



RIMS-CRMP Study Guide

Certification Programs

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Table of Contents

Introduction	2
Section 1 – Background and Process	3
About the RIMS-CRMP Certification	3
Study Strategies	3
Approaches to Memory and Retention	4
Strategies for Analysis of an Exam Question	4
General Strategies for Taking the Exam	5
Test Preparation Strategies	6
What to Expect at the Testing Center	6
Section 2– Examination Blueprint and Review Components	9
Examination Blueprint	9
Review Components	10
Section 3– Review	11
Analyzing the Organizational Model	11
Designing Organizational Risk Strategies	15
Implementing Risk Process	19
Developing Organizational Risk Competency	22
Supporting Decision Making	24
Appendix A	28
Glossary	31
Top 10 Exam References	33
Practice Questions	33
Answer Key	37

Tables and Figures

Table 1 Domains and Key Duties	9
Figure 2 Graphical Representation of Domains within the Certification Curriculum	10

Introduction

Thank you for your interest in the RIMS Certified Risk Management Professional (RIMS-CRMP) examination administered by RIMS, *the risk management society*®.

In order to qualify for the RIMS-CRMP examination, you must meet the eligibility requirements detailed in the Candidate Handbook, and listed on the RIMS-CRMP website. The Candidate Handbook provides detail on eligibility requirements, examination logistics, recertification requirements, the Code of Ethics and additional policies. The Candidate Handbook is available on the RIMS website at:

www.RIMS.org/links/candidatehandbook

The purpose of this document is to serve as a study guide for anyone who is taking the RIMS-CRMP certification examination. It is not intended to replace any textbook or other resources you need to prepare for the examination, and using this guide does not guarantee that you will pass the examination. The study guide is divided into two sections. The first section deals with the background of the RIMS-CRMP certification and provides guidance on the process of studying, taking the examination, and what to expect at the testing centers.

The second section summarizes five core competencies of a risk professional:

1. Analyzing the Organizational Model
2. Designing Organizational Risk Strategies
3. Implementing Risk Process
4. Developing Organizational Risk Competency, and
5. Supporting Decision Making.

It then reviews each of the core competencies based on five review components:

1. Learning objectives
2. Examples
3. Recommended reading
4. Self-assessment of content areas, and
5. Sample exam questions

The study guide concludes with a glossary of terms and bibliography.

Section 1 – Background and Process

About the RIMS-CRMP Certification

RIMS, the risk management society®, is a global not-for-profit committed to advancing the practice of risk management throughout the world. RIMS brings networking, professional development, certification, and education opportunities to its membership of 10,000 risk management professionals in over 60 countries. Founded in 1950, the Society represents more than 3,500 industrial, service, nonprofit, charitable, and government entities throughout the world.

The RIMS-CRMP certification distinguishes the achievement of validated risk management competencies of an effective risk management professional. The RIMS-CRMP is based on a job task analysis completed by dozens of experienced risk management experts. It has been statistically and psychometrically validated by a global representation of RIMS members. Achieving the RIMS-CRMP credential represents a unique combination of experience, demonstrated knowledge and competency in risk management, and dedication to upholding high standards of ethical and professional conduct. Individuals who earn and retain the RIMS-CRMP certification are required to: attest to the certification requirements through an application, provide supporting documentation, pass a rigorous exam, uphold an established Code of Ethics and meet continuing education requirements in order to maintain the certification. Typically RIMS-CRMPs have expertise in a specific field of risk management and want to differentiate themselves as an acknowledged professional by earning the RIMS-CRMP certification.

RIMS-CRMPs may use the credential to establish credibility within their organizations, among other professionals and with the public. Adding the RIMS-CRMP certification to your professional profile demonstrates that you have achieved a high level of competency through validated expertise, education and experience to successfully manage risk and create value for your organization. Let's get started!

Study Strategies

People review and process information in different ways. Some individuals find memorization easy, while others sort facts into a contextual framework. The RIMS-CRMP examination requires that you know factual data and use the information in decision-making and in problem-solving situations.

Learning styles differ. Some individuals prefer to study alone, while others prefer a study partner or study group. Discussing information with a partner or in a group can help clarify, process and integrate information. Some individuals learn better by hearing information, while others learn better by reading or writing information.

