

# SIX SIGMA GREEN BELT

# **Candidate Handbook**

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### **SECTION I: INTRODUCTION**

### **About PECB**

PECB is a certification body that provides education<sup>1</sup>, certification, and certificate programs for individuals on a wide range of disciplines.

Through our presence in more than 150 countries, we help professionals demonstrate their competence in various areas of expertise by providing valuable evaluation, certification, and certificate programs against internationally recognized standards.

### Our key objectives are:

- Establishing the minimum requirements necessary to certify professionals and to grant designations
- 2. Reviewing and verifying the qualifications of individuals to ensure they are eligible for certification
- 3. Maintaining and continually improving the evaluation process for certifying individuals
- 4. Certifying qualified individuals, granting designations and maintaining respective directories
- Establishing requirements for the periodic renewal of certifications and ensuring that the certified individuals are complying with those requirements
- 6. Ascertaining that PECB professionals meet ethical standards in their professional practice
- 7. Representing our stakeholders in matters of common interest
- 8. Promoting the benefits of certification and certificate programs to professionals, businesses, governments, and the public

### **Our mission**

Provide our clients with comprehensive examination, certification, and certificate program services that inspire trust and benefit the society as a whole.

### **Our vision**

Become the global benchmark for the provision of professional certification services and certificate programs.

### **Our values**

Integrity, Professionalism, Fairness

<sup>&</sup>lt;sup>1</sup> Education refers to training courses developed by PECB and offered globally through our partners.



### The Value of PECB Certification

### **Global recognition**

PECB credentials are internationally recognized and endorsed by many accreditation bodies, so professionals who pursue them will benefit from our recognition in domestic and international markets.

The value of PECB certifications is validated by the accreditation from the International Accreditation Service (IAS-PCB-111), the United Kingdom Accreditation Service (UKAS-No. 21923) and the Korean Accreditation Board (KAB-PC-08) under ISO/IEC 17024 – General requirements for bodies operating certification of persons. The value of PECB certificate programs is validated by the accreditation from the ANSI National Accreditation Board (ANAB-Accreditation ID 1003) under ANSI/ASTM E2659-18, Standard Practice for Certificate Programs.

PECB is an associate member of The Independent Association of Accredited Registrars (IAAR), a full member of the International Personnel Certification Association (IPC), a signatory member of IPC MLA, and a member of Club EBIOS, CPD Certification Service, CLUSIF, Credential Engine, and ITCC. In addition, PECB is an approved Licensed Partner Publisher (LPP) from the Cybersecurity Maturity Model Certification Accreditation Body (CMMC-AB) for the Cybersecurity Maturity Model Certification standard (CMMC), is approved by Club EBIOS to offer the EBIOS Risk Manager Skills certification, and is approved by CNIL (Commission Nationale de l'Informatique et des Libertés) to offer DPO certification. For more detailed information, click <a href="heepto:h

#### High-quality products and services

We are proud to provide our clients with high-quality products and services that match their needs and demands. All of our products are carefully prepared by a team of experts and professionals based on the best practices and methodologies.

#### **Compliance with standards**

Our certifications and certificate programs are a demonstration of compliance with ISO/IEC 17024 and ASTM E2659. They ensure that the standard requirements have been fulfilled and validated with adequate consistency, professionalism, and impartiality.

#### **Customer-oriented service**

We are a customer-oriented company and treat all our clients with value, importance, professionalism, and honesty. PECB has a team of experts who are responsible for addressing requests, questions, and needs. We do our best to maintain a 24-hour maximum response time without compromising the quality of the services.

### Flexibility and convenience

Online learning opportunities make your professional journey more convenient as you can schedule your learning sessions according to your lifestyle. Such flexibility gives you more free time, offers more career advancement opportunities, and reduces costs.

#### **PECB Code of Ethics**

The Code of Ethics represents the highest values and ethics that PECB is fully committed to follow, as it recognizes the importance of them when providing services and attracting clients.

The Compliance Division makes sure that PECB employees, trainers, examiners, invigilators, partners, distributors, members of different advisory boards and committees, certified individuals, and certificate holders (hereinafter "PECB professionals") adhere to this Code of Ethics. In addition, the Compliance Division consistently emphasizes the need to behave professionally and with full responsibility, competence, and fairness in service provision with internal and external stakeholders, such as applicants, candidates, certified individuals, certificate holders, accreditation authorities, and government authorities.

