

**The Swedish Board for Accreditation and Conformity Assessment's
special regulations for accredited laboratories working in the field of
non-destructive testing**

**Guidelines
for the Swedish Board for Accreditation and Conformity
Assessment's regulations as above**

Ratified on 28th November 2003

Copies of these regulations may be ordered from:
The Swedish Board for Accreditation and Conformity Assessment

SWEDAC
Box 878
SE-501 15 BORÅS

Tel. +46 33-17 77 00
Fax +46 33-10 13 92

Web site: www.swedac.se

ISSN 1400-4682
Multitryck, Borås

SWEDAC
Box 2231
SE-103 15 STOCKHOLM

Tel. +46 8-406 83 00
Fax +46 8-791 89 29

The Swedish Board for Accreditation and Conformity Assessment's special regulations for accredited laboratories working in the field of non-destructive testing

Ratified on 28th November 2003

In accordance with the powers vested in it by 20 § of the Ordinance (1993:1065) concerning Conformity Assessment, the Swedish Board for Accreditation and Conformity Assessment (SWEDAC) notifies the following General Regulations and Guidelines.

SCOPE AND FIELD OF APPLICATION

1 § These regulations set out the special requirements for laboratories working in the field of non-destructive testing and accredited by SWEDAC.

The regulations complement SWEDAC's General Regulations for Accredited Laboratories.

TECHNICAL COMPETENCE

2 § Personnel who perform tests or who assess test results shall fulfil the requirements in respect of experience, training, examination and certification as set out in Swedish Standard SS-EN 473, Edition 2. Other qualifications can be accepted by SWEDAC after additional evaluation.

3 § Within each of its accredited working areas, the laboratory shall have persons holding Qualification Level 3, as defined in accordance with 2 § above. If the laboratory has more than one person with this qualification level for any given test method, one of these persons shall be in charge. This person shall be responsible for all technical work within the test area, and shall therefore also be familiar with the regulations, rules, legislation etc. for that test area..

The availability of each person shall be such as to suit the character and extent of the work, and shall be assessed by SWEDAC from case to case.

TEST REPORTS

4 § Test reports shall be signed by personnel with the necessary qualification level. Reports shall indicate the identity of the test equipment used.

MISCELLANEOUS

5 § Training, examination and possible certification in connection with accreditation in the field of non-destructive testing, where additional requirements are applied in connection with personnel competence, shall be carried out in accordance with these requirements. Within certain working areas, there are additional requirements from authorities having jurisdiction.

6 § If necessitated by special circumstances, SWEDAC may permit departure from these regulations.

These regulations come into force on 1st January 2004, on which date STAFS 1996:7 ceases to apply.

LARS ETTARP

Roland Jonsson

Guidelines for

**The Swedish Board for Accreditation and Conformity
Assessment's special regulations for accredited laboratories
working in the field of non-destructive testing**

Guidelines

Background

These regulations have been drafted so that, if necessary, SWEDAC shall be able to confirm that the accredited laboratory fulfils international requirements for the working area.

EA-04/15, Accreditation for Non-Destructive Testing, includes comments and clarifications of how the requirements in the standard can be fulfilled. This document has been translated into Swedish by SWEDAC, from whom it is available under the name SWEDAC DOC 03:04.

For 2 §

Nordtest document Gen 010, Edition 4 sets out the requirements for levels of training, examination and certification.

For 5 §

1 The Swedish Work Environment Authority's (AV) areas

Laboratories that have been accredited for this working area are required by AV regulations to be of third-party status in relation to their customers. This status is defined in SS-EN 45020.

It is essential that the laboratory is competent for at least three of the four test methods of radiographic, ultrasonic, magnetic powder and penetrant testing/inspection, of which one method shall be radiography. If the laboratory is not accredited for the fourth method, it shall be able to provide such testing in accordance with the rules for employing the services of subcontractors as set out in SWEDAC's regulations. This requirement will be mandatory in AV's coming regulations.

2 The Swedish Nuclear Power Inspectorate's (SKI) areas

Laboratories can be accredited for those areas of non-destructive testing work required by the Swedish Nuclear Power Inspectorate's regulations.

2.1 Manufacture, installation and repair inspection

SKI requires laboratories accredited for this working area to have a third-party status in relation to their customers. This status is defined in SS-EN 45020.

2.2 Periodic inspection using special test systems

SKI requires laboratories accredited for this working area to have a third-party status in relation to their customers. This status is defined in SS-EN 45020.

In addition to the requirements that are normally applied to accredited laboratories working in this field, it is essential that the laboratory has routines that ensure that its personnel and equipment work within the limits of the special testing systems.

It is also important for the accreditation that the laboratory has submitted details of its routines for identification, management and inspection of parameters that could be thought to influence the results of testing.

In connection with accreditation, the laboratory should submit details of its routines that ensure that all test personnel who work with special systems undergo regular training. Such training should cover the conditions that can be encountered when performing tests in nuclear facilities, and which make such testing more difficult than in other cases, as well as other significant matters.