

1. TITLE OF THE CERTIFICATE (DE)

**Zeugnis über die Prüfung zum anerkannten Fortbildungsberuf
Geprüfter Industriemeister/Geprüfte Industriemeisterin Fachrichtung Mechatronik**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Certificate on completion of the recognized further training examination for
Certified industrial supervisor specialising in mechatronics**

This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- Monitor production and operation of mechatronic products and systems; allocate the use of resources in the integration and operation of mechatronic products and systems; solve technical interface problems in heterogeneous components and complex tasks; configure and parameterize systems and ensure their operation and functionality as a specialist electrician; field and assess customer enquiries, error reports and customer complaints; assess technical requirements and feasibility of mechatronic solutions; elaborate and implement solutions; monitor configuration and change management; develop and provide customer support services both in-company and on customer sites including teleservice; oversee and conduct system tests with customers and on customer sites; manage and execute audits and quality assurance measures; document technical failures and quality assurance measures; ensure economical operations and customer orientation; participate in the fitting out and equipment of workplaces, taking account of ergonomic aspects and corresponding requirements, regulations and standards; implement technological innovations within the company and organize and monitor restart procedures; ensure the conservation of value of materials and products during transport and storage; order materials, building components and spare parts; cooperate on the development of proposals for new technical strategies and participate in designing the process of steady improvement of work and production; participate in the definition and implementation of quality objectives and requirements for products, services and business processes
- Plan operations including use of materials and operating resources and participate in the planning and implementation of new techniques; execute project management, draft cost schedules and oversee trends in costs with a view to ensuring economical operations; participate in the selection and acquisition of machinery, facilities and equipment; plan quality and quantity targets and ensure that deadlines are met; coordinate and monitor maintenance in consultation with the responsible staff and relevant corporate units; conduct risk assessments, ensure compliance with occupational safety and health as well as environmental protection guidelines in close cooperation with the superior responsible and the safety officer, inform and instruct staff and relevant corporate units in a timely and appropriate manner and keep records of action taken; consult superordinate planning groups in cooperation with staff, integrate data and information from area of responsibility into planning processes
- Direct staff members in accordance with corporate objectives and assign tasks taking into account corporate guidelines and operational aspects as well as personal aptitude, qualification and interests; guide and motivate staff to take independent, responsible action and participate in decision-making processes; participate in planning of manpower requirements and filling of vacancies; assess manpower requirement for delivery of off-site services and hire temporary staff; supervise and organize work groups; promote targeted cooperation and communication among and with staff and with customers, management and works council; conduct individual/group performance appraisals and initiate measures for personnel development, systematic continuing training and staff innovativeness; familiarize new staff with their respective work areas; assume responsibility for the training of assigned trainees; ensure consistent implementation of quality management goals in area of responsibility and promote quality consciousness among staff; provide customer training, advice and support; promote customer satisfaction; provide technical and safety instructions at customer sites and keep records; plan handover and acceptance procedure together with customers

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

Certified industrial supervisors specialising in mechatronics work in enterprises of different size and belonging to different branches as well as in different functional areas and operations of an enterprise where they fulfil technical, organizational and managerial functions and provide relevant instruction for staff.

^(*)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.

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the body awarding the certificate Chamber of Industry and Commerce (<i>Industrie- und Handelskammer, IHK</i>)</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate Chamber of Industry and Commerce</p>
<p>Level of the certificate (national or international) ISCED (2011) Level 65 These qualifications are referenced to level 6 of both the German and the European Qualifications Framework (DQR, EQR); see publication of 1 August 2013 (BAnz AT 20.11.2013 B2)</p>	<p>Grading scale/Pass requirements (**) 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 The candidate passed all examinations required for the completion of further training.</p>
<p>Access to next level of education and training The further training examination gives access to the next level of qualifications</p> <ul style="list-style-type: none"> • Certified technical business management specialist (<i>Geprüfter Technischer Betriebswirt/Geprüfte Technische Betriebswirtin</i>) • Certified business economist under the Crafts Code (<i>Geprüfter Betriebswirt/Geprüfte Betriebswirtin - HwO</i>) • Certified vocational training specialist (<i>Geprüfter Berufspädagoge/Geprüfte Berufspädagogin</i>) 	<p>International agreements</p>
<p>Legal basis Regulations governing the recognized further training examination for certified industrial supervisor specializing in mechatronics of 19 October 2005 (BGBl I, p. 3037); last amended by the regulations of 26 March 2014 (BGBl. I, p. 274).</p>	

6. OFFICIALLY RECOGNIZED WAYS OF ACQUIRING THE CERTIFICATE

The certificate is acquired through passing the examination administered by the body mentioned in section 5 above. Before sitting the examination, candidates must furnish proof of

1. successful completion of the final examination in the recognized training occupation of mechatronics technician or a recognized training occupation which can be assigned to the metalworking, electrical engineering, automotive engineering and information technology industries, or
2. successful completion of a final examination for another recognized training occupation, followed by at least six months of relevant practical work, or
3. at least four years of relevant practical work, or
4. relevant skills and competences.

Additional information

The skills and competences of which proof is to be furnished in the further training examination are usually acquired during many years of practical work and within the framework of education measures. Courses are offered in preparation for the examination; their duration and content is geared to the different specialist and managerial tasks.

Passing the examination also confers the qualifications required to provide training on the certificate holder, pursuant to Section 30 Para 5 Vocational Training Act (*Berufsbildungsgesetz*).

Translations of the certificate can be obtained from the competent body named in section 5 above.

() Note**

Simplified grading scale; for official grading scale see Sixth Ordinance Amending Further Training Examination Regulations of 9 December 2019 (Federal Law Gazette Part I, p. 2153)