It is PECB's belief that to achieve organizational success, it has to fully understand the clients and stakeholders' needs and expectations. To do this, PECB fosters a culture based on the highest levels of integrity, professionalism, and fairness, which are also its values. These values are integral to the organization, and have characterized the global presence and growth over the years and established the reputation that PECB enjoys today.

PECB believes that strong ethical values are essential in having healthy and strong relationships. Therefore, it is PECB's primary responsibility to ensure that PECB professionals are displaying behavior that is in full compliance with PECB principles and values.

PECB professionals are responsible for:

- Displaying professional behavior in service provision with honesty, accuracy, fairness, and independence
- 2. Acting at all times in their service provision solely in the best interest of their employer, clients, the public, and the profession in accordance with this Code of Ethics and other professional standards
- 3. Demonstrating and developing competence in their respective fields and striving to continually improve their skills and knowledge
- 4. Providing services only for those that they are qualified and competent and adequately informing clients and customers about the nature of proposed services, including any relevant concerns or risks
- 5. Informing their employer or client of any business interests or affiliations which might influence or impair their judgment
- 6. Preserving the confidentiality of information of any present or former employer or client during service provision
- 7. Complying with all the applicable laws and regulations of the jurisdictions in the country where the service provisions were conducted
- 8. Respecting the intellectual property and contributions of others
- 9. Not communicating intentionally false or falsified information that may compromise the integrity of the evaluation process of a candidate for a PECB certification or a PECB certificate program
- Not falsely or wrongly presenting themselves as PECB representatives without a proper license or misusing PECB logo, certifications or certificates
- 11. Not acting in ways that could damage PECB's reputation, certifications or certificate programs
- 12. Cooperating in a full manner on the inquiry following a claimed infringement of this Code of Ethics

To read the complete version of PECB's Code of Ethics, go to Code of Ethics | PECB.

### **Introduction to Six Sigma Green Belt**

Six Sigma is a highly effective process improvement methodology that aims to address long-standing business issues, enhance quality performance, and boost revenues. Originating from Motorola in the 1980s, its primary objective is to minimize errors, eliminate waste, and enhance the efficiency and effectiveness of engineering and manufacturing processes.

Within organizations, Six Sigma Green Belts play a crucial role in implementing the Six Sigma methodology. Operating under the guidance of the Black Belt, these professionals undergo continuous training to ensure their proficiency. They possess comprehensive knowledge of the DMAIC (Define, Measure, Analyze, Improve, and Control) model, which is the most commonly used approach in Six Sigma for process improvement.

Six Sigma Green Belts are equipped with a wide range of tools and techniques to enhance processes within their organizations. They adeptly utilize statistical methods and employ various diagrams, including Cause and Effect diagrams, Pareto Charts, and Histograms, to drive improvements.

In today's competitive business landscape, companies are increasingly seeking qualified individuals who can contribute to their organizational growth. Becoming a certified Six Sigma Green Belt not only opens up better job opportunities but also offers the potential for increased income. By mastering the Six Sigma methodology and applying it within their organizations, certified employees can ensure substantial process improvements.

Implementing the Six Sigma methodology yields several positive outcomes for business operations, such as enhanced customer satisfaction, stronger partnerships, improved processes, and increased customer loyalty. Recognizing the significance of meeting customer needs and improving processes, organizations are placing a growing emphasis on hiring certified Six Sigma Green Belts who possess a predetermined set of knowledge and skills.

PECB certifications are not a license or simply a membership. They attest the candidates' knowledge and skills gained through our training courses and are issued to candidates that have the required experience and have passed the exam.

This document specifies the PECB Certified Six Sigma Green Belt certification schemes by which candidates may earn and maintain their credentials. It also outlines the steps that candidates should take to obtain and maintain their credentials. As such, it is very important to carefully read all the information included in this document before completing and submitting your application. If you have questions or need further information after reading it, please contact the PECB international office at <a href="mailto:certification.team@pecb.com">certification.team@pecb.com</a>.



# SECTION II: EXAMINATION PREPARATION, RULES, AND POLICIES

# Preparing for and scheduling the exam

All candidates are responsible for their own study and preparation for certification exams. Although candidates are not required to attend the training course to be eligible for taking the exam, attending it can significantly increase their chances of successfully passing the exam.

