



# CERTIFICATE SUPPLEMENT (\*)



## 1. TITLE OF THE CERTIFICATE ( )

**Metal welder, metal welding**

## 2. TRANSLATED TITLE OF THE CERTIFICATE ( )

**Málmsuðumaður**

This translation has no legal status.

## 3. PROFILE OF KNOWLEDGE AND SKILLS

### The holder

- Is familiar with the main qualities and workings of materials used in metal welding, knows the correct handling of those and understands the possible dangers and environmental impact they may have
- Is able to work independently according to welding procedure specification MMA, MIG/MAG welding, TIG welding and general welding on all welding areas in fillets, plates and tubes, has received training to reach the minimum output of working welders through these methods and has adequate confidence in his or her working methods to be accepted on the labour market as a metal welder, for general and specific projects
- Is familiar with welding equipment and its handling and maintenance, is aware of the basic aspects relating to the nature of metals and metallurgy, its welding suitability and the effect of welding on metals
- Has understanding and knowledge of which welding techniques should be applied in different cases
- Knows the basics of electrical theory and how electricity is used in arc welding
- Knows about the standardisation and categorisation of welding materials, their main types, areas of usage and handling
- Is well versed in basic quality aspects and is fully aware of the responsibilities of welders with regards to quality and safety in production, and knows the methods and working practices for inspecting and testing
- Is familiar with the main European and international standards regarding metal welding and knows how to utilise them in his or her work
- Has learned to apply the main health and safety aspects, knows about safe working practices in the welding shop as well as on a construction or open-air site.

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

Metal welders work in companies where metal welding is used for construction. They carry out general metal welding tasks and specific metal welding where qualification is required. They prepare the welding area with a view to environmental and safety aspects and work according to specific welding process descriptions, where required. They prepare metal objects such as plates for ships, steel bits in steel frame buildings or components for welding machinery, by cutting out joints and cleaning surfaces. They select the appropriate welding method and perform welding tasks according to the quality requirements in each case. The right to work as metal welders are those who have earned a journeyman's certificate in metal welding, issued by the Minister of Industry and Trade. Individual companies or contractors may have more specific demands for qualifications in metal welding than those that are certified.

### (\*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description 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 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 at: [www.cedefop.eu.int/transparency](http://www.cedefop.eu.int/transparency)

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### 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the body awarding the certificate</b></p> <p>An Icelandic upper secondary school operating on the basis of the Upper Secondary School Act and the National Curriculum for Upper Secondary Schools, issued by the Minister of Education, Science and Culture.</p>	<p><b>Name and position of governing body or region that looks after certifying or confirming the certificate</b></p> <p>The Ministry of Education, Science and Culture</p>
<p><b>Level of the certificate (national or international)</b></p> <p>Upper secondary school level Isced 3</p>	<p><b>Grading scale / Pass requirements</b></p> <p>1-10 Passing grade 5.</p>
<p><b>Access to next level of education/training</b></p> <p>Additional studies for matriculation.</p>	<p><b>International agreements</b></p>
<p><b>Legal basis</b></p> <p>The Upper Secondary School Act no. 92/2008, regulation regarding journeyman's examination no. 698/2009. The Industrial Act no. 42/1978 and regulations on Authorised Branches of Industry no. 940/1999.</p>	

### 6. FRAMEWORK AND ORGANISATION OF TRAINING

<p>The average duration of the education and training programme is two and a half years, organised as follows: formal education for four school terms.</p> <p><b>Entry requirements</b> Primary school graduation certificate</p> <p><b>Additional information</b> Further information may be found on <a href="http://eng.menntamalaraduneyti.is/">http://eng.menntamalaraduneyti.is/</a></p> <p><b>National reference point</b> The Ministry of Education, Science and Culture, <a href="http://eng.menntamalaraduneyti.is/">http://eng.menntamalaraduneyti.is/</a></p>
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