



***New Emergency
Management in a Resilience
Era Facing Health, Climate
and Energy Challenges***

6th to 10th December 2021

Date and slot of presentation to be
filled in shortly

**Emerging Trends in International
Certifications in Emergency Management**

Prof. N. Vinod Chandra Menon
Senior Advisor & Mentor,
**International Institute of Information
Technology (ISquareIT), Pune, India**

Outline of the Presentation

- Background and Context
- Emergency Management Professionals
- Need for Strengthening Capacity Building of Emergency Management Professionals
- International Certifications in Emergency Management
- TIEMS TQC and TQAC



Background and Context

- Emergency Management (EM) professionals include humanitarian assistance practitioners, aid workers, first responders, representatives of civil society organisations, staff of donor organisations, etc.
- ALNAP estimated in 2008 that the number of humanitarian aid workers around the world was 210,800, mostly working in NGOs,
- Stoddard, Harmer and DiDominico estimated that in 2008, approximately 595,000 aid workers from development and humanitarian assistance agencies worldwide were working for UN agencies, IFRC and leading NGOs. This estimated number did not include peacekeepers and human rights workers, nor did it include national organizations active only in their own country.
- It was also estimated that this number would be growing annually at 6%.
- Based on the growth of educational institutions teaching disaster management, emergency management, conflict studies and environmental sciences, social work, psychology, etc. it can be estimated that the number of humanitarian assistance and aid workers and volunteers must be a few millions.



Emergency Management Professionals

- Humanitarian Assistance Practitioners and Aid workers
- First responders like police, fire and emergency services, medical first responders, armed forces and para military forces personnel
- Doctors, Nurses, Paramedics, Emergency Medical Technicians, ambulance and blood bank staff
- Social workers and Psychologists
- Civil Engineers, Structural Engineers, Geo technical Engineers, Computer Scientists, Data Scientists, Modellers
- Architects
- Geo Informatics Specialists
- Meteorologists and Climate Scientists
- Government officials and elected representatives
- Corporate executives
- Staff of NGOs and donor organisations
- Media professionals



Need for Capacity Building

- Disaster Management and Emergency Management is becoming more challenging with emerging complexities in disaster typologies.
- We cannot anymore solve today's problems with yesterday's solutions.
- Emergency Management is increasingly becoming everybody's collective responsibility.
- All disaster management professionals and emergency management practitioners need to have the competencies to prepare for, respond to and recover from disasters, climate change and extreme events.
- Many Universities are conducting academic programmes in disaster management, emergency management, conflict studies, environmental sciences and several multi-disciplinary and trans-disciplinary fields like social work, psychology, etc.
- Institutions and Professional networks like the International Association of Emergency Managers IAEM (iaem.org) and The international Emergency Management Society TIEMS (tiems.org; tiems.info) are conducting international certifications in emergency management.

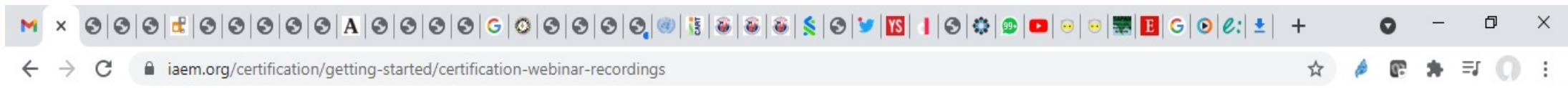


International Association of Emergency Managers (IAEM)

- IAEM began in 1952 as the U.S. Civil Defense Council. It became the National Coordinating Council of Emergency Managers (NCCEM) in 1985, and the International Association of Emergency Managers (IAEM) in 1997.
- IAEM established an International Development Committee (IDC) in 1999, followed by IAEM Canada, IAEM Europa, IAEM Oceania, IAEM Asia, IAEM Italy.
- IAEM launched courses like Principles of Emergency Management and Certificate programmes like Certified Emergency Managers (CEM) and Associate Emergency Managers (AEM).
- IAEM has certified 3092 AEMs and CEMS as reported on the organisation's web site iaem.org
- Certification Application Fees has been revised to \$415 for members and \$625 for non-members. Recertification Fees has been revised to \$265 for members and \$345 for non-members.