To schedule the exam, candidates have two options:

- Contact one of our authorized partners. To find an authorized partner in your region, please go to <u>Active</u>
   <u>Partners</u>. The training course schedule is also available online and can be accessed on <u>Training Events</u>.
- 2. Take a PECB exam remotely through the <u>PECB Exams application</u>. To schedule a remote exam, please go to the following link: <u>Exam Events</u>.

To learn more about exams, competency domains, and knowledge statements, please refer to Section III of this document.

# Rescheduling the exam

For any changes with regard to the exam date, time, location, or other details, please contact <a href="mailto:online.exams@pecb.com">online.exams@pecb.com</a>.

# Application fees for examination and certification

Candidates may take the exam without attending the training course. The applicable prices are as follows:

Lead Exam: \$1000²
Manager Exam: \$700
Foundation Exam: \$500
Transition Exam: \$500

The application fee for certification is \$500.

For the candidates that have attended the training course via one of PECB's partners, the application fee covers the costs of the exam (first attempt and first retake), the application for certification, and the first year of Annual Maintenance Fee (AMF).

<sup>&</sup>lt;sup>2</sup> All prices listed in this document are in US dollars.

## **Competency domains**

The objective of the "PECB Certified Six Sigma Green Belt" examination is to provide the customer with the necessary skills to successfully apply a rigorous methodology and leverage data-based decision making to plan and complete Six Sigma projects, to improve processes and to solve problems.

The Six Sigma Green Belt certification is intended for:

- · Managers or consultants involved with and committed to process improvements
- Individuals seeking to improve business, production or service processes
- Six Sigma project team leaders and/or members
- Expert advisors

The content of the exam is divided as follows:

- Domain 1: Fundamental principles and concepts of Six Sigma Green Belt
- Domain 2: Implementation of rigorous DMAIC methodology
- **Domain 3:** The use of data-based decision making
- **Domain 4:** Planning and completing Six Sigma projects
- Domain 5: Interpretation of statistical tools
- Domain 6: Improvement of processes and how to solve organizational problems



# Domain 1: Fundamental principles and concepts of Six Sigma Green Belt

**Main objective:** Ensure the improvement of an organizational process by developing more-in-depth understanding of Six Sigma Green Belt methodologies.

	Competencies		Knowledge statements
1.	Ability to identify and communicate with stakeholders	1.	Knowledge of management principles in regards to Six Sigma
2.	Ability to monitor the organizational structure through Six Sigma methodologies	2.	Knowledge of the basic principles of Six Sigma Green Belt
3.	Ability to explain and illustrate the main concepts of Six Sigma Green Belt	3.	Knowledge of the main Six Sigma Green Belt concepts and terminology
4.	Ability to apply the best practices of Project Management in a Six Sigma Green Belt project	5.	Knowledge of Six Sigma Green Belt concepts that are related to project management terminology, process and best practice Knowledge on defining the main problem by validating project scope and by identifying stakeholders



# **Domain 2: Implementation of rigorous DMAIC methodology**

**Main objective:** Ensure the efficiency and the effectiveness of an organizational process through DMAIC model.

	Competencies		Knowledge statements
1.	Ability to define the main problem	1.	Knowledge on how to select and justify the
2.	Ability to identify the individual steps of Six		selected approach and methodology adapted
3.	Sigma Green Belt improvement process		to the needs of the organization
4.	Ability to monitor and evaluate the	2.	Knowledge on how to increase the
	effectiveness of Six Sigma Green Belt in an		effectiveness of a project by improving the
	organization		process
5.	Ability to establish mechanisms for continuing	3.	Knowledge on how to apply different
	process improvement		methodologies to a project
		4.	Knowledge of the principal approaches to
			implement a DMAIC model
		5.	Knowledge on how to conduct and manage a
			project through Six Sigma Green Belt
			methodologies



# Domain 3: The use of data-based decision making

Main objective: Ensure that process capabilities, products, and services exceed stakeholder' expectations.

	Competencies		Knowledge statements
1.	Ability to implement data-based decision making		Knowledge of tools and techniques to improve a process in a project
2.	Ability to analyze the causes, stratification and the root cause analysis		Knowledge on analyzing the problem through stratification analysis, value add analysis and
3.	Ability to learn how to construct an individual control chart and a median run chart		root cause analysis Knowledge on controlling the sustainability of
4.	Ability to identify, analyze the root-causes of non-conformities and proposed action plans to treat them	4.   5.	the project Knowledge on how to implement Six Sigma Metrics Knowledge on how to embed solutions and influence decision making processes



# **Domain 4: Planning and completing Six Sigma projects**

Main objective: Ensure the establishment and maintain traceability to improve the efficiency of a project.

