall be conducted the years in between medical examinations.

A doctor may, if he considers it to be justifiable taking into account the nature of the work, conduct examinations in addition to those specified in Annex 1. If considered necessary, a doctor can also decide to conduct more frequent medical examinations or health reviews.

§ 6 The holder of the licence to conduct the activity (licence-holder) shall ensure that the medical examination or health review is conducted for the personnel affected.

The licence-holder shall also ensure that medical examinations or health reviews have been conducted with respect to outside workers before they start to work within a controlled area.

The examining doctor is entitled to obtain information concerning the radiation doses which the examined individual has received during the past twelve-month period as well as other working conditions which may be of importance to the examination.

§ 7 There are three alternatives for the outcome of a medical examination or a health review:

1. fit for service,
2. fit for service under certain conditions or
3. not fit for service.

Anyone who is assessed as being fit for service may, from a medical standpoint, conduct any type of work involving ionising radiation.

If an individual is considered to be fit for service under certain conditions, the doctor shall, together with the licence-holder, decide whether these conditions are fulfilled or not. If the activity involving ionising radiation is such that one or some exposure pathways, in accordance with § 3, can be excluded, medical difficulties which are related to such excluded exposure situations shall not pose any obstacle to the employment of the examined individual in the activity.

An individual who is assessed as not fit for service must not work with ionising radiation.

§ 8 A medical certificate, on the basis of the medical examination or a health review, shall be made out in accordance with Annex 3 and is valid for a maximum of one year after the date of signature.

§ 9 The licence-holder shall ensure that a medical examination is conducted immediately after it has been found that someone has exceeded any of the annual dose constraints stipulated by the Swedish Radiation Protection Institute. If a dose limit has been exceeded, the licence-holder shall consider the conditions for continued exposure to radiation.

A medical examination shall also be conducted if the Swedish Radiation Protection Institute has particularly stipulated a medical examination after events or incidents in certain activities, regardless of the dose received.

* In Sweden, a registered doctor with specialist competence has competence and experience that are recognized by the National Board of Health and Welfare in accordance with the Board's stipulations.

Documentation

§ 10 The licence-holder shall document, for each employee, the medical examinations and health reviews conducted in accordance with these regulations. The documentation shall contain information concerning the nature of the employment, radiation doses received in the activity and the outcome of medical examinations or health reviews.

§ 11 Documentation in accordance with § 10 shall be kept up-to-date as long as the individual is participating in work involving ionising radiation and shall subsequently be retained until the individual has reached or should have reached the age of 75, although no less than 30 years after termination of the individual's Category A employment.

If the activity ceases before the record retention period expires, the Swedish Radiation Protection Institute shall be informed.

Appeal

§ 12 Decisions made on the basis of a medical examination or evaluation, in accordance with § 5, third paragraph, § 7 or § 9 in these regulations, can be evaluated by the Swedish Radiation Protection Institute. The individual concerned shall be informed of the possibility of such an evaluation at the time that the decision is given.

These regulations enter into force on July 1, 1999, when the Swedish Radiation Protection Institute's regulations (SSI IS 1981:3) concerning a medical examination for radiological work cease to apply.

Provisional Regulations

1. A medical certificate that is issued in accordance with earlier regulations shall, as far as Sweden is concerned, be valid for a period of three years after the date of issue. However, an employer in another country may require a medical certificate that is a maximum of one year old.

2. An authorized person, in accordance with § 4 is also a doctor with a corresponding specialist competence, in accordance with older regulations.

On behalf of the Board of the Swedish Radiation Protection Institute

LARS-ERIK HOLM

Rolf Lewensohn

Scope of the medical examination in accordance with § 2.

A medical examination in accordance with these stipulations shall comprise, at a minimum, the following diagnoses and tests:

- lung function
- heart function
- kidney function

Occurrence or signs of

- skin disease
- neurological disease
- mental illness
- alcohol or drug abuse
- blood disease
- diabetes

Laboratory tests:

Hb
LPK
TPK
U protein

In doubtful cases, the examining doctor can refer the individual to another specialist or consult with the Swedish Radiation Protection Institute.