Research methods vary. How do you tackle unfamiliar topics? If you hear about something exciting and want to learn more, how do you go about finding information? Do you read about it, take a class, call an expert and ask for a demonstration, or purchase equipment and teach yourself? Some prefer one method over another. For example, if you chose to ask an expert, then you may prefer a hands-on approach where you can safely experiment (trial and error) and get input and feedback from someone knowledgeable in that area. Others choose a combination of methods. For example, you can attend courses, view webinars that can be repeated, highlight texts or write flash cards that can be reviewed.

Study groups can drive accountability. Whoever leads the group may utilize this study guide and/or additional resources. A group of people can talk through ideas, provide examples and support each other in their learning endeavors.

Formulate a study strategy and schedule sufficient time to prepare. You are the best judge of your study preferences, so use what works best for you.

Approaches to Memory and Retention

This section outlines some tips for memorization and retention. While the RIMS-CRMP examination is not based on “rote-learning” and memorization, using these types of techniques can prove effective to remember and recall pertinent concepts and facts. These techniques may help in preparing for this exam, as well as help you for other learning purposes.

Memorization and recall is a key component of studying. While you may already possess the practical knowledge, recalling it during a time of stress may prove challenging.

One key strategy to recalling information is to self-test. As you compile and address content areas from the exam, a theory called “the testing effect” shows that learning is enhanced by the act of recalling information after exposure¹. This simply means that by reading information, recalling and reviewing as much as possible (self-test) and then re-reading the information, retention was found to be greater than just reading and taking notes.

Other techniques associated with recalling information are:

- 1. Get organized.** Organize notes according to domain and content area. Find a quiet, uncluttered space in which to study. If you are studying in a group, make sure the group space is free from distractions from outside noise, chatter and clutter.
- 2. Make it meaningful.** Create mnemonic devices to help recall formal names of concepts. Various types of devices include rhyming (I before E except after C...), names (ROY G BIV = colors of the rainbow), or notecards. It’s also best, when possible, to relate a concept to a personal experience. If personal experience is attached, the concept holds more meaning therefore it may be recalled more readily.
- 3. Don’t cram.** Spread studying out over several days or weeks. Study in chunks of time. Do not spend three, four, or five consecutive hours studying. Take frequent breaks (every 20-25 minutes) to refresh and recuperate.
- 4. Take notes and create flashcards.** While most people have a laptop at their disposal, research shows that taking notes by hand is better than taking notes on a laptop for remembering conceptual information over the long term². The old-fashioned method of taking notes by hand forces you to synthesize information in ways that typing doesn’t.
- 5. Get enough sleep.** The right amount of sleep aids in better performance, mental agility and wards off stress. The brain converts facts from short-term memory into long-term memory while sleeping.

Strategies for Analysis of an Exam Question

All questions on the RIMS-CRMP examination are in the four-choice multiple-choice item type format. This item format consists of a stem, which is in the form of a question or incomplete statement, and four response options. Only one of the response options correctly answers the stem (the key); the other three options are incorrect (the distractors). When responding to the questions on the RIMS-CRMP examination; you select ONLY one of the response options.

The questions on the RIMS-CRMP examination may vary in complexity. Some questions ask you to recall information (such as, “What is X?”) and some questions require you to apply knowledge in order to select the most appropriate response or action given the situation in the stem. When responding to each question, you should always select the BEST option. You should also pay close attention to the words in the stem, to determine what the question is truly asking, as the question may be asking what MUST be done or what is MOST commonly done vs. what CAN be done.

¹ Dobson, John L., and Tracy Linderholm. “Self-testing Promotes Superior Retention of Anatomy and Physiology Information.” *Advances in Health Sciences Education* 20.1 (2014): 149-61.

² Mueller, P. A., and D. M. Oppenheimer. “The Pen Is Mightier Than the Keyboard: Advantages of Longhand Over Laptop Note Taking.” *Psychological Science* 25.6 (2014): 1159-168.

Each question on the exam is written so that all four answers are plausible. If this was not the case, and the incorrect answers were implausible, then your knowledge would not be effectively measured. The exam does not use “trick” questions. Instead you must either know the data or be able to effectively apply the data in a decision-making process to choose the BEST answer.

All questions and answers are referenced to a recognized and accepted textbook or resource. Each question has been reviewed by a number of experienced professionals in the field who agree on the correct answer. In addition, a substantial amount of empirical data has been collected on each question to assure that it performs appropriately and effectively. The four answers presented may not agree with your individual interpretation of the material. Regardless, it will be necessary to choose one of the four answers provided as the best answer.