	Competencies		Knowledge statements
1.	Ability to differentiate between four classic	1.	Knowledge on the Six Sigma control plans
	"Families of Measure"	2.	Knowledge of the main strategies related to
2.	Ability to control the traceability and the		Six Sigma Green Belt
	recurrence of the same problem	3.	Knowledge on how to identify Six Sigma roles
3.	Ability to differentiate between special and		and responsibilities
	common causes of variation	4.	Knowledge on how to measure productivity
4.	Ability to identify out-of-control situation with		and quality of an organization
	the runs rules	5.	Knowledge on how to analyze PFQT: productivity, financial, quality, and timeliness



# **Domain 5: Interpretation of statistical tools**

**Main objective:** Develop metrics that help leaders to measure the effectiveness of a project through statistical tools.

	Competencies		Knowledge statements
1.	Ability to implement different methods while collecting data	1.	Knowledge on how to implement data through graphical displays
2.	Ability to apply data in different diagrams	2.	Knowledge on which measure of the tendency
3.	Ability to determine sample size		can only be used if the data is normally
4.	Ability to measure effort, cost, quality and time		distributed
	of each process	3.	Knowledge on which measure of variability can
5.	Ability to use statistical methods to illustrate		only be used if the data is normally distributed
	the comparison	4.	Knowledge on which measure of central
6.	Ability to validate and illustrate process improvement		tendency you can always use, regardless of whether the data is skewed or normally
7.	Ability to compare data that are not normally		distributed
	distributed	5.	Knowledge on how to create graphical displays of nominal data with Pareto diagrams
		6.	Knowledge on how to create graphical displays of ordinal data with bar charts
		7.	Knowledge on how to create graphical displays of continues data with histogram



# Domain 6: Improvement of processes and how to solve organizational problems

**Main objective:** Ensure that the organization is achieving efficient results by improving its fundamental methods.

	Competencies		Knowledge statements
1.	Ability to improve the issues that were identified and implement changes	1.	Knowledge on improving the problem by developing and implementing solutions
2.	Ability to use a set of methods, arranged in a specific order to create potential ideas or solutions	2.	Knowledge of the characteristics of Six Sigma Green Belt scope in terms of organizational, technological and physical boundaries
3.	Ability to use a specific methodology; GRES methodology	3.	Knowledge on what is the difference between attitudinal versus structural
4.	Ability to measure the effectiveness of approaches that were used to develop a project	<ul><li>4.</li><li>5.</li></ul>	Knowledge on how to increase the effectiveness of a project by improving the process  Knowledge on how to improve the quality of a
			product by emerging modifications in a process
		6.	Knowledge on how to align the business processes to achieve organizational goals
		7.	Knowledge on how to implement and monitor solutions
		8.	Knowledge on how to maintain improvement in an organization



Based on the above-mentioned domains and their relevance, the exam contains 150 multiple-choice questions, as summarized in the table below:

				Level of und (Cognitive/Taxo	derstanding onomy) required
		Number of questions/points per competency domain	% of the exam devoted/points to/for each competency domain	Questions that measure comprehension, application, and analysis	Questions that measure evaluation
	Fundamental principles and concepts of Six Sigma Green Belt	18	12.00	X	
	Implementation of rigorous DMAIC methodology	24	16.00	X	
Competency domains	The use of data-based decision making	19	13.00	Х	
	Planning and completing Six Sigma projects	43	29.00		х
S	Interpretation of statistical tools	20	13.00		Х
	Improvement of processes and how to solve organizational problems	26	17.00		х
	Total	150	100%		
		mber of questions per l	61	89	
	% of the	exam devoted to each l	41%	59%	

The passing score of the exam is **70**%.

After successfully passing the exam, candidates will be able to apply for obtaining the "PECB Certified Six Sigma Green Belt" credential.

### Taking the exam

#### General information about the exam

Candidates are required to arrive/be present at least 30 minutes before the exam starts.

Candidates who arrive late will not be given additional time to compensate for the late arrival and may not be allowed to sit for the exam.