HÄLSODEKLARATION**för arbete med joniserande strålning***(HEALTH DECLARATION
for work with ionising radiation)*

Fylls i och undertecknas av arbetstagaren samt lämnas till läkaren

*(To be filled in and signed by the employee and handed over to the doctor)*Namn, personnummer, adress, telefon
*(Name, security-number, address, telephone)*Deklarationen gäller nuvarande/fortsatt arbete
(This declaration concerns present work) Anställd sedan
(Employed since)Deklaration inför förstagningsanställning i arbete med joniserande strålning
(This declaration is prior to the first employment with work with ionising radiation) Tillträdesdatum
(Commencement of employment)Arbetsgivare
(Employer)Tidigare långvarig eller allvarlig sjukdom eller skada
(Previous long-term disease or serious injury) nej (no) ja (yes) Om ja, beskriv sjukdomen eller skadan
(If yes, specify the type of disease or injury)Överkänslighet nej (no) ja (yes)
(Hypersensitivity)**IFYLLES VID FORTSATT ARBETE MED JONISERANDE STRÅLNING
TO BE FILLED IN AT CONTINUED WORK WITH IONISING RADIATION**Registrerad strådos under den senaste tolv månadersperioden
(Recorded dose in the last twelve months)mSvHar du sedan föregående hälsodeklaration/läkarundersökning
*(Have you since the last health declaration/medical examination)*vårdats på sjukhus? *(been admitted to hospital?)* nej (no) ja (yes) kontrollerats av läkare på grund av nyligen upptäckt sjukdom?
(been examined by a doctor because of a newly diagnosed disease?) nej (no) ja (yes) ändrat medicinering av någon sjukdom?
(changed medication for any disease?) nej (no) ja (yes) Om något svar är ja, ange tidpunkt, sjukdom och vårdinrättning
*(If any answer is yes, specify time, disease and hospital)*Datum och underskrift *(Date and signature)*

LÄKARINTYG**för arbete med joniserande stråning**

Intyg enligt Statens stråskyddsinstitutets föreskrifter SSI FS 1998:6

(DOCTOR'S CERTIFICATE

For work with ionising radiation

Certificate according to the Regulations (SSI FS 1998:6) of the Swedish Radiation Protection Institute)

Fylls i och undertecknas av läkaren samt lämnas till arbetstagaren

(To be filled in and signed by the doctor and handed over to the employee)

Namn, personnummer, adress, telefon,
(Name, security-number, adress, telephone)

Detta intyg grundar sig på en genomförd läkarundersökning
(The basis for this certificate is a medical examination)

Detta intyg grundar sig på periodisk kontroll
(The basis for this certificate is a health review)

Vid undersökning/uppföljning har inte framkommit något som utgör hinder för arbete med joniserande stråning, Den undersökte bedöms tjänstbar.

(At the medical examination/health review nothing that would prevent work with ionising radiation has been found. The examined person is regarded as fit.)

.....
sign

Vid undersökning/uppföljning har inte framkommit något som utgör hinder för arbete med joniserande stråning under förutsättning att:

(At the medical examination/health review nothing that would prevent work with ionising radiation has been found provided that:)

.....

.....

.....

.....
sign

Den undersökte personen bedöms icke tjänstbar i arbete med joniserande stråning

(The examined person is regarded as unfit for work with ionising radiation)

.....
sign

Datum, underskrift och stämpel *(Date, signature and stamp)*

.....

Den undersökte har enligt 12 § Statens stråskyddsinstitutets föreskrifter (SSI FS 1998:6) rätt att begära prövning om det skulle anses finnas hinder mot arbete med joniserande stråning. Prövning begärs skriftligen vid Statens stråskyddsinstitut, 171 16 Stockholm. Skälet till att prövning begärs skall bifogas.

The examined person has according to § 12 in the Regulations (SSI FS 1998:6) the right to appeal if something that would prevent work with ionising radiation is considered. This is done in writing to the Swedish Radiation Protection Institute, 171 16 Stockholm. The reason for the appeal shall be enclosed.