Being familiar with how test items are constructed may help when analyzing a question or choosing a correct answer if stuck. More information about how multiple choice items are developed can be found here:

<https://cft.vanderbilt.edu/guides-sub-pages/writing-good-multiple-choice-test-questions/>

General Strategies for Taking the Exam

Prior to the exam:

Prepare for the multiple-choice exam by employing a variety of test-taking strategies. These strategies do not guarantee passing the exam, but they will give insight as to how you can interpret questions and evaluate information:

Test strategies:

- Read the directions carefully.
- Know how much time is allowed. Time limits govern strategy.
- If time allows, review both questions and answers. It is possible to misread questions the first time.

Answering options:

Improve your odds by thinking critically. Cover the options, read the stem, formulate an answer, and select the option that most closely matches your answer. Strategies for answering difficult questions include:

1. Eliminate options you know to be least incorrect.
2. Give each option of a question the “true-false test.” This may reduce your selection to the best answer.
3. “Eliminate look alike options.” Choose the best answer but disregard choices that mean basically the same thing, and thus cancel each other out.
4. Compare alternatives for differences. If two alternatives seem correct, compare them for differences, then refer to the stem to find your BEST answer.

Remember that you are looking for the best answer not only a correct one, and not one that must be true all of the time, in all cases, and without exception.

Test Preparation Strategies

References provided throughout the review section do not constitute a required reading list. The important topics that you should study to successfully prepare for the examination are listed in the examination blueprint of core competencies found elsewhere in this guide. You are strongly encouraged to carefully review the examination blueprint to identify topic areas that may require extra review and study.

Moreover, learning objectives and examples provided in this guide have been developed independently of the examination questions. Rather than representing an exhaustive list of learning objectives or examples, their use is meant to create a starting point for you to think about the concepts in a way that not only helps you retain information to take a test but also to understand the competency areas you want to focus on.

As you prepare for the RIMS-CRMP certification examination, use the examination blueprint to build your study plan. The blueprint contains the major competency areas on the exam, and the percentage of the exam each competency area represents. You can decide what you want to read and study based on your current experience and knowledge about risk management to determine how much preparation is required for each topic area of the examination.

Ask yourself these questions:

- Which competency areas represent the greatest number of test questions? The greater the number of possible questions on the exam, the more focus you may need on these topics to prepare.
- How much time do I need to focus on these areas to prepare for the exam versus other areas? For example, if there is only one question on a specific item, it would not make sense to spend 50% of study time on that topic.
- How do my current knowledge and skills compare to the competency areas of the exam? Am I strong in some, but weak on others? Making this assessment will help budget study time.
- How much training or work have I done in the areas on the exam? Extensive training and/or experience in a specific area will lower the priority of studying them further.

Analysis of the examination blueprint and your answers to the questions above will help determine where you need to spend study time. When your preparation is complete, and after receiving confirmation that your application for the RIMS-CRMP was approved, you should schedule an appointment at an approved testing center to take the examination.

What to Expect on Exam Day

Preparing for the day of the in-person exam:

- Find the test location before test day. Allow for extra time for unforeseen events such as traffic.
- If you have considerable distance to travel, consider arriving the day before.
- Get a good night's rest.
- Eat a well-balanced meal prior to reporting to the exam site. Avoid excessive stimulants such as caffeine.
- Plan to arrive at the exam site at least 30 minutes prior to your appointment to allow plenty of time for registration and processing.

Preparing for the day of the OnVUE online proctored exam:

- Get a good night's rest.
- Eat a well-balanced meal and avoid excessive stimulants such as caffeine.
- Check in 30 minutes in advance.
- Conduct a systems check to make sure your computer is ready.
- Clear your work area of notes and study materials.

What you will need to bring:

Authorized candidates who are taking the RIMS-CRMP examination at a Pearson VUE testing center or via OnVUE online proctoring will be required to provide one form of valid identification (ID). ID must contain a photo and signature. The first and last name used to register must match exactly the first and last name on the ID that is presented on test day.

Acceptable Forms of ID

- International Travel Passport
- Driver's license
- Military ID (including spouse & dependents)
- Identification card (national/state/province identity card)
- Alien registration card (green card, permanent resident, visa)
- Local language ID (not in Roman characters) – accepted only if issued from the country the candidate is testing in

* The ID must contain a photo and signature unless the signature is embedded in the identification. When this occurs, the candidate must present another form of signature identification from the list, e.g., a passport AND a government-issued driver's license OR state/national identification card with photo and valid signature AND signed credit card.

Please check the Pearson VUE website when scheduling an appointment to determine if there are additional instructions regarding identification requirements at the chosen test center. If you have any questions about the ID you are required to bring with you to the testing center for admittance for your exam, please contact Pearson VUE customer service at www.pearsonvue.com/contact.