Candidates are required to bring a valid identity card (a national ID card, driver's license, or passport) and show it to the invigilator.

If requested on the day of the exam (paper-based exams), additional time can be provided to candidates taking the exam in a non-native language, as follows:

- 10 additional minutes for Foundation exams
- 20 additional minutes for Manager exams
- 30 additional minutes for Lead exams

### PECB exam format and type

- Paper-based: Exams are provided on paper, where candidates are not allowed to use anything but the
  exam paper and a pen. The use of electronic devices, such as laptops, tablets, or phones, is not allowed.
  The exam session is supervised by a PECB approved Invigilator at the location where the Partner has
  organized the training course.
- 2. Online: Exams are provided electronically via the PECB Exams application. The use of electronic devices, such as tablets and cell phones, is not allowed. The exam session is supervised remotely by a PECB Invigilator via the PECB Exams application and an external/integrated camera.

For more information about online exams, go to the PECB Online Exam Guide.

PECB exams are available in two types:

- Essay-type question exam
- 2. Multiple-choice question exam

This exam comprises multiple-choice questions: The multiple-choice exam can be used to evaluate candidates' understanding on both simple and complex concepts. It comprises both stand-alone and scenario-based questions. Stand-alone questions stand independently within the exam and are not context-depended, whereas scenario-based questions are context-dependent, i.e., they are developed based on a scenario which a candidate is asked to read and is expected to provide answers to five questions related to that scenario. When answering stand-alone and scenario-based questions, candidates will have to apply various concepts and principles explained during the training course, analyze problems, identify and evaluate alternatives, combine several concepts or ideas, etc.

Each multiple-choice question has three options, of which one is the correct response option (keyed response) and two incorrect response options (distractors).

The exam is "closed book". The use of electronic devices, such as laptops, cell phones, etc., is not allowed. Candidates are only authorized to use a hard copy dictionary.

A sample of exam questions will be provided below.

**Note:** PECB will progressively transition to multiple-choice exams. They will also be open book and comprise scenario-based questions that will allow PECB to evaluate candidates' knowledge, abilities, and skills to use information in new situations (apply), draw connections among ideas (analyze), and justify a stand or decision (evaluate).

For specific information about exam types, languages available, and other details, please contact <a href="mailto:examination.team@pecb.com">examination.team@pecb.com</a> or go to the <a href="mailto:List of PECB Exams">List of PECB Exams</a>.

### Sample exam questions

- 1. The DMAIC model is defined as:
  - A. Deliver, measure, analyze, install and control
  - B. Define, measure, analyze, improve and control
  - C. Define, measure, analyze, initiate and control
- 2. What type of data is illustrated by discrete distributions?
  - A. Variable data
  - B. Ordinal data
  - C. Continuous data
- 3. The team prepares Data Management Plan during which of the following phase:
  - A. Define phase
  - B. Measure phase
  - C. Improve phase
- 4. To calculate 99.97% statistical control limits, the practical use of sigma level should be:
  - A. +/- 3 sigma
  - B. +/- 2 sigma
  - C. +/- 1 sigma
- 5. Cause and effect diagram is used for:
  - A. Identifying root cause
  - B. Generating ideas
  - C. Reducing duplicate idea

## **Exam Security Policy**

PECB is committed to protect the integrity of its exams and the overall examination process, and relies upon the ethical behavior of applicants, potential applicants, candidates and partners to maintain the confidentiality of PECB exams. This Policy aims to address unacceptable behavior and ensure fair treatment of all candidates.

Any disclosure of information about the content of PECB exams is a direct violation of this Policy and PECB's Code of Ethics. Consequently, candidates taking a PECB exam are required to sign an Exam Confidentiality and Non-Disclosure Agreement and must comply with the following:

- The questions and answers of the exam materials are the exclusive and confidential property of PECB.
   Once candidates complete the submission of the exam to PECB, they will no longer have any access to the original exam or a copy of it.
- 2. Candidates are prohibited from revealing any information regarding the questions and answers of the exam or discuss such details with any other candidate or person.
- Candidates are not allowed to take with themselves any materials related to the exam, out of the exam room.
- Candidates are not allowed to copy or attempt to make copies (whether written, photocopied, or otherwise) of any exam materials, including, without limitation, any questions, answers, or screen images.
- 5. Candidates must not participate nor promote fraudulent exam-taking activities, such as:
  - Looking at another candidate's exam material or answer sheet
  - · Giving or receiving any assistance from the invigilator, candidate, or anyone else
  - Using unauthorized reference guides, manuals, tools, etc., including using "brain dump" sites as they are not authorized by PECB

Once a candidate becomes aware or is already aware of the irregularities or violations of the points mentioned above, they are responsible for complying with those, otherwise if such irregularities were to happen, candidates will be reported directly to PECB or if they see such irregularities, they should immediately report to PECB.

