

**TIEMS**

The International Emergency Management Society



## TQC & TQAC Description Document

08.06.2021



### TIEMS International Certifications

#### TQC™ and TQAC™

**TQC™ = TIEMS Qualification Certification**

*In International Emergency and Disaster Management*



**TQAC™ = TIEMS Qualification Associate Certification**

*In International Emergency and Disaster Management*



### SUMMARY

The International Emergency Management Society - TIEMS, believes that education, training, and international certification in emergency and disaster management is the key to improved resilience worldwide. TIEMS has therefore launched a comprehensive international education, training, and certification program, under the motto: "Preparedness Saves Lives!". This Document describes the background and process of the "TIEMS Qualification Certification - TQC and TQAC", from the candidate's application, through compliance evaluation, to the examination. The purpose of this document is to familiarize the candidates with the TQC and TQAC framework, background and process.

# TIEMS QUALIFICATION CERTIFICATIONS

## TQC™ and TQAC™

### CONTENT

<b>1. TQC™ &amp; TQAC Background and Development .....</b>	<b>3</b>
1.1 TQC™ & TQAC™ Motivation .....	3
1.2 What is TIEMS Qualification Certification - TQC™ and TQAC™.....	4
1.3 What is Accreditation .....	4
1.4 Why Another Certification Scheme.....	4
1.5 Why is an International Certification Important .....	5
1.6 TQC™ and TQAC™ vs. EMPS vs. IAEM AEM®/CEM® vs. DMISA .....	5
<b>2. TQC™ and TQAC™ Application and Certification.....</b>	<b>7</b>
2.1 TQC & TQAC Qualification Certification Board Policies.....	7
2.2 TQC & TQAC Application and TQC Re-Certification Form .....	7
2.3 Upgrade from TQAC to TQC Form .....	8
2.4 TQC Re-Certification Form.....	8
2.5 TQC & TQAC Examination Proctoring.....	8
2.6 TQC & TQAC Candidate Evaluation .....	9
2.7 TQC & TQAC Certification Procedures and Platform.....	9
2.8 TQC™ or TQAC™ Compliance and Documentation Requirements .....	11
2.9 Competence Area Summary (CAS).....	13
2.10 TIEMS Academy .....	14
2.11 TQC™ & TQAC™ Certification Examination.....	14
2.12 TQC™ & TQAC Certification Diplomas .....	15
<b>3. TQC™ &amp; TQAC™ Certification Organization and Operations.....</b>	<b>16</b>
3.1 TQC™ & TQAC™ Certification Board .....	16
3.2 TQC™ & TQAC™ Compliance Board .....	16
3.3 TQC™ & TQAC™ Examination Board .....	17
3.4 TIEMS Academy Board .....	17
3.5 TQC™ & TQAC™ Certified Members .....	17
<b>4. TQC™ &amp; TQAC™ Certification Cost and Practical Steps .....</b>	<b>19</b>
4.1 TQC & TQAC Certification Fee Elements and Timing of Certification .....	19
4.2 How to start TQC & TQAC Certification.....	21

## 1. TQC™ & TQAC BACKGROUND AND DEVELOPMENT

The idea for a TIEMS International Certification emerged during the TIEMS 2006 Annual Conference in Korea, and since then around 300 experts from more than 40 countries have, over time, been consulted during the TQC development process, by answering a questionnaire and participating in three workshops in Kiev, Manila, and Seoul, discussing and concluding the TQC concept. Seven test candidates from 6 countries, Australia, China, Jordan, Nigeria, South Africa, and USA have tested the on-line TQC system from A to Z, giving valuable feed-back on the quality, operational aspects, and relevance of TQC, thus guiding TIEMS to attune TQC to the needs of the international emergency management and disaster response community. When TQC was officially launched, TIEMS was soon approached by newly educated professionals, who had proper education but were lacking practical experience in emergency management. TQAC was then established as an additional TIEMS certification for those with proper education in emergency management but were lacking practical experience.

### 1.1 TQC™ & TQAC™ Motivation

With an increasing number of disasters worldwide, resulting in more international collaboration and support to disaster-stricken areas, the need for more education and training in international emergency and disaster management seems evident. TIEMS believes that it is important to raise the awareness of the competencies needed in emergency and disaster management, and to support those participating in these activities and operations in acquiring those competencies. The International Emergency Management Society - TIEMS, believes that education, training, and international certification in emergency and disaster management, is the key to improved resilience worldwide. TIEMS has therefore launched this international certification program under the motto:

***Preparedness Saves Lives!***

TQC & TQAC can act as the facilitator element in the cooperation's efforts between countries and organizations using a common language and a common knowledge and understanding of international emergency and disaster management. This document describes TIEMS Qualification Certifications - **TQC™** and **TQAC™**, which certifies Qualifications in International Emergency and Disaster Management. The process from the candidate's application, through compliance evaluation, to the examination is described, with the purpose to familiarize the candidates with the **TQC** and **TQAC** background, framework, and process.



TIEMS's long-term goal is to become an international certification body officially accredited by a recognized accreditation entity. The short-term goal was to set up the certification

procedure, to implement the supporting certification web platform, and to gain experience for incrementally improving the concept. The short-term goal is reached, and the 7 first experts, coming from 6 different countries, are TQC certified. The work has now started to obtain worldwide recognition and to work towards TIEMS being officially accredited as an international certification body for the TQC and TQAC certification.

## 1.2 What is TIEMS Qualification Certification - TQC™ and TQAC™

### TQC & TQAC For Whom:

- TQC is a certification for individual emergency managers with a nationally recognized professional certification or other individuals with documented competence and experience, practical or academic, in international emergency and disaster management
- TQAC is a certification for individuals with proper education in emergency management but who are lacking the practical experience as required for TQC
- TQC & TQAC only certify knowledge and competences about international standards, requirements, and best practices, necessary to create "an international common understanding" among those working with emergency and disaster management internationally

### TQC & TQAC Objective:

#### TIEMS Believes that Internationally Focused Certifications will:

- Promote Global Competence in Emergency Management
- Share Best Practices
- Support International Collaboration
- Lead to an International Common language, Knowledge and Understanding of Emergency and Disaster Management

<https://www.tiems.info/index.php/education/overview>

## 1.3 What is Accreditation

Accreditation is a third-party attestation related to a conformity assessment body (such as certification body, inspection body, or laboratory) conveying formal demonstration of its competence to carry out specific conformity assessment tasks (such as certification, inspection and testing). An authoritative body that performs accreditation is called an 'accreditation body'. The International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC) provide international recognitions to accreditation bodies. There are many internationally recognized accreditation bodies approved by the IAF and ILAC. For most of the accreditation schemes, international standards issued by the International Organization for Standardization (ISO) are used.

## 1.4 Why Another Certification Scheme

Although there are several qualification and certification schemes for individual emergency managers worldwide, they mainly focus on specific countries' requirements rather than having an international focus. TIEMS Qualification Certification - TQC™ and TQAC™, is based on the assumption, that "*the Applicant is already certified at national level, or he/she has competences and experience recognized at national or international level*".

**TQC™ and TQAC™ only certifies knowledge and competencies about international standards, requirements, and best practices, necessary to create “an international common understanding” among those working with emergency and disaster management internationally.**

The importance of international certification is recognized worldwide. An internationally focused certification will share international standards to: (1) promote global competence in emergency management; (2) share best practices; (3) support international collaboration; and (4) support the establishment of a common international understanding among those working with emergency and disaster management.