During the exam:

The Test Administrator or online proctor will keep the official time and ensure everyone is given the allotted time of two hours for the examination. If anyone leaves the room, for example, to take a restroom break, the examination time will not stop. Restroom breaks are not permitted for online proctored exams. Proctors will monitor the exam.

- Read and follow the instructions carefully. Ask the proctor for clarification if you are not sure about the instructions. Remember, the proctors cannot and will not answer questions related to exam content.
- Periodically check your progress. This will allow time for you to make adjustments.
- You may go back to review any items, so mark questions you wish to review if time permits.
- Pay attention to reminders of the time you have left to finish the exam.

If you have questions or concerns about a test item during the examination, you may leave a comment by clicking the "comment" button on the computer screen or by chat for online proctored exams.

Rules at the test center and online proctored exams:

No one is permitted to leave the examination area to go to a car, to speak to anyone, or to make personal calls. The Test Administrator may dismiss an individual from the examination for any of the following reasons:

- If admission to the examination is unauthorized.
- If the individual creates a disturbance or gives or receives help.
- If the individual attempts to remove examination materials or notes from the testing room.
- If the individual attempts to take the examination for someone else.
- If the individual has in his or her possession any prohibited item.
- If the individual exhibits behavior consistent with memorization or copying of examination items.

Additional rules for online proctored exams:

- The testing area should be in a walled room with a closed door.
- Individuals other than the candidate may not see the computer screen that presents the examination questions.
- If another person enters the room during testing, the exam will be terminated.
- Candidates are not permitted to leave the room during testing. Breaks are not allowed during testing for any reason. If the candidate leaves the room, the proctor will end the session and the candidate will be unable to continue testing.
- Water in a clear glass is allowed during testing; however, eating, smoking, and chewing gum are prohibited.

All examination questions are copyrighted property of RIMS. It is forbidden under applicable copyright laws to copy, reproduce, record, distribute, display or share these examination questions by any means, in whole or in part. Doing so may subject you to severe civil and criminal penalties and actions by the RIMS organization.

If the exam is computer-based, results (pass/fail by domain) may be provided to you before you leave the test center. Otherwise, you will be notified post-exam. Timing of notifications may vary.

To view a short video of test-taker tips and what to expect for both the test center experience and OnVUE online proctoring, please visit: <https://www.pearsonvue.com/us/en/test-takers/resources.html>

Section 2 – Examination Blueprint and Review Components

Summary of Examination Blueprint

Table 1 depicts the five domains—also referred to as core competency areas—and some of the key duties and tasks associated with each domain. The columns on the right side of the table show the percentage weight each domain has within the overall exam, and each task within each domain have based on the number of potential exam questions. The weighting will help you prioritize study time and identify opportunities for personal improvement. For example, the domain of “implementing risk process” represents slightly under a third of the exam, and its six duties and tasks are almost equally weighted.

Exam Transition Notice

The current RIMS-CRMP examination will remain available through January 3, 2027. The updated exam, which includes new task Manage Decision-Support Tools (E.3), will launch January 4, 2027. Candidates are encouraged to plan their testing timeline accordingly.

Table 1 Domains and Key Duties

Duties and Tasks	Final
A. Analyzing the Organizational Model	15%
A.1 Obtain internal organization information	
A.2 Obtain external information about organization	
A.3 Conduct internal analyses on the organization	
A.4 Assess organizational resilience	
B. Designing Organizational Risk Strategies	30%
B.1 Determine risk appetite and tolerance	
B.2 Develop risk strategy approach	
B.3 Define organizational risk competency and capabilities	
B.4 Design risk management framework	
B.5 Obtain organizational support for risk strategy	
B.6 Design implementation plan	
B.7 Develop risk communication plan	
C. Implementing Risk Process	30%
C.1 Identify scope, context, and criteria	
C.2 Identify risks and opportunities	
C.3 Analyze identified risk	
C.4 Evaluate risk	
C.5 Collaborate with stakeholders to identify risk solution options	
C.6 Monitor organizational risk	
D. Developing Organizational Risk Competency	10%
D.1 Engage organization’s risk network	
D.2 Deliver risk training	
D.3 Coach organization on the risk process and techniques	
D.4 Continuously improve risk management process	
D.5 Integrate risk management into day-to-day operations	
E. Supporting Decision Making	15%
E.1 Influence risk-based decision making	
E.2 Advise on risk and resilience decisions	
E.3 Manage decision-support tools	
Total	100%