International Association of Emergency Managers (IAEM)



ABOUT ▾ CERTIFICATION ▾ EVENTS ▾ GROUPS ▾ RESOURCES ▾ JOBS MEMBERS ▾ NEWS ▾ DASHBOARD JOIN ▾

- Certification Intro
- Certification Code of Ethics +
- Getting Started -**
- > Certification Webinar Series -
- > Certification Webinar Recordings: 2021
- > Find A Mentor
- > Prep Course & Exam Dates
- Application Process +
- Certification News

Webinar #1 - Introduction to the Certification Webinar Series: Introduction & Essay

2021 IAEM Certification Webinar: Intro...

FOR THE LOVE OF NUMBERS

- 1,993 current CEMs
- 241 current AEMs
 - In 22 countries/territories
 - CEMs (Australia, Barbados, British Virgin Islands, Canada, Chile, China, Germany, Greece, Iceland, Japan, Korea, New Zealand, Nigeria, Peru, Qatar, Switzerland, Taiwan, UAE, United Kingdom, USA,)
 - AEMs (Canada, Netherlands, New Zealand, Qatar, Taiwan, Trinidad and Tobago, USA, British Virgin Islands)

Council or Ad Hoc Region	CEM*	AEM*
USA Council	1,858	223
Canada Council	87	10
Oceania Council	22	1
Europa Ad Hoc Region	7	1
Asia Ad Hoc Region	6	1
Latin America Ad Hoc Region	5	4
International Ad Hoc Region	4	0
Middle East Ad Hoc Region	3	1
Japan Ad Hoc Region	1	0

5:49 / 1:01:14

Webinar #2 - Training, Letters of Reference, Exam, and Certification Fees

2021 Certification Webinar: Training, Le...

CERTIFICATION



The International Emergency Management Society (TIEMS)

- TIEMS was established in Washington, USA in 1993 as a global forum for education, training and certification in emergency and disaster management.
- TIEMS organises international conferences, workshops and exhibitions; undertakes research and technology development projects; convenes task force groups of experts from TIEMS international group of experts, and hosts the TIEMS academy providing international education, training and certification programs.
- TIEMS has chapters in BeNeLux (Belgium, Netherlands and Luxemburg), China, Finland, France, India, Iraq, Italy, Japan, Korea, Middle East and North Africa (MENA), Nigeria and West Africa (NWA), Philippines, Romania, South Africa, USA and Ukraine. The establishment of a Chapter in Australia is in progress.
- TIEMS conducts two programmes for International Certifications in Emergency Management: TQC for qualified emergency management professionals and TQAC for those aspiring to work in the field of emergency management.



TQC and TQAC Certification Process



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 management and disaster response



TQC Certification Prerequisites

- Presentation



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!

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

Participation -

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.

Contribution - one or more of the following

- i. At least 5 publications or speaking engagements in emergency/disaster management
- ii. Participation as leader or board member of an organization that participates in emergency/disaster management
- iii. Teaching emergency/disaster management

Competence -

The candidate is required to show having competence (experience or education) in seven areas of emergency and disaster management:

- 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 Certification Prerequisites

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



TIEMS Academy and Presnet Courses

TIEMS Academy and Present Courses

TIEMS Academy

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

TIEMS Academy Contains

- TIEMS Educational Material, in form of Programs and Proceedings from TIEMS International Events (1994 – 2020)*
- TIEMS own Developed Courses*
- Courses provided by the TIEMS International Education Network*
- Links Provided to Relevant International Teaching Material for TIEMS International Certification*



Title slide 9

- Presentatio

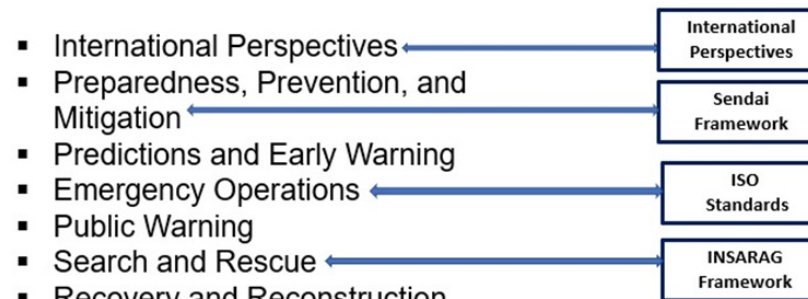
TQC™ & TQAC™ Curriculum & Examination

- ❑ 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.
- ❑ 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)
- ❑ 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.

