INTRODUCTION TO THE CERT RESILIENCE MANAGEMENT MODEL

MONDAY 25 - WEDNESDAY 27 JUNE 2012

SOFTWARE ENGINEERING INSTITUTE

The Carnegie Mellon Software Engineering Institute (SEI), based in Pittsburgh in the United States, works closely with defence and government organisations, industry, and academia to continually improve software intensive systems. The SEI’s core purpose is to help organisations improve their software engineering capabilities and develop or acquire the right software, defect-free, within budget and on time, every time. In 2011, the SEI launched their Asia-Pacific operations in Adelaide at Carnegie Mellon University – Australia to offer their advanced courses and certifications to the Australian market.

For more information on the Software Engineering Institute, visit www.cmu.edu.au/sei

ABOUT THE COURSE

This three-day course introduces a model-based process improvement approach to managing operational resilience using the CERT® Resilience Management Model (CERT-RMM) v1.1.

CERT-RMM is a maturity model that promotes the convergence of security, business continuity, and IT operations activities to help organisations actively direct, control, and manage operational resilience and risk. By improving operational resilience processes (such as vulnerability analysis, incident management, and service continuity), an organisation can use the model to improve and sustain the resilience of mission-critical assets and services. Because organisations can’t plan for every disruption, the maturity model feature of CERT-RMM can be used to measure and improve the consistency and predictability of performance under times of stress. As a process improvement model, CERT-RMM also can be used by organisations to chart a structured improvement path by setting improvement targets, measuring current capabilities, and developing improvement plans - all focused on making mission-critical assets and services more resilient. CERT-RMM is designed to make more efficient and effective use of domain-specific practices that an organisation already uses today rather than replace them.

The course is composed of lectures and class exercises with ample opportunity for participant questions and discussions. After attending the course, participants will understand the fundamental concepts of operational resilience and operational resilience management, have a working knowledge of CERT-RMM process areas, and be able to begin process improvement efforts in their organisation. Using CERT-RMM as a guide, participants will also be able to evaluate their current security, business continuity, and IT operations practices and make effective decisions about which practices are working and which need to be replaced.

WHO SHOULD ATTEND?

• Security and business continuity professionals
• Process improvement professionals, particularly those looking to extend process improvement approaches into the operations phase of the lifecycle
• Enterprise and operational risk management professionals
• Anyone interested in applying a maturity model approach to managing operational resilience

TOPICS

• Introduction to operational risk, resilience, and resilience management
• Introduction to model-based process improvement
• Overview of CERT-RMM model components
• High-level review of the CERT-RMM process areas
• Adopting, initiating, and sponsoring a process improvement approach
OBJECTIVES

Successful completion of this course will enable participants to:
• Understand the challenges of managing operational resilience
• Have a working knowledge of key operational resilience, operational risk, and resilience management concepts and their relationships
• Understand the CERT-RMM model structure and how to use it
• Apply a process improvement and maturity model approach to managing operational resilience
• Have a working knowledge of the 26 CERT-RMM process areas
• Understand how CERT-RMM is used to appraise an organisation's capability for managing operational resilience
• Begin planning for a process improvement effort in their organisation

VENUE

Carnegie Mellon University - Australia
220 Victoria Square (Torrens Building)
Adelaide

COST

Tuition AUD $3,960 incl. GST
AUD $2,970 incl. GST for government employees

Cancellation fee of AUD $500 will apply 10 days prior to course commencement. Name changes permitted if you are unavailable to attend.

REGISTER TODAY

T  +61 (0) 8 8110 9910
E  admissions@cmu.edu.au
F  +61 (0) 8 8211 9444
W  www.cmu.edu.au/sei

MATERIALS

Participants will receive a course notebook containing the course materials, course slides, various supplementary handouts and exercises. Participants will also receive a copy of Addison-Wesley publication CERT® Resilience Management Model, which contains V1.1 of the model as well as additional supporting material and a CD containing the latest version of the CERT-RMM Code of Practice Crosswalk and PDF copies of the course slides and exercises.

PROGRAM SCHEDULE

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<tr>
<th>Date</th>
<th>Time</th>
<th>Description</th>
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<tbody>
<tr>
<td>Monday 25 June</td>
<td>9:00am – 5:00pm</td>
<td>Course commences (meals &amp; refreshments included)</td>
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<tr>
<td>Tuesday 26 June</td>
<td>9:00am – 5:00pm</td>
<td>Course continues (meals &amp; refreshments included)</td>
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<tr>
<td>Wednesday 27 June</td>
<td>9:00am – 5:00pm</td>
<td>Course concludes (meals &amp; refreshments included)</td>
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REGISTRATION FORM

SURNAME

FIRST NAME

TITLE

EMAIL

ORGANISATION

DATE OF BIRTH

ORGANISATION ADDRESS

POSTAL ADDRESS FOR INVOICE

PHONE

FAX

MOBILE

PLEASE LET US KNOW IF YOU HAVE ANY SPECIAL REQUIREMENTS INCLUDING: DIETARY, MOBILITY ACCESS OR OTHER.

☑ PLEASE CHECK IF YOU DO NOT WANT YOUR NAME AND CONTACT INFORMATION TO APPEAR ON THE CLASS PARTICIPATION LIST.

WE WILL PROVIDE YOU WITH A TAX INVOICE AND PAYMENT DETAILS UPON RECEIPT OF YOUR REGISTRATION FORM

QUESTIONS ABOUT THE PROGRAM

Anna Cosentino
Chief Operating Officer
T +61 8 8110 9905
M 0438 468 142
E acosenti@cmu.edu.au
W www.cmu.edu.au/sei

CARNEGIE MELLON UNIVERSITY – AUSTRALIA

220 Victoria Square
Adelaide, South Australia 5000 Australia

TO REGISTER

Admissions Office
T + 61 (0) 8 8110 9910
E admissions@cmu.edu.au
F + 61 (0) 8 8110 9444
W www.cmu.edu.au/sei

Carnegie Mellon University
Australia