For example, you could say that you

“Analyze the organizational model” so that you can

“Design organizational risk strategies” so that you can

“Implement risk process” so that you can

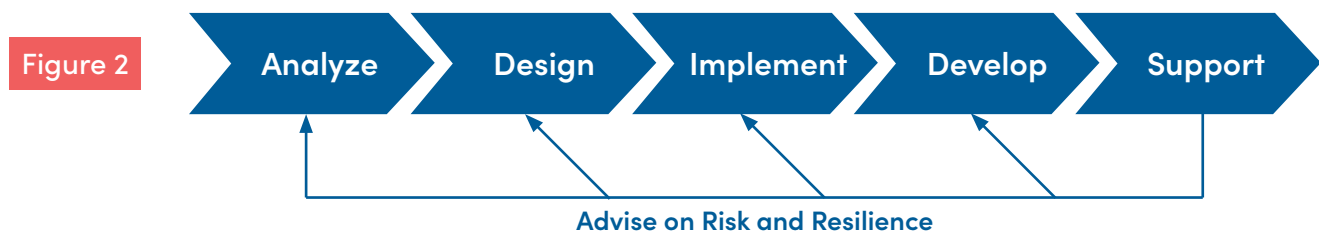
“Develop organizational risk competency” so that you can also

“Support decision making” throughout the organization.

In reality, competencies in one domain reinforce competencies in each of the other domains. For example, the competencies within the decision-making domain strengthen the first domain of competencies regarding (on-going) analysis of the business model. In fact, in a dynamic business context, changes in the decision making domain could result in competency refinements within any or all of the other domains.

Figure 2 is a graphical representation of domains within the RIMS-CRMP competencies reinforcement loop. Keep in mind that the domains do not represent a standard, nor do they represent a risk management framework, per se. Their primary purpose is to communicate the core competencies associated with effective risk management as psychometrically validated through the RIMS-CRMP development process.

Graphical Representation of Core Competencies of the RIMS-CRMP Certification



Review Components

Detail on each domain is broken down into five areas in order to aid the studying process.

1. Learning objectives provide more detail around the tasks identified in the exam blueprint.
2. The examples section provides more detail in the form of definitions and examples.
3. The recommended reading section provides useful recommendations on books, articles, white papers, and other material that will help you learn concepts more thoroughly and find more examples.
4. The self-assessment offers you an important opportunity to self-rate your competency in each domain area generally and each competency more specifically. Appendix A contains a sample that can be used to track your progress over time, as well as a self-assessment worksheet.
5. The sample exam questions are actual questions from the test bank utilized for certification and give a real-life look at how questions are worded and show the source that supports the answer to the question.

Section 3 – Review

Domain A: Analyzing the Organizational Model

The first domain in the RIMS-CRMP core competency model addresses analysis of the organizational model. The analysis identifies the value proposition of the organization and the reasons customers buy a product or a service, and in the case of non-profits why donors give money, time, and ideas. Investigating the purpose of an organization answers important questions about the products or services the organization will deliver; its customers, target markets, and anticipated expenses and risks to delivering products and services. The first domain provides a solid foundation for the remaining domains because scrutinizing expenses and risk is not just about ensuring the organization will be a going concern but identifies how the organization should be resilient and focus on long-term stability in pursuit of its objectives.

Learning Objectives

In order to successfully complete this portion of the examination, you should be able to answer questions related to:

1. Obtaining internal and external information that explain the purpose of the organization and the environment within which it operates,
2. Analyzing operations by validating and comparing actual operations with the intended business model and strategy, and
3. Assessing organizational resilience.

Task Details

Obtain Internal Organization Information

To study how an organization functions, a risk professional must obtain reliable and valid information from internal and external sources. Two valuable sources of internal information come from documents and stakeholder interviews. Reports and documents organized by department or business unit are a good starting point to learn about organizational structure, process, and performance. Examples include reports from finance, operations, human resources, legal, and internal audit. Meeting with internal stakeholders and making site visits, if applicable, provides additional detail not captured in formal reports.

Obtain External Organization Information

External sources of information come from market analyses, regulation, and industry specific publications that interpret the effects of macro-economic forces that influence the strategic direction of the organization. As with internal sources of information, interviews with key external stakeholders and third-party site visits, if applicable, will provide valuable information for analysis. One of the more important outcomes of data collection from external sources of information is that which supports benchmarking analysis.