### **1.5 Why is an International Certification Important**

Major natural and man-made disasters often extend beyond the borders of a single country. A country hit by a disaster can launch an appeal to the international community for help when the country is unable to properly handle the disaster situation. ***TIEMS Qualification Certifications - TQC™ and TQAC™ can act as the facilitator element in the cooperation's efforts between countries and organizations, through the use of a common language and a common knowledge and understanding.*** Cooperation is also essential to prevention, and the exchange of good practices in prevention and preparedness is the backbone of such cooperation.

### **1.6 TQC™ and TQAC™ vs. EMPS vs. IAEM AEM®/CEM® vs. DMISA**

At present, when launching TQC™ and TQAC™, TIEMS is aware of only three consolidated and professionally accepted Certification Programs, from Australia, USA, and South Africa.

#### **EMPS & AFAC**

The Emergency Management Professionalization Scheme (EMPS) exists to advance the cause of professionalization in the practice of emergency management in Australia and New Zealand. EMPS is supported by AFAC (Australian Fire and Emergency Services Authorities Council). As such, the professional standards used by the scheme are approved by AFAC and represent a national consensus on the training and experience that emergency management practitioners should demonstrate, in order to be considered proficient (at registered level) or expert (at certified level) in their roles. TIEMS's impression is that it has some limitations as: “... *Certification is available for a select number of emergency management roles which carry the highest levels of impact and consequence ....*” or “... *If you are considering making an application, you should check with your organisation whether it will support you. Applicants for certification are responsible for compiling their own portfolio of supporting evidence (or obtaining permission to use a portfolio that has previously been used for an internal credential process) but will need the written endorsement of their organisation to proceed with the certification process ....*”. TQC™ and TQAC™ do not have the same limitations.

Some of above was quoted from the websites:

EMPS: <https://www.emps.org.au/about-us>

AFAC: <https://www.afac.com.au/auxiliary/about>

## IAEM AEM®/CEM®

The International Association of Emergency Managers (“IAEM”) created and administers the Associate Emergency Manager (AEM®) and Certified Emergency Manager (CEM®) certification programs. The AEM® and CEM® certification programs are internationally recognized and certify that the practicing AEM® or CEM® professional has satisfied the education as applicable for the designation requirement, necessary training and experiential program requirements, and passed the examination administered by IAEM as a condition of achieving the applicable certification. TIEMS’s impression is that IAEM AEM®/CEM® is not designed to create a common language and a common understanding among those working with emergency and disaster management internationally, which is the goal of TQC™.

Some of above was quoted from the website:

(<https://www.iaem.org/certification/intro>)

## DMISA - The Disaster Management Institute of South Africa

The professionalisation of the disaster management sector in South Africa has been underway for about 5 years or so. The registration scheme is operated and run by the Disaster Management Institute of Southern Africa (<https://disaster.co.za/>) and it is accredited by the South African Qualifications Authority (SAQA). There are four categories of certification, namely; *Disaster Management Technician*, *Disaster Management Associate*, *Disaster Management Practitioner* and *Disaster Management Professional*. The candidates must have 3-7 years of professional experience in disaster management and possess a tertiary qualification in the disaster management field. The duration of the qualification is 1-4 years. Alternatively, practitioners of disaster management can apply for certification based on prior learning from practice which is 5-20 years in length, based on the category applied for. Application for certification is submitted as a portfolio, which is sent as a compilation of documents and evidence that describe the story of professional development of the applicant. The applicant is often a member of DMISA, but non-members can apply as well. Portfolios are evaluated by experts and previously certified professionals and the decision and the process is seen as developmental. Portfolio contains information such as the employment history and educational history of the applicant, as well as their professional milestones. After certification, the certified person must maintain and further develop competence through categories of continuous professional development.

The South African DMISA certification and the TQC/TQAC seem to be complimentary in nature. DMISA will evaluate the candidate’s local expertise and the TQC/TQAC can lead to the expansion of the professional scope of practice for the South African disaster managers into the international realm. Secondly, the applicant in DMISA certification does not sit for an exam but submits a portfolio, while TQC & TQAC are all on-line and candidates are evaluated through an exam after being found compliant with TQC & TQAC requirements.

Some of above was quoted from the website:

(<https://disaster.co.za/>)

## 2. TQC™ AND TQAC™ APPLICATION AND CERTIFICATION

TIEMS Qualification Certification - TQC & TQAC is a voluntary process. First, an individual's qualifications are evaluated against standards of knowledge, skills, and experience. Qualified individuals are then eligible to take the TQC & TQAC exam and become TQC or TQAC certified based on the results of the exam.

### 2.1 TQC & TQAC Qualification Certification Board Policies

To initiate the TQC and TQAC certification process the Applicant fills in and submits the **TQC & TQAC Application Form** available from the TIEMS web site (<https://tqcpreview.tiems.info/>). In the TQC & TQAC Application Form, the applicant must confirm that he/she has read **TQC & TQAC Brief Introduction** and the **TQC & TQAC Code of Conduct**, and that he/she will adhere to **TQC & TQAC Code of Conduct** in the certification process. The Application will be evaluated and the Applicant, if satisfying the TQC or TQAC qualification and experience requirements, will get a "green light" to continue the certification process, either for TQC or TQAC certification. If, however, the Applicant is not fulfilling the compliance requirements, as described in the section "**TQC or TQAC Qualification Certification Compliance Requirements**", he/she will be notified accordingly. However, the **TQC & TQAC** is fundamentally a developmental process, so TQC & TQAC Administration will do their utmost to facilitate the remedy of any shortcoming that an applicant might experience in relation to the **TQC or TQAC** compliance requirements. Participatory engagement between TQC & TQAC Administration and the applicants will be facilitated wherever possible, e.g., through TIEMS Education and Training.

### 2.2 TQC & TQAC Application and TQC Re-Certification Form

The Application Form comprises all three types of Applications for TIEMS International Certification in one form with one header and four sections as shown below.

Header			
 			
<p>Welcome to the TIEMS International Certifications - TQC &amp; TQAC.</p> <p>Please familiarize yourself with the process and requirements of the TQC &amp; TQAC Certification by reading the following documents and check off that you have read and understood them, and that you think you meet the requirement criteria for TQC &amp; TQAC Certification and will respect the TQC &amp; TQAC Code of Conduct.</p> <p>Once you are comfortable that you meet the required criteria, simply fill out below to alert us of your interest in pursuing certification or re-certification.</p> <p>Please be aware that <b>ALL fields except "State"</b> are required in SECTION 1 of the form. Failure to provide a complete application may result in a summary rejection of your application.</p>			
Please Select Application Type		<input type="radio"/> TQC & TQAC Application <input type="radio"/> Upgrade from TQAC to TQC <input type="radio"/> TQC Re-Certification	
TQC & TQAC Brief Introduction		<input type="checkbox"/> I have read and understood the Introduction	
TQC & TQAC Code of Conduct		<input type="checkbox"/> I have read and understood the Code of Conduct	
<b>The General Section</b> Personal Data on the Applicant		1	
<b>The TQC &amp; TQAC Application Section</b> Applicant's Education, Experience and Motivation		2	
<b>Upgrade from TQAC to TQC Section</b> Applicant's Education, Training and Experience since TQAC Certification		3	
<b>The TQC Re-Certification Section</b> Applicant's Education, Training and Experience since TQC Certification		4	

The Application Form Header with Choices of Application Type and links to Documents to Read before Starting the Application

The General Section 1 to be filled in for all the three types of Application.

