



1. TITLE OF THE CERTIFICATE (DE) (1)

**Abschlussprüfung im staatlich anerkannten Ausbildungsberuf  
Mechatroniker/ Mechatronikerin**

(1) in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)(1)

**Final examination in the state-recognized training occupation Mechatronics fitter (m/f)**

(1) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- Plan and control work processes, monitor and evaluate results and apply quality management systems
- Process mechanical parts and assemble sub-assemblies and components into mechatronic systems
- Install electrical sub-assemblies and components
- Measure and test electrical values
- Install and test hardware and software components
- Build and test electrical, pneumatic and hydraulic control systems
- Programme mechatronic systems
- Assemble, dismantle, secure and transport machinery, systems and plants
- Test and adjust the functioning of mechatronic systems
- Commission and operate mechatronic systems
- Deliver mechatronic systems to clients and provide instruction for their operation
- Carry out maintenance operations on mechatronic systems.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE (1)

Mechatronics fitters work in the assembly and maintenance of complex machinery, plants and systems in the plant engineering and mechanical engineering sectors or for organisations which purchase and operate such mechatronic systems. Under the provisions of the Prevention of Accidents Regulations, mechatronics fitters are deemed to be skilled electrical and electronic engineering workers.

(1) if applicable

(\*) **Explanatory notes**

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.europass.cedefop.eu.int/transparency](http://www.europass.cedefop.eu.int/transparency)

## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the body awarding the certificate</b></p> <p>Chamber of Industry and Commerce</p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Chamber of Industry and Commerce</p>
<p><b>Level of the certificate (national or international)</b></p> <p>ISCED 3B  German Qualifications Framework (DQR) level 4 (alignment is preliminary pursuant to "German Qualifications Framework for Lifelong Learning" - German EQF - Referencing report of 15 November 2012). Published by: Federal Ministry of Education and Research (BMBF), Berlin and Bonn; Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany (Conference of the Ministers of Education and Cultural Affairs - KMK), Berlin)</p>	<p><b>Grading scale / Pass requirements</b></p> <p>100-92 points = 1 = excellent  91 - 81 points = 2 = good  80 - 67 points = 3 = average  66 - 50 points = 4 = pass  49 - 30 points = 5 = poor  29 - 0 points = 6 = fail</p> <p>A total of at least 50 grade points are required to pass the examination.</p>
<p><b>Access to next level of education / training</b></p> <p>Certified industrial foreman in mechatronics, state certified technician</p>	<p><b>International agreements</b></p> <p>In the field of vocational training, joint declarations on the comparability of qualifications obtained in the respective vocational training systems have been signed on the basis of bilateral agreements concluded between Germany and France and between Germany and Austria.</p>
<p><b>Legal basis</b></p> <p>Ordinance on Initial Vocational Education and Training in the Occupation of Mechatronics fitter (m/f) of 03/04/1998 (Federal Law Gazette, Part I, p 408) Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany, KMK, of 30.01.1998), (Federal Gazette, No 168a of 09.09.1998)</p>	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<p>Final examination administered by the competent body:</p> <ol style="list-style-type: none"> <li>1. after completion of dual training in a company and at part-time vocational school (normal procedure)</li> <li>2. after retraining in a recognized training occupation</li> <li>3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions</li> </ol>
<p><b>Additional information</b></p> <p><b>Entry requirements:</b> Entry requirements are not governed by legislation; as a rule, young people are admitted after completing (nine or ten years of) general education.</p> <p><b>Duration of training:</b> 3,5 years.</p> <p><b>Training in the "dual system":</b>  Teaching of the knowledge, skills and competences needed for an occupation is based on the typical requirements of work and business processes and prepares the trainees for a specific job. <b>The training is provided in a company and at part-time vocational school:</b> In the company, the trainees acquire practical skills in a real working environment. On one or two days per week, the trainees attend part-time vocational school, where they are taught general and vocational knowledge related to their training occupation.</p> <p><b>More information</b> is available at:  <a href="http://www.berufenet.arbeitsagentur.de">www.berufenet.arbeitsagentur.de</a></p> <p><b>National Europass Centre</b>  <a href="http://www.europass-info.de">www.europass-info.de</a></p>