A successful risk management professional will be able to use not only his or her business acumen to find valuable documents but also utilize communication and research skills to collect information and apply lateral thinking to identify less obvious sources of information that will result in better analytical and risk strategy design outcomes.

Conduct Internal Analyses on the Organization

Once information of sufficient quality and quantity has been collected by the risk professional, the next step is to identify connections, whether strong or weak, between organizational objectives and risk philosophy. Prior to any meaningful analysis, information needs to be consolidated and organized. The risk professional collects and reads or listens to various reports to organize, synthesize, and prioritize information based on relevance to organizational objectives and their corresponding strengths and weaknesses. For example, in a heavily regulated industry, a risk management professional likely would pay close attention to material that focuses on risk associated with regulatory requirements and compliance.

Analyzing operations is like an internal due diligence process. A risk management professional utilizes active listening, interviewing, and communication skills to validate the organizational model. Specifically, information and behavior are compared to organizational culture, and alignment or potential disconnects are documented. Identifying how behaviors are rewarded can help align risk-taking decisions (e.g., sales force) with those bearing the risk (e.g., operations). Validation

also extends to a comparison of information and behavior as they relate to organizational strategy and the organization's attitudes toward uncertainties. For example, over-managed risks may come to light that initially may seem like a poor use of resources. However, after learning that the organization's tolerance for the risk is extremely low because it could destroy the value of the entire organization if managed incorrectly, the perceived "over-management" is deemed acceptable given the context of the organization's appetite and tolerance for risk.

Understanding an organization's value chains is an important outcome from analyzing the organizational model because they are inextricably linked to competitive advantage. A value chain is "a general framework for thinking strategically about the activities involved in any business and assessing their relative cost and role in differentiation. The difference between value, that is, what buyers are willing to pay for a product or a service, and the cost of performing the activities in creating it, determines profits."³ Competitive pressure and the requirement to generate profit apply to any organization that intends to maintain its long-term viability and resilience. For example, a local non-profit organization that provides educational and support services to developmentally disabled children will have a different value chain than a multinational for-profit company that mines and sells minerals. Regardless, understanding an organization's value chain includes identification of:

- Series of business processes and steps that follow each other in succession intended to result in value creation for the organization.
- Resources within value chains.
- Key inputs and outputs of value chains.
- Differentiators within an organization compared to peers, and
- Influential macroeconomic factors that impact competitiveness and profitability.

Value chain analysis identifies areas for improvement, and the activities that provide the most value to customers and therefore the organization as a whole. Eliminating inefficient activities speeds up production, deliveries, improves competitive advantage, and increases the positive difference between revenues and expenses. Revenues are defined as revenues in for-profit organizations, donations in nonprofit organizations, and funding in governmental agencies. The difference between revenues and expenses is referred to as profit margin in for-profit entities, sustainability in nonprofits, and surplus in governmental agencies.

By identifying the activities and processes that create and sustain value for an organization, a risk professional is well positioned to develop risk strategies to minimize loss and maximize gain.

Another fundamental competency is the ability to benchmark an organization against competitors. Benchmarking involves measuring the performance of an organization against external standards of reference that frequently come from similar organizations doing similar things. A risk management professional utilizes research skills to identify peers and common practices. Often, this involves an analysis of the industry sector and relevant market segments. One's own organization may be ranked against peers based on deviations from value, either positive or negative. Frequently, external analysts research and compare risk factors noted in competitors' financial reports as well as those of industry partners in order to support investment decisions. When performed against external competitors or industry standards, benchmarking identifies strengths and weaknesses of the organization as well as areas where risk management can contribute to maximizing strengths and minimizing weaknesses. Combined with value chain analysis, benchmarking sets the stage for assessing organizational resilience.

Assess Organizational Resilience

There are two dimensions to organizational resilience. First is the traditional approach to hazard-based risk management such as business continuity planning, disaster preparedness, and crisis response. Second is the strategic approach of adaptation to chronic stresses and adapting to emerging forces in order to remain viable. ISO defines resilience as "the ability of an organization to absorb and adapt in a changing environment to enable it to deliver its objectives and to survive and prosper."⁴ There is also a distinction in the literature between planned resilience and adaptive resilience where the former is based on historical events that can be predicted with varying degrees of accuracy and the latter is based on emerging events and trends that are less predictable.⁵ Strategic risk management is a business discipline that drives deliberation and action regarding uncertainties and untapped opportunities that affect an organization's strategy and strategy execution. SRM offers an elegant approach to combining enterprise risk management with forward looking strategic