Section 2 to be filled in for those applying for TQC or TQAC Certification

Section 3 to be filled in for those applying for upgrade from TQAC to TQC

Section 4 to be filled in for those applying for TQC Re-Certification

The TQC & TQAC Certification Board will inform the candidate if he/she is qualified for TQC or TQAC Certification after viewing their education and experience described in the candidate's application form.

### 2.3 Upgrade from TQAC to TQC Form

A candidate who is TQAC certified, can apply for upgrade from TQAC to TQC certification when he/she has acquired the experience and education necessary for becoming TQC certified. The candidate needs to fill in the third section on the form and will be evaluated by the TQC & TQAC Compliance board, and if fulfilling the requirements, receive the TQC & TQAC Certification and Diploma.

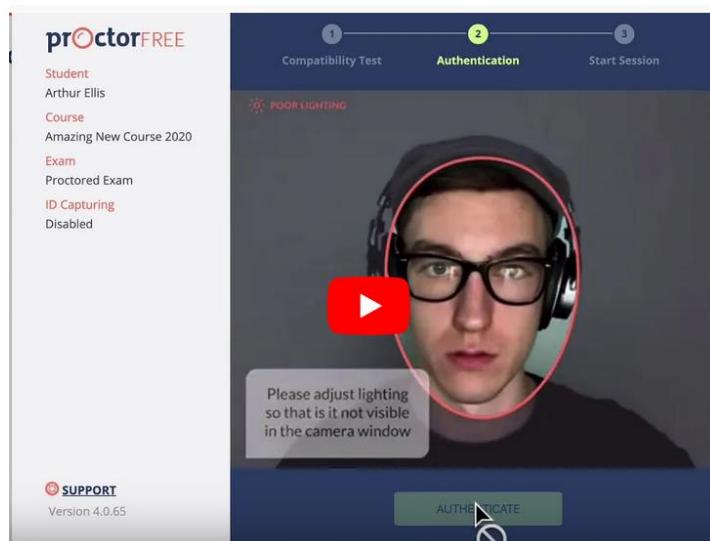
### 2.4 TQC Re-Certification Form

TQC is awarded for a three-year period, with re-certification efforts required prior to the end of the third year. The TQC Certification Board will notify the TQC-certified person at the beginning of their third year, asking them to submit the fourth section of the form, the *TQC Re-Certification Form* if he/she intends to maintain his/her certification. The TQC & TQAC Certification Board will then evaluate the TQC-certified person's experience, activity, and education/training during the 3 years TQC certification period, and, if the person continues to be qualified, issues a *Re-Certification Certificate*, or asks the candidate to take the *TQC Re-Certification Exam*. In the latter case, the evaluation will follow the same procedure, but simpler, as with a new TQC certification.

The link to the application form is: <https://tqcpreview.tiems.info/>

### 2.5 TQC & TQAC Examination Proctoring

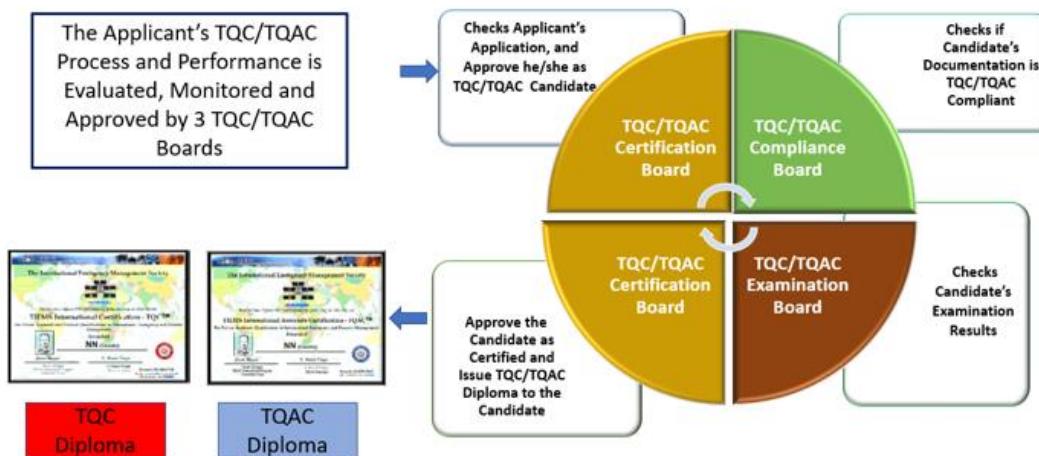
In order for the TQC & TQAC candidates to take the TQC & TQAC exam wherever they are worldwide, TIEMS has arranged for on-line proctoring of the TQC & TQAC candidates during their examination by using the ProctorFree solution. ProctorFree is an on-demand, automated, proctoring solution designed to help institutions of higher learning and commercial organizations add layers of security and academic integrity to the online learning environment experience. ProctorFree provides an accurate identification and authentication of the TQC & TQAC exam candidate. This proctoring solution is scalable, user-friendly, and cost-effective. For more information about ProctorFree, please visit [www.proctorfree.com](http://www.proctorfree.com).



The TQC & TQAC Candidate must be a TIEMS Member (as defined in the [TIEMS membership plans](#)) to apply for TQC & TQAC certification and to start his/her TQC™ & TQAC™ Certification process. After TQC & TQAC certification, the candidate membership will be a TIEMS Professional Certified Member.

## 2.6 TQC & TQAC Candidate Evaluation

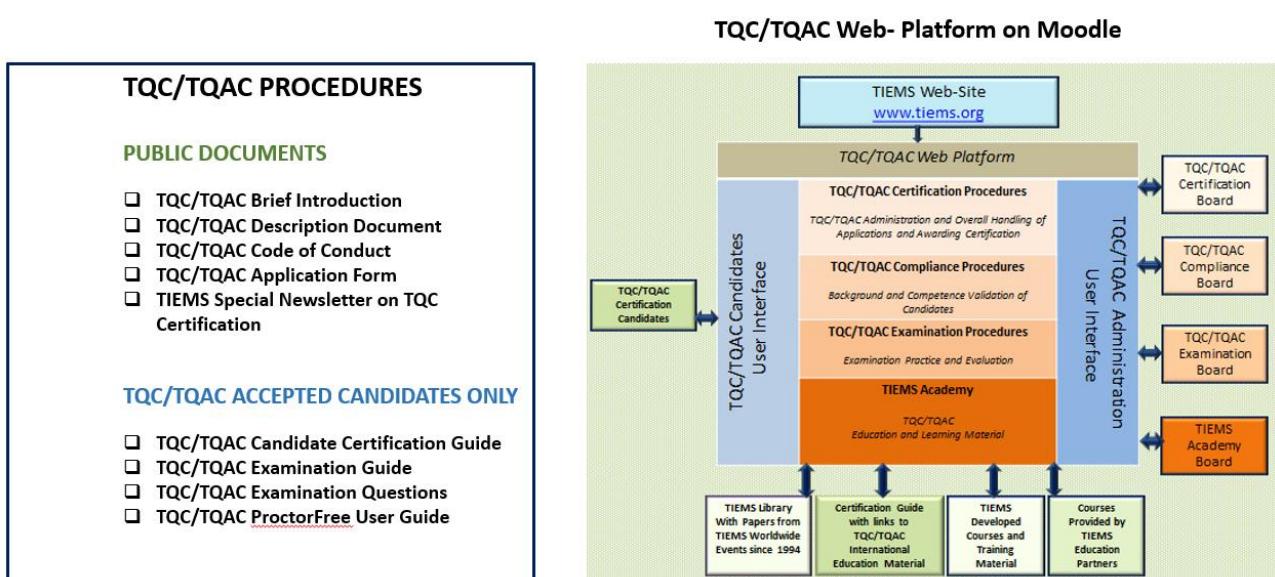
The figure below shows how the TQC & TQAC Certification Board, TQC & TQAC Compliance Board, and TQC & TQAC Examination Board interact with applicants during the TQC & TQAC certification process.



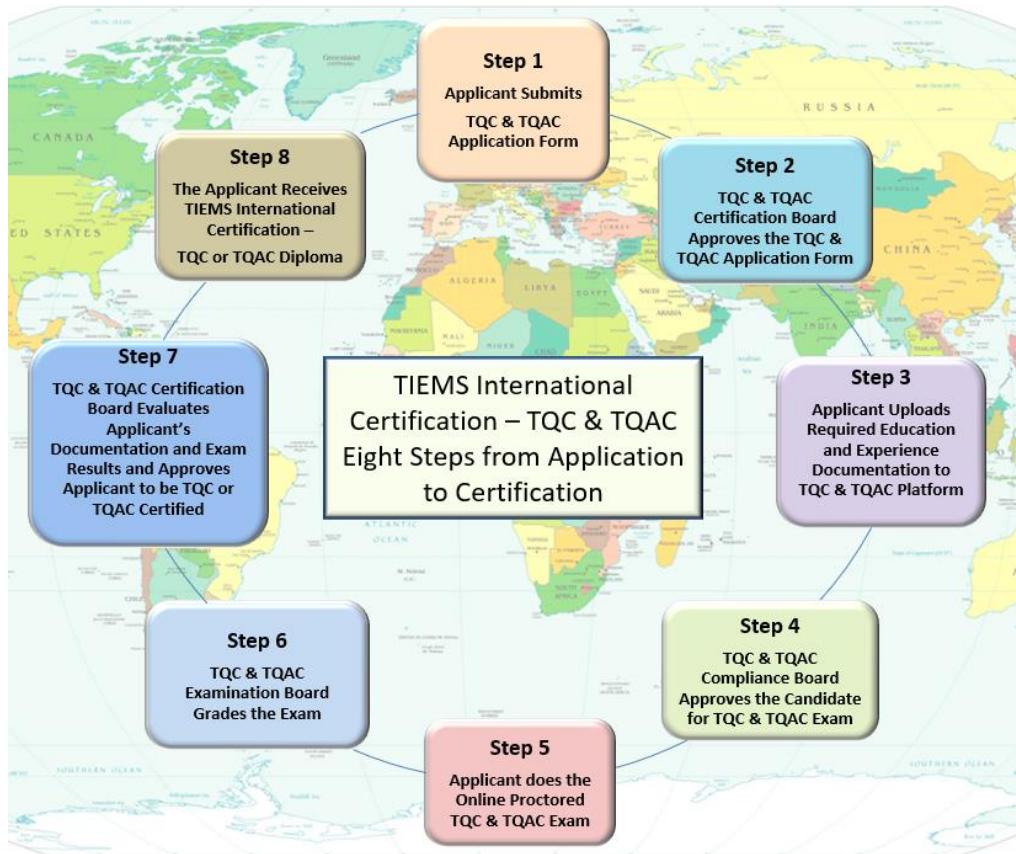
The TQC & TQAC process and composition and duties of the different TQC & TQAC boards are described in the following.

## 2.7 TQC & TQAC Certification Procedures and Platform

The full TQC & TQAC Certification Procedure is available for potential Applicants from the TIEMS Web-site at: [TIEMS Education and Training](#), which has a link to the TQC & TQAC Platform, as shown below together with the TQC & TQAC procedures framework.



To start the process for applying for TIEMS Qualification Certification - TQC or TQAC, the candidate needs to answer the questions in the **TQC & TQAC Application Form** and submit it. The TQC & TQAC Certification Board will evaluate the candidate's TQC & TQAC Application Form within 7 days, and if accepted, the candidate will receive, to his/her e-mail address, a unique **Password** and **Username**, which is to be used when logging in to the TQC & TQAC Platform and continue the TQC or TQAC application process. If the TQC & TQAC Application Form is not accepted by the TQC & TQAC Certification Board, the candidate will be advised on how he/she can improve his/her qualifications before applying again for TQC or TQAC Certification. The TQC & TQAC process is organized in 8 steps as shown in the figure below.



The TQC & TQAC Application and Compliance Process comprises of the four first steps (1 - 4) in the full TQC & TQAC certification process:

STEP 1	STEP 2 & 3	STEP 4
<p>An Applicant who decides to apply for TQC or TQAC Certification interacts with <b>TQC &amp; TQAC Certification Board</b> by filling out the <b>TQC &amp; TQAC Application Form</b> available from <b>TIEMS Web-site</b>, and thus apply for <b>TQC or TQAC Certification</b>.</p>	<p><b>The TQC &amp; TQAC Certification Board evaluates the Application Form</b> and if finding him/her qualified, sends him a "username" and "password" for getting access to the TQC &amp; TQAC Platform. He/she then needs to upload all the required documentation on education, participation, contribution, and competence with focus on international aspects, to the TQC &amp; TQAC Platform.</p>	<p><b>The TQC &amp; TQAC Compliance Board</b> assesses all Applicant's documentation and follows the <b>Compliance Rules</b> to verify if it is compliant. If compliant, the <b>TQC &amp; TQAC Compliance Board</b> gives the candidate "green light" to continue the certification process. If not, the <b>TQC &amp; TQAC Compliance Board</b> will provide feedback to the applicant to help him/her to correct deficiencies, where possible, before the candidate can continue the <b>TQC or TQAC certification process</b>.</p>

The TQC & TQAC Examination and Approval Process comprises the four last steps (5- 8) in the full TQC & TQAC certification process:

STEP 5 & 6	STEP 7 & 8
<p><i>After the candidate is found TQC or TQAC compliant, the TQC &amp; TQAC Examination Board works with the candidate to set up and administer a proctored on-line exam according to the TQC &amp; TQAC Examination Guide. After the exam, the TQC &amp; TQAC Examination Board evaluates the candidates TQC &amp; TQAC examination results.</i></p>	<p><i>The TQC &amp; TQAC Certification Board assesses the Candidate's Compliance and Examination Results and decides whether to award TQC or TQAC Certification to the Candidate. The TQC &amp; TQAC Certification Board completes its activity by issuing the TQC or TQAC certification to the candidate and awarding him/her the TQC or TQAC Diploma.</i></p>

The Candidate is informed about his/her TQC & TQAC examination results, and either awarded **TQC or TQAC certification**, or advised that he/she failed to pass the TQC & TQAC examination. The Candidate may retake the exam, at no additional cost, within 3 months. After examination failure a second time, or Compliance deficiencies, the Candidate may be advised that he/she can reapply for TQC & TQAC certification at a later stage, having improved his/her skills required by the TQC & TQAC Compliance Requirements.

## 2.8 TQC™ or TQAC™ Compliance and Documentation Requirements

To be eligible to take the TQC & TQAC exam, a candidate should provide evidence of **education, participation, contribution, and competence**. The figure below gives an overview of TQC and TQAC prerequisites and necessary documentation:


**TQC™ Certification Prerequisites**

To be eligible to take the TQC exam, a candidate should provide evidence of **Education, Participation, Contribution, and Competence**

*The Applicant is encouraged to identify international aspects in any of the below!*

<p><b>Education</b> - One or more of the following:</p> <ul style="list-style-type: none"> <li>i. Bachelor's degree in science, engineering, social science or emergency/disaster management specialty (International Standard Classification of Education Level 6, e.g., a bachelor's degree from a reputable university)</li> <li>ii. Minimum 50 hours of emergency/disaster management training in the last 5 years</li> <li>iii. A certification related to emergency/disaster management at the national level</li> </ul>	<p><b>Participation</b> -</p> <p>The candidate is required to have at least 3 years' experience as a first responder, volunteer, educator, leader, or other activity, practical or academic, directly involved with emergency/disaster management, in the last 6 years.</p> <p><b>Contribution</b> - one or more of the following</p> <ul style="list-style-type: none"> <li>i. At least 5 publications or speaking engagements in emergency/disaster management</li> <li>ii. Participation as leader or board member of an organization that participates in emergency/disaster management</li> <li>iii. Teaching emergency/disaster management</li> </ul>	<p><b>Competence</b> -</p> <p>The candidate is required to show having competence (experience or education) in seven areas of emergency and disaster management:</p> <ul style="list-style-type: none"> <li>i. International Perspectives</li> <li>ii. Preparedness, Prevention, and Mitigation</li> <li>iii. Predictions and Early Warning</li> <li>iv. Emergency Operations</li> <li>v. Public Warning</li> <li>vi. Search and Rescue</li> <li>vii. Recovery and Reconstruction</li> </ul> <p><b>TQC &amp; TQAC Code of Conduct</b></p> <p><b>Read and follow the TQC &amp; TQAC Code of Conduct during the TQC/TQAC Certification Process</b></p>
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## TQC™ Required Documentation

- A Curriculum Vitae (CV), showing the candidate's educational and professional experience  
The CV should cover:
  - a) Address and contact information
  - b) Work experience
  - c) Education and training
  - d) Language skills
  - e) Other information the candidate wishes to include
- Copies of Degree Diplomas, Program Certificates, and Course Completions
- Copies of Certifications Related to Emergency and Disaster Management
- Evidence of Publications, Presentations, Teaching, or Leadership
- A professional reference describing the candidate's participation in emergency/disaster management activities
- Additional Background and Experience Documentation
- A Competence Area Summary, Demonstrating Knowledge in the Following 7 Competence Areas:
  - a) International Perspectives
  - b) Preparedness, Prevention, and Mitigation
  - c) Predictions and Early Warning
  - d) Emergency Operations
  - e) Public Warning
  - f) Search and Rescue
  - g) Recovery and Reconstruction



## TQAC™ Certification Prerequisites

To be eligible to take the TQAC exam, a candidate should provide evidence of

### ***Education and Competence***

*The Applicant is encouraged to identify international aspects in any of the below!*

#### ***Education - One or more of the following:***

- i. Bachelor's degree in science, engineering, social science or emergency/disaster management specialty (International Standard Classification of Education Level 6, e.g., a bachelor's degree from a reputable university)
- ii. Minimum 50 hours of emergency/disaster management training in the last 5 years
- iii. A certification related to emergency/disaster management at the national level

#### ***Competence -***

The candidate is required to show having competence (experience or education) in 3 of the seven areas of emergency and disaster management (according to own choice of which):

- i. International Perspectives
- ii. Preparedness, Prevention, and Mitigation
- iii. Predictions and Early Warning
- iv. Emergency Operations
- v. Public Warning
- vi. Search and Rescue
- vii. Recovery and Reconstruction

### ***TQC & TQAC Code of Conduct***

**Read and follow the TQC & TQAC Code of Conduct  
during the TQC/TQAC Certification Process**

## TQAC™ Required Documentation



- A Curriculum Vitae (CV), showing the candidate's educational and professional experience  
The CV should cover:
  - a) Address and contact information
  - b) Work experience
  - c) Education and training
  - d) Language skills
  - e) Other information the candidate wishes to include
- Copies of Degree Diplomas, Program Certificates, and Course Completions
- Copies of Certifications Related to Emergency and Disaster Management
- A professional reference describing the candidate's participation in emergency/disaster education
- Additional Background Documentation
- A Competence Area Summary, Demonstrating Knowledge in 3 of the Following 7 Competence Areas ((according to own choice of which):
  - a) International Perspectives
  - b) Preparedness, Prevention, and Mitigation
  - c) Predictions and Early Warning
  - d) Emergency Operations
  - e) Public Warning
  - f) Search and Rescue
  - g) Recovery and Reconstruction

### 2.9 Competence Area Summary (CAS)

The TQC candidate is required to show having competence (experience or education) in seven areas of emergency and disaster management. The TQAC candidate can chose to show competence in three of the seven areas.

1. International Perspectives
2. Preparedness, Prevention, and Mitigation
3. Predictions and Early Warning
4. Emergency Operations
5. Public Warning
6. Search and Rescue
7. Recovery and Reconstruction

In each section of CAS, the candidate must provide one of the following:

- Either a brief summary of and reference to the candidate's CV or other uploaded documentation that shows that the candidate has experience or education in the competence area
- Or a 3-5 pages essay on a topic in the competence area

**Note:** Each competence area section in the CAS requires either a summary or an essay, not both. An essay is only required if there is nothing in the candidate's experience or education that can be summarized and referenced to demonstrate the required competence.

## 2.10 TIEMS Academy

TIEMS Academy will guide the TQC & TQAC Certification Candidates to relevant material for their preparation for the TQC & TQAC certification. As time goes by, TIEMS Academy will be providing access to an increasing number of courses relevant to TQC & TQAC certification.

TIEMS Academy and Present Courses	
<b>TIEMS Academy</b>	
<p><i>The overall goal is that TIEMS Academy shall be an online portal that will make emergency management educational resources, from TIEMS and reputable educational institutions and initiatives, broadly available worldwide</i></p>	<b>TIEMS Academy Contains</b> <ul style="list-style-type: none"><li><input type="checkbox"/> <i>TIEMS Educational Material, in form of Programs and Proceedings from TIEMS International Events (1994 – 2020)</i></li><li><input type="checkbox"/> <i>TIEMS own Developed Courses</i></li><li><input type="checkbox"/> <i>Courses provided by the TIEMS International Education Network</i></li><li><input type="checkbox"/> <i>Links Provided to Relevant International Teaching Material for TIEMS International Certification</i></li></ul>

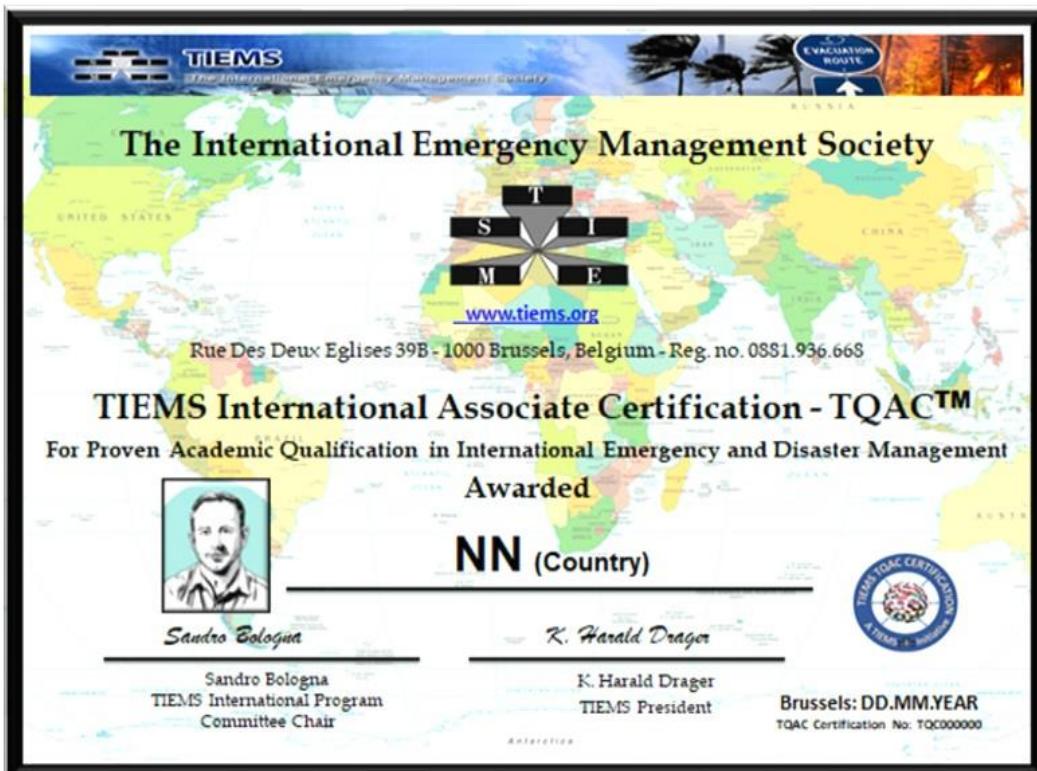
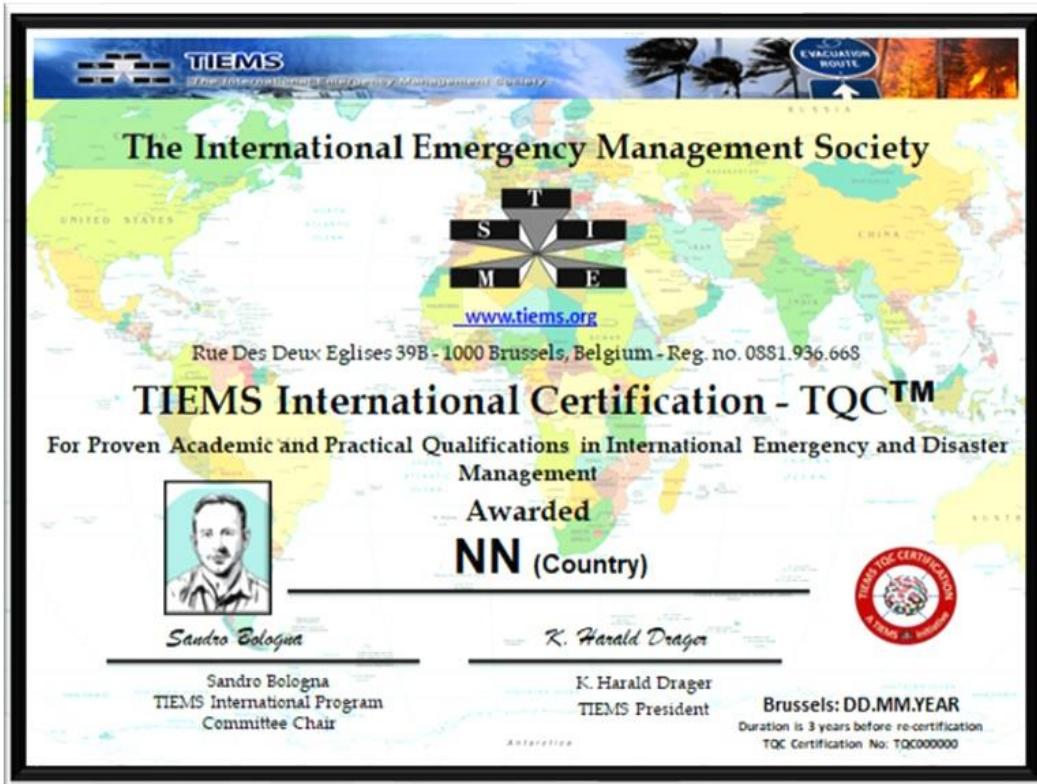
## 2.11 TQC™ & TQAC™ Certification Examination

The TQC & TQAC exam covers the Competency Framework on “International perspectives, standards, and best practices” and consists of 10 essay and 50 multiple-choice questions from 4 selected examination areas as shown in below figure. The TQC candidate and the TQAC candidate have the same exam.

TQC™ & TQAC™ Curriculum & Examination		
<ul style="list-style-type: none"><li><input type="checkbox"/> TIEMS encourages TQC/TQAC candidates to gain exposure to the many aspects that comprise the field. The TQC/TQAC Web Platform with TIEMS Academy, therefore, provides references to the most important areas.</li><li><input type="checkbox"/> During the TQC/TQAC Compliance Process, the Candidate has to demonstrate experience or knowledge in 7 (TQC) or 3 (TQAC) Competence Areas by a Competence Areas Summary (CAS)</li><li><input type="checkbox"/> However, for the TQC/TQAC examination, the focus is on 4 important areas, on which the TQC/TQAC Candidate will be tested in a proctored, “closed book” examination process.</li></ul>	<p><b>Competence Area Summary Comprises</b></p> <ul style="list-style-type: none"><li>▪ International Perspectives</li><li>▪ Preparedness, Prevention, and Mitigation</li><li>▪ Predictions and Early Warning</li><li>▪ Emergency Operations</li><li>▪ Public Warning</li><li>▪ Search and Rescue</li><li>▪ Recovery and Reconstruction</li></ul>	<p><b>TQC/TQAC Examination Areas</b></p> <ul style="list-style-type: none"><li>International Perspectives</li><li>Sendai Framework</li><li>ISO Standards</li><li>INSARAG Framework</li></ul>

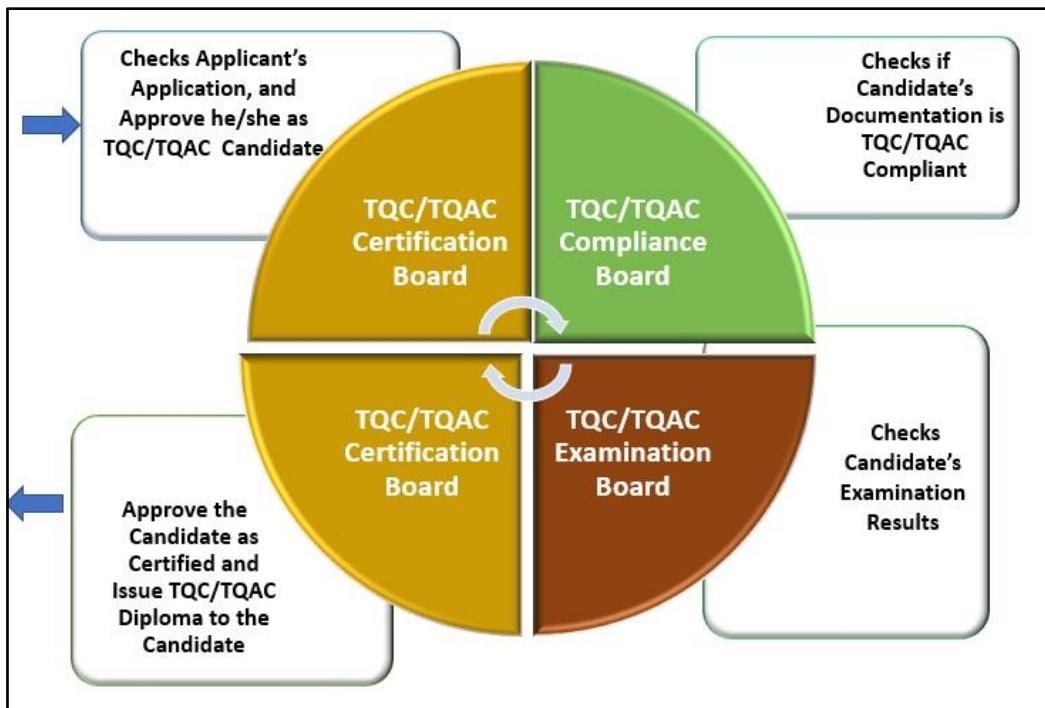
## 2.12 TQC™ & TQAC Certification Diplomas