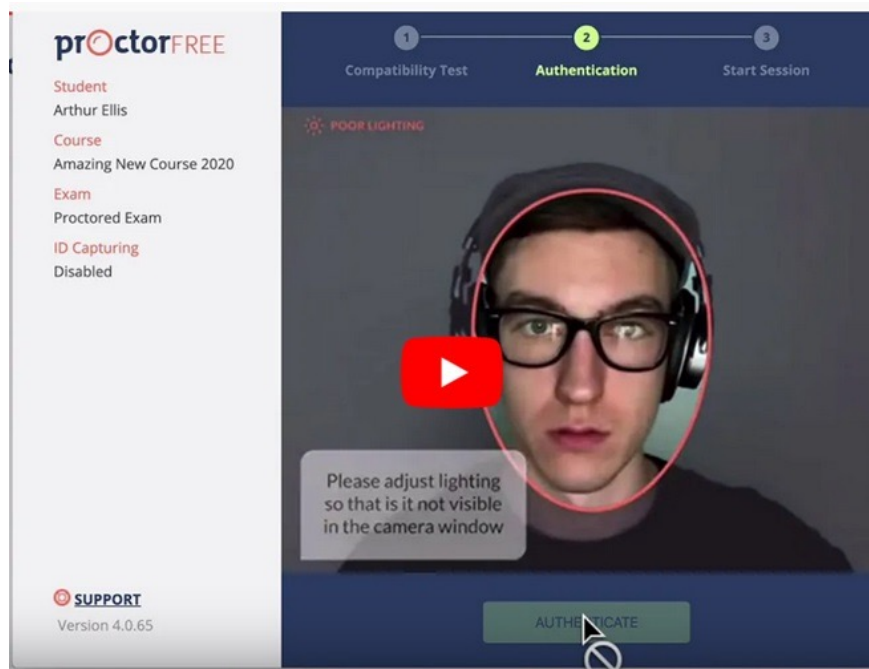
Competence Area Summary Comprises

- International Perspectives
- Preparedness, Prevention, and Mitigation
- Predictions and Early Warning
- Emergency Operations
- Public Warning
- Search and Rescue
- Recovery and Reconstruction

TQC/TQAC Examination Areas



TQC™ & TQAC™ PROCTORING



- In order for the TQC & TQAC candidates to take the TQC & TQAC exam wherever they are worldwide, TIEMS has implemented on-line proctoring of the TQC & TQAC candidates during their examination by using the ProctorFree solution. ProctorFree provides an accurate identification and authentication of the TQC & TQAC exam candidate. For more information about ProctorFree please visit www.proctorfree.com.

TQC Certification



The International Emergency Management Society

www.tiems.org

Rue Des Deux Eglises 39B - 1000 Brussels, Belgium - Reg. no. 0881.936.668

TIEMS International Certification - TQCTM

For Proven Academic and Practical Qualifications in International Emergency and Disaster Management

Awarded

NN (Country)

Sandro Bologna
Sandro Bologna
TIEMS International Program
Committee Chair

K. Harald Dräger
K. Harald Dräger
TIEMS President

Brussels: DD.MM.YEAR
Duration is 3 years before re-certification
TQC Certification No: TQC000000

The certificate features a world map background with the TIEMS logo at the top left and a compass rose with 'T', 'S', 'I', 'M', 'E' in the center. A red circular seal is on the right side.

TIEMS TQC Charter Members



TQC Charter Members

<p>Desiree Beekharry</p>  <p>Australia</p> <p>TQC Diploma</p>	<p>Larry A. Porter</p>  <p>USA</p> <p>TQC Diploma</p>	<p>Gbenga Morenikeji</p>  <p>Nigeria</p> <p>TQC Diploma</p>	<p>Nothemba M. Mhlaba</p>  <p>South Africa</p> <p>TQC Diploma</p>
<p>Naill Al Momani</p>  <p>Jordan/Dubai</p> <p>TQC Diploma</p>	<p>Russell Dippy</p>  <p>Australia</p> <p>TQC Diploma</p>	<p>Li Li</p>  <p>China</p> <p>TQC Diploma</p>	<p>Vinod Menon</p>  <p>India</p> <p>TQC Diploma</p>

References

- ▶ Paul Harvey, Abby Stoddard, Adele Harmer, and Glyn Taylor, “The State of the Humanitarian System: Assessing Performance and Progress”, ALNAP, London, 2010, p. 18, available at: <http://www.odi.org.uk/resources/docs/5825.pdf>
- ▶ Abby Stoddard, Adele Harmer, and Victoria DiDomenico, “Providing Aid in Insecure Environments: 2009 Update. Trends in Violence Against Aid Workers and the Operational Response: Why Violent Attacks on Aid Workers Are on the Increase”, Humanitarian Policy Group (HPG) Policy Brief No. 34, Overseas Development Institute (ODI), London, April 2009
- ▶ Peter Walker et al.: “A blueprint for professionalizing humanitarian assistance: good intentions are not enough”, Health Affairs, Vol. 29, No. 12, December 2010, pp. 2223–2230.
- ▶ Peter Walker and Catherine Russ: “Fit for purpose: the role of modern professionalism in evolving the humanitarian endeavour”, International Review of the Red Cross, Volume 93, Number 884, December 2011