Candidates are solely responsible for understanding and complying with PECB Exam Rules and Policies, Confidentiality and Non-Disclosure Agreement and Code of Ethics. Therefore, should a breach of one or more rules be identified, candidates will not receive any refunds. In addition, PECB has the right to deny the right to enter a PECB exam or to invite candidates for an exam retake if irregularities are identified during and after the grading process, depending on the severity of the case.

Any violation of the points mentioned above will cause PECB irreparable damage for which no monetary remedy can make up. Therefore, PECB can take the appropriate actions to remedy or prevent any unauthorized disclosure or misuse of exam materials, including obtaining an immediate injunction. PECB will take action against individuals that violate the rules and policies, including permanently banning them from pursuing PECB credentials and revoking any previous ones. PECB will also pursue legal action against individuals or organizations who infringe upon its copyrights, proprietary rights, and intellectual property.

### **Exam results**

Exam results will be communicated via email.

- The time span for the communication starts from the exam date and lasts three to eight weeks for essay type exams and two to four weeks for multiple-choice paper-based exams.
- For online multiple-choice exams, candidates receive their results instantly.

Candidates who successfully complete the exam will be able to apply for one of the credentials of the respective certification scheme.

For candidates who fail the exam, a list of the domains where they have performed poorly will be added to the email to help them prepare better for a retake.

Candidates that disagree with the results may request a re-evaluation by writing to <a href="mailto:examination.team@pecb.com">examination.team@pecb.com</a> within 30 days of receiving the results. Re-evaluation requests received after 30 days will not be processed. If candidates do not agree with the results of the reevaluation, they have 30 days from the date they received the reevaluated exam results to file a complaint through the <a href="mailto:PECB Ticketing System">PECB Ticketing System</a>. Any complaint received after 30 days will not be processed.

### **Exam Retake Policy**

There is no limit to the number of times a candidate can retake an exam. However, there are certain limitations in terms of the time span between exam retakes.

If a candidate does not pass the exam on the 1st attempt, they must wait 15 days after the initial date of the exam for the next attempt (1st retake).

**Note:** Candidates who have completed the training course with one of our partners, and failed the first exam attempt, are eligible to retake for free the exam within a 12-month period from the date the coupon code is received (the fee paid for the training course, includes a first exam attempt and one retake). Otherwise, retake fees apply.

For candidates that fail the exam retake, PECB recommends they attend a training course in order to be better prepared for the exam.

To arrange exam retakes, based on exam format, candidates that have completed a training course, must follow the steps below:

- 1. Online Exam: when scheduling the exam retake, use initial coupon code to waive the fee
- 2. Paper-Based Exam: candidates need to contact the PECB Partner/Distributor who has initially organized the session for exam retake arrangement (date, time, place, costs).

Candidates that have not completed a training course with a partner, but sat for the online exam directly with PECB, do not fall under this Policy. The process to schedule the exam retake is the same as for the initial exam.



# **SECTION III: CERTIFICATION PROCESS AND REQUIREMENTS**

# **PECB Six Sigma Green Belt credentials**

All PECB certifications have specific requirements regarding education and professional experience. To determine which credential is right for you, take into account your professional needs and analyze the criteria for the certifications.

The credentials in the PECB Six Sigma Green Belt scheme have the following requirements:

Credential	Education	Exam	Professional experience	Six Sigma project experience	Other requirements
PECB Certified Six Sigma Provisional Green Belt	At least	PECB Certified Six Sigma	None	None	Signing the PECB Code of
PECB Certified Six Sigma Green Belt	secondary education	Green Belt or equivalent	Five years: Two years of Process Improvement experience	Project activities: a total of 300 hours	Ethics

To be considered valid, the implementation activities should follow best implementation and management practices, including the following:

- Validating project selection and scope
- 2. Identifying stakeholders
- 3. Mapping processes with data
- 4. Validating measurement system
- 5. Validating root causes
- 6. Developing potential solutions
- 7. Validating improvements
- 8. Developing sustainability plan
- 9. Determining business impact
- 10. Validating sustainability

# Applying for certification

All candidates who successfully pass the exam (or an equivalent accepted by PECB) are entitled to apply for the PECB credential they were assessed for. Specific educational and professional requirements need to be fulfilled in order to obtain a PECB certification. Candidates are required to fill out the online certification application form (that can be accessed via their PECB account), including contact details of individuals who will be contacted to validate the candidates' professional experience. Candidates can submit their application in English, French, German, Spanish or Korean languages. They can choose to either pay online or be billed. For additional information, please contact <a href="mailto:certification.team@pecb.com">certification.team@pecb.com</a>.

The online certification application process is very simple and takes only a few minutes:

- Register your account
- Check your email for the confirmation link
- <u>Log in</u> to apply for certification



For more information on how to apply for certification, click here.

The Certification Department validates that the candidate fulfills all the certification requirements regarding the respective credential. The candidate will receive an email about the application status, including the certification decision.

Following the approval of the application by the Certification Department, the candidate will be able to download the certificate and claim the corresponding Digital Badge. For more information about downloading the certificate, click <a href="here">here</a>, and for more information about claiming the Digital Badge, click <a href="here">here</a>.

PECB provides support both in English and French.

### **Professional experience**

Candidates must provide complete and correct information regarding their professional experience, including job title(s), start and end date(s), job description(s), and more. Candidates are advised to summarize their previous or current assignments, providing sufficient details to describe the nature of the responsibilities for each job. More detailed information can be included in the résumé.

### **Professional references**

For each application, two professional references are required. They must be from individuals who have worked with the candidate in a professional environment and can validate their Six Sigma expertise implementation experience, as well as their current and previous work history. Professional references of persons who fall under the candidate's supervision or are their relatives are not valid.

# Six Sigma project experience

The candidate's Six Sigma expertise project log will be checked to ensure that the candidate has the required number of implementation hours.

### **Evaluation of certification applications**

The Certification Department will evaluate each application to validate the candidates' eligibility for certification or certificate program. A candidate whose application is being reviewed will be notified in writing and, if necessary, given a reasonable time frame to provide any additional documentation. If a candidate does not respond by the deadline or does not provide the required documentation within the given time frame, the Certification Department will validate the application based on the initial information provided, which may lead to the candidates' credential downgrade.

### **SECTION IV: CERTIFICATION POLICIES**

#### Denial of certification

PECB can deny certification/certificate program if candidates:

- Falsify the application
- Violate the exam procedures
- Violate the PECB Code of Ethics

Candidates whose certification/certificate program has been denied can file a complaint through the complaints and appeals procedure. For more detailed information, refer to **Complaint and Appeal Policy** section.

The application payment for the certification/certificate program is nonrefundable.

### **Certification status options**

#### Active

Means that your certification is in good standing and valid, and it is being maintained by fulfilling the PECB requirements regarding the CPD and AMF.

#### Suspended

PECB can temporarily suspend candidates' certification if they fail to meet the requirements. Other reasons for suspending certification include:

- PECB receives excessive or serious complaints by interested parties (suspension will be applied until the investigation has been completed.)
- The logos of PECB or accreditation bodies are willfully misused.
- The candidate fails to correct the misuse of a certification mark within the determined time by PECB.
- The certified individual has voluntarily requested a suspension.
- PECB deems appropriate other conditions for suspension of certification.

#### Revoked

PECB can revoke (that is, to withdraw) the certification if the candidate fails to satisfy its requirements. In such cases, candidates are no longer allowed to represent themselves as PECB Certified Professionals. Additional reasons for revoking certification can be if the candidates:

- Violate the PECB Code of Ethics
- Misrepresent and provide false information of the scope of certification
- Break any other PECB rules
- Any other reasons that PECB deems appropriate

Candidates whose certification has been revoked can file a complaint through the complaints and appeals procedure. For more detailed information, refer to **Complaint and Appeal Policy** section.



#### Other statuses

Besides being active, suspended, or revoked, a certification can be voluntarily withdrawn or designated as Emeritus. To learn more about these statuses and the permanent cessation status, go to <a href="Certification Status">Certification Status</a> <a href="Options">Options</a>.

### Upgrade and downgrade of credentials

### **Upgrade of credentials**

Professionals can upgrade their credentials as soon as they can demonstrate that they fulfill the requirements.

To apply for an upgrade, candidates need to log into their PECB account, visit the "My Certifications" tab, and click on "Upgrade." The upgrade application fee is \$100.

### **Downgrade of credentials**

A PECB Certification can be downgraded to a lower credential due to the following reasons:

- The AMF has not been paid.
- The CPD hours have not been submitted.
- Insufficient CPD hours have been submitted.
- Evidence on CPD hours has not been submitted upon request.

**Note:** PECB certified professionals who hold Lead certifications and fail to provide evidence of certification maintenance requirements will have their credentials downgraded. The holders of Master Certifications who fail to submit CPDs and pay AMFs will have their certifications revoked.

# Renewing the certification

PECB certifications are valid for three years. To maintain them, PECB certified professionals must meet the requirements related to the designated credential, e.g., they must fulfill the required number of continual professional development (CPD) hours. In addition, they need to pay the annual maintenance fee (\$120). For more information, go to the <a href="Certification Maintenance">Certification Maintenance</a> page on the PECB website.

### Closing a case

If candidates do not apply for certification within one year, their case will be closed. Even though the certification period expires, candidates have the right to reopen their case. However, PECB will no longer be responsible for any changes regarding the conditions, standards, policies, and candidate handbook that were applicable before the case was closed. A candidate requesting their case to reopen must do so in writing to <a href="mailto:certification.team@pecb.com">certification.team@pecb.com</a> and pay the required fee.

### Complaint and Appeal Policy

Any complaints must be made no later than 30 days after receiving the certification decision. PECB will provide a written response to the candidate within 30 working days after receiving the complaint. If candidates do not find the response satisfactory, they have the right to file an appeal.

For more information about the Complaint and Appeal Policy, click here.



## **SECTION V: GENERAL POLICIES**

### Exams and certifications from other accredited certification bodies

PECB accepts certifications and exams from other recognized accredited certification bodies. PECB will evaluate the requests through its equivalence process to decide whether the respective certification(s) or exam(s) can be accepted as equivalent to the respective PECB certification (e.g., Six Sigma Green Belt certification).

## Non-discrimination and special accommodations

All candidate applications will be evaluated objectively, regardless of the candidates' age, gender, race, religion, nationality, or marital status.

To ensure equal opportunities for all qualified persons, PECB will make reasonable accommodations<sup>3</sup> for candidates, when appropriate. If candidates need special accommodations because of a disability or a specific physical condition, they should inform the partner/distributor in order for them to make proper arrangements<sup>4</sup>. Any information that candidates provide regarding their disability/special needs will be treated with confidentiality. To download the Candidates with Disabilities Form, click here.

### **Behavior Policy**

PECB aims to provide top-quality, consistent, and accessible services for the benefit of its external stakeholders: distributors, partners, trainers, invigilators, examiners, members of different committees and advisory boards, and clients (trainees, examinees, certified individuals, and certificate holders), as well as creating and maintaining a positive work environment which ensures safety and well-being of its staff, and holds the dignity, respect and human rights of its staff in high regard.

The purpose of this Policy is to ensure that PECB is managing unacceptable behavior of external stakeholders towards PECB staff in an impartial, confidential, fair, and timely manner. To read the Behavior Policy, click <a href="here">here</a>.

# **Refund Policy**

PECB will refund your payment, if the requirements of the Refund Policy are met. To read the Refund Policy, click <u>here</u>.

<sup>&</sup>lt;sup>3</sup> According to ADA, the term "reasonable accommodation" may include: (A) making existing facilities used by employees readily accessible to and usable by individuals with disabilities; and (B) job restructuring, part-time or modified work schedules, reassignment to a vacant position, acquisition or modification of equipment or devices, appropriate adjustment or modifications of examinations, training materials or policies, the provision of qualified readers or interpreters, and other similar accommodations for individuals with disabilities

<sup>&</sup>lt;sup>4</sup> ADA Amendments Act of 2008 (P.L. 110–325) Sec. 12189. Examinations and courses. [Section 309]: Any person that offers examinations or courses related to applications, licensing, certification, or credentialing for secondary or post-secondary education, professional, or trade purposes shall offer such examinations or courses in a place and manner accessible to persons with disabilities or offer alternative accessible arrangements for such individuals.