When the candidate has met all TQC or TQAC requirements and passed the TQC & TQAC exam he/she will be awarded the TQC or TQAC Diploma:



### 3. TQC™ & TQAC™ CERTIFICATION ORGANIZATION AND OPERATIONS

The TQC & TQAC Certification organization is part of the overall TIEMS organization, and comprises three major boards, as shown in the proceeding, TQC & TQAC Certification Board, TQC & TQAC Compliance Board and TQC & TQAC Examination Board. One additional Board, the TIEMS Academy Board, supports TQC & TQAC by providing access to TQC & TQAC teaching material. All four boards are described in the following.



#### 3.1 TQC™ & TQAC™ Certification Board

The TQC & TQAC Certification Board has overall responsibility for the TQC & TQAC certification process and awarding the successful candidates with the TQC or TQAC Certification and TQC & TQAC Diplomas. The TQC & TQAC Certification Board Chair and TIEMS International Program Chair will sign the TQC & TQAC Diplomas given to the successful candidates.

#### 3.2 TQC™ & TQAC™ Compliance Board

The TQC & TQAC Compliance Board has the following responsibilities:

- Establish the criteria a TQC & TQAC Applicant should satisfy to be eligible to take the TQC & TQAC certification exam
- Identify the information and documents TQC & TQAC Applicants should submit to the Compliance Board to begin the TQC & TQAC process; on education, participation, contribution and competence area summary (CAS)
- Assess TQC & TQAC candidates' submitted information and documents and make one of the following determinations:
  - The Applicant is eligible to take the TQC & TQAC exam
  - The Applicant does not appear to be eligible to continue the TQC & TQAC process
  - Deficiencies are identified, and the candidate may submit additional information or reapply at a later time
- Issue a TQC & TQAC Compliance Report

Generally, the requirements for knowledge, participation, and contribution can be satisfied in various alternative ways. It will be up to the TQC & TQAC Compliance Board to decide if the applicant has demonstrated that he/she has met the qualifications. The TQC & TQAC Compliance Board will provide feedback to the applicant to help him/her correct deficiencies, where possible.

### 3.3 TQC™ & TQAC™ Examination Board

The TQC & TQAC Examination Board handles the TQC & TQAC examination process for the TQC & TQAC Candidates.

The TQC & TQAC Examination Board is composed of TIEMS representatives belonging to the [TIEMS International Group of Experts \(TIGE\)](#). The TQC & TQAC Examination Board reflects the spectrum of emergency management expertise knowledgeable of existing International Standards and Best Practices. The TQC & TQAC Examination Board is a peer-review body and ensures that the Certification Program remains open, fair, and impartial; retains integrity; and implements the mission of emergency management, by certifying that successful applicants have met the minimum standards outlined in the program. TQC & TQAC Examination will be based on a set of Essay Questions and Multiple-Choice Questions reflecting the TQC & TQAC Competence Framework.

### 3.4 TIEMS Academy Board

TQC & TQAC Applicants may acquire required competencies anywhere they wish - past coursework or experience, independent study, or they may take on-line or in-person courses. Over time, TIEMS Academy will be providing access to an increasing number of courses relevant to TQC & TQAC Competencies. TIEMS Academy and the TQC & TQAC Compliance board will indirectly complement each other. TIEMS Academy will guide the TQC & TQAC Certification Candidates to relevant learning material for their preparation for the TQC & TQAC examination. This teaching material will include:

- TIEMS Library with Programs and Proceedings from TIEMS Worldwide Conferences and Workshops: [Click Here](#)
- TIEMS developed Courses (*Will be added continuously as they are made available from TIEMS worldwide chapters and members*)
- Courses available from [TIEMS International Education Partners](#)
- TQC & TQAC Candidate Certification Guide (*Contain links to teaching material recommended for TQC& TQAC candidates in the TQC & TQAC Platform*)

### 3.5 TQC™ & TQAC™ Certified Members

In order to see to it that TIEMS International Certifications - TQC™ & TQAC™, is relevant and appropriate, and fulfilling the needs of the emergency management and disaster response community, and that it is up-to-date and using state-of-the-art technology, TIEMS invited experienced professionals with different backgrounds and experience and from different countries, to be test candidates of TQC before it was opened to the community of professionals. Their role was to test the system from A to Z and give valuable feed-back on the quality, operational aspects, and relevance of this certification, to allow TIEMS to tune it to the needs of the international emergency management community experts. The TQC Test Candidates were also asked to provide local/regional information on relevant organizations and institutions. All TQC Test Candidates have passed the TQC & TQAC Exam and have been TQC Certified and are TQC Charter members.

## TQC™ Certified Members 2021

*The TQC Certified Members are those who have fulfilled TQC Certification Requirements by passing through all phases of TQC Certification: TQC Application, TQC Compliance, and TQC Examination*

These are the TQC Charter Members

- 
1. Desiree Beekharry (Australia)
  2. Larry A. Porter (USA)
  3. Gbenga Morenikeji (Nigeria)
  4. Nothemba M. Mhlaba (South Africa)
  5. Naill Al Momani (Jordan/Dubai)
  6. Russell Dippy (Australia)
  7. LiLi (China)

- TQC is awarded for a three-year period
- Re-certification efforts required prior to the end of the third year
- Submit the Re-Certification Form
- Evaluation of the TQC-certified person's experience, activity, and education/training during the 3 years
- Re-Certification Certificate, Or, Re-Certification Exam

TQAC Charter Members are those who are TQAC Certified in 2021.

TQAC is a one time award, showing proper education in emergency management. TQAC can be upgraded to TQC Certification when the candidate has achieved the necessary practical experience (Participation and Contribution) in emergency management. The candidate can then submit the ***TQAC Certification Upgrade to TQC Form***. The TQAC-certified person's experience and activity will be then evaluated, and if fulfilling the ***TQC Requirements***, awarded the ***TQC Certification***.

## TQAC™ Charter Members 2021

*The TQAC Charter Members are those who have fulfilled TQAC Certification Requirements by passing through all phases of TQAC Certification: TQAC Application, TQAC Compliance, and TQAC Examination in 2021*

- TQAC is a One Time Award, Showing Proper Education in Emergency Management
- TQAC can be Upgraded to TQC Certification when the Candidate has Achieved the Necessary Practical Experience (Participation and Contribution) in Emergency Management
- The Candidate can then Submit the ***TQAC Certification Upgrade to TQC Form***
- Before sending the upgrade form, the TQC upgrade fee has to be paid
- The TQAC-certified Person's Experience and Activity will be then Evaluated, and if Fulfilling the TQC Requirements, awarded the TQC Certification

## 4. TQC™ & TQAC™ CERTIFICATION COST AND PRACTICAL STEPS

TQC & TQAC candidates need to be a TIEMS member in good standing (paid membership), before their TQC & TQAC application will be processed by the TQC & TQAC Certification Board. The following link can be used to become a TIEMS member: [Becoming a TIEMS Member](#)

To start the process for applying for TIEMS International Certification - TQC & TQAC, the candidate needs to fill out and submit the **TQC & TQAC Application Form** which is found on the following link: [TQC & TQAC Application Form](#)

The TQC & TQAC Certification Board will evaluate the candidate's TQC & TQAC Application Form within 7 days, and if accepted, he/she will receive an e-mail address, with a unique **Password** and **Username**, which is to be used when logging in to the TQC & TQAC Platform and continue the TQC & TQAC application process. The candidate will be advised if he/she is eligible for TQC or TQAC certification.

The TQC & TQAC Platform is found on the following link: [TQC & TQAC Platform](#)

If the applicant's TQC & TQAC Application Form is not accepted by the TQC & TQAC Certification Board, he/she will be advised on how to improve qualifications before applying again for TQC & TQAC Certification.

TIEMS general policy is that education and certification in emergency and disaster management should be affordable by most, and therefore the cost of being TQC & TQAC certified will be kept at a minimum, covering the cost to TIEMS for offering and maintaining the TQC & TQAC service.

### 4.1 TQC & TQAC Certification Fee Elements and Timing of Certification

The price to become TQC certified, consists of 3 price elements paid at different time during the certification process:

- [TIEMS Membership](#)

Needs be paid before TQC Application Form will be considered by TQC Certification Board

- [TQC or TQAC Application Fee](#)

Needs to be paid after the applicant is found eligible for continuing the TQC & TQAC certification process, based on his/her application. When paid, the candidate will get access to the TQC & TQAC platform for uploading required documentation

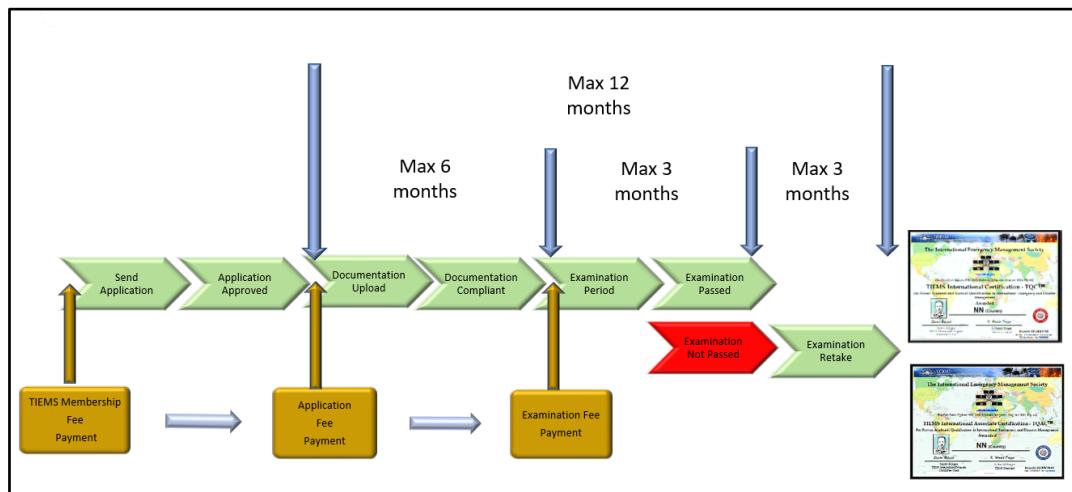
The candidate has 6 months for uploading all documentation for TQC & TQAC compliance evaluation after gaining access to the TQC & TQAC platform. The TQC & TQAC Compliance Board will guide and assist the candidate in the TQC & TQAC compliance process. This interactive assistance will assure that TQC & TQAC process also is a learning process for the candidates.

- [TQC Examination Fee](#)

Needs to be paid before the candidate is given access to TQC & TQAC Examination.

The candidate has three months for finishing his/her TQC & TQAC examination after he/she has been given access to the TQC & TQAC examination. If the candidate fails the TQC & TQAC examination, he/she will be allowed to retake it within 3 months at no additional cost.

The total process from Application approval to finalize TQC & TQAC examination should be less than 12 months. The below figure illustrates the TQC & TQAC certification process steps, payments schedule and timing.



After the Applicant has passed the TQC exam, his/her TIEMS membership will be upgraded to **TIEMS Professional Certified Member**.

Two more fee elements are relevant:

- [TQAC to TQC Upgrade Fee](#)

Needs to be paid before starting the TQAC to TQC Upgrade process

- [TQC Re-Certification Fee](#)

Needs to be paid before starting the TQC Re-Certification Process

The TQC & TQAC Fee elements and when to be paid is illustrated in below figures, including discounts given in 2021 to TQC & TQAC Applicants as well as the possibility to apply for TIEMS TQC & TQAC Scholarship.

<b>TIEMS ANNUAL MEMBERSHIP FEES</b>	
(ONE OF THE FOLLOWING TIEMS MEMBERSHIPS IS REQUIRED BEFORE SENDING THE TQC/TQAC APPLICATION)	
<input type="checkbox"/> Standard Member -- One Year Membership:	<b>95 €</b>
<input type="checkbox"/> Standard Member Transition Economy Country -- One Year Membership:	<b>35 €</b>
<input type="checkbox"/> Student Member -- One Year Membership:	<b>25 €</b>
<input type="checkbox"/> Institutional Member -- One Year Membership: ➤ Includes 5 TIEMS Memberships	<b>310 €</b>
<input type="checkbox"/> Professional Certified Member -- One Year Membership: ➤ This membership is for TQC Certified Members after their certification	<b>125 €</b>

## TQC CERTIFICATION & EXAMINATION & RE - CERTIFICATION FEES

(BOTH OF BELOW FEES IS REQUIRED DURING THE TQC CERTIFICATION PROCESS)

- |  |   |
|--|---|
| <input type="checkbox"/> TQC Certification Fee:      | <b>125 €</b> (BEFORE STARTING THE TQC COMPLIANCE PROCESS)   |
| <input type="checkbox"/> TQC Examination Fee:        | <b>100 €</b> (BEFORE STARTING THE TQC EXAMINATION PROCESS)  |
| <input type="checkbox"/> TQC Re - Certification Fee: | <b>100 €</b> (BEFORE STARTING THE RE-CERTIFICATION PROCESS) |

## TQAC CERTIFICATION & EXAMINATION AND TQC UPGRADE FEES

(ALL OF BELOW FEES IS REQUIRED DURING THE TQAC CERTIFICATION PROCESS AND UPGRADE TO TQC PROCESS)

- |   |   |
|---|---|
| <input type="checkbox"/> TQAC Certification Fee:  | <b>75 €</b> (BEFORE STARTING THE TQAC COMPLIANCE PROCESS)       |
| <input type="checkbox"/> TQAC Examination Fee:    | <b>100 €</b> (BEFORE STARTING THE TQAC EXAMINATION PROCESS)     |
| <input type="checkbox"/> TQAC Upgrade to TQC Fee: | <b>50 €</b> (BEFORE STARTING THE TQAC TO TQC UPGRADING PROCESS) |

**□ In TQC/TQAC Inaugural year 2021, TIEMS is offering 50 % discount on above TQC/TQAC Certification & Examination Fees!**

**□ TIEMS members from transition economy countries can apply for TIEMS TQC/TQAC Scholarship, which will cover TQC/TQAC Application Fee and 50 % of the TQC/TQAC Examination Fee for qualified applicants**

It is also to be understood that TIEMS does not guarantee that an applicant's certification will be successful. No claim of liability, in any shape of form, can be made by any applicant against TIEMS and/or any of its officers who are part of the TQC & TQAC process.

## 4.2 How to start TQC & TQAC Certification

