



CERTIFICATE SUPPLEMENT (*)



Sweden

1. TITLE OF THE CERTIFICATE

Energiprogrammet, Industrirörsmontör

2. TRANSLATED TITLE OF THE CERTIFICATE

Energy programme, Industrial tubing

This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this document

- has a basic understanding of systems and knowledge of processes in the energy technology area
- has a basic vocational knowledge of installation and service of piping systems and their related components in large piping systems
- has a basic knowledge of different welding methods covering welding of stainless steel materials
- has a basic knowledge of control engineering systems
- is able to work individually and as a member of a work team, and also critically examine and evaluate his/her own work
- has the ability to discuss and formulate views on ethical issues and views related to the profession
- is able to take into account economic conditions, environmental and safety standards, and health aspects at work, and is also familiar with how working environment issues are handled in the area
- is able to communicate in Swedish and English
- is familiar with the regulations and international agreements applicable to the area
- is able to use computers for communication and learning

In addition, the holder of this document has knowledge at the upper secondary school level in Swedish, English, mathematics, arts, sports and health, science studies, religious studies and also civics.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

The programme provides preparation for work as an installer of process management systems in e.g. ships, process industries of different kinds, heating plants and similar. The programme to some extent provides preparation for other types of work in the operation, installation and service of energy technology systems.

(*) Explanatory notes

This document is intended to provide additional information about the specified certificate and does not have any legal status in itself. It is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of 10 July of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available from: www.cedefop.eu.int/transparency

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5. OFFICIAL STATUS OF THE CERTIFICATE

<p>Name and status of the body awarding the certificate Grade issued on completion of the programme by the head teacher at the school where the pupil attended the programme</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p>
<p>Level of the certificate (national or international) In Sweden no levels are used. The programme corresponds to Upper secondary level, namely ISCED 3.</p>	<p>Grading scale/Pass requirements Fail (IG) Pass (G) Pass with distinction (VG) Pass with special distinction (MVG)</p>
<p>Access to next level of education/training The programme provides general eligibility for studies in higher education.</p>	<p>International agreements Corresponds to IMO/STCW Code 1995.</p>
<p>Legal basis Education Act SFS 1985:1100, Upper Secondary School Ordinance SFS 1992:394, Ordinance on the curriculum for the non-compulsory school system SKOLFS 1994:2, Ordinance on the special programme goals for the national programmes of the upper secondary school SKOLFS 1999:12.</p>	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme (%)	Duration (hours/weeks/months/years)
• School/training centre	85	85 weeks
• Workplace based education	15	15 weeks
• Accredited prior learning		
Total duration of education/training leading to the certificate		100 weeks / 3 years
<p>Additional information The programme covers a total of 2500 upper secondary school credits (25 credits correspond to one week of full-time studies), of which 750 credits in core subjects (general subjects), 1450 credits in subjects specific to a programme (vocationally oriented subjects) and also 300 credits as individual options. The holder of this document has within the framework of the group of subjects specific to the programme, completed project work corresponding to 100 credits.</p> <p>The three year programme at the upper secondary school includes a test of knowledge of systems. After approximately two years as an apprentice, an examination is taken in the heating, ventilation and sanitation engineering industry.</p> <p>More information on the programme and the national education and qualification system can be obtained from the National Reference Point for Vocational Education and Training at www.senrp.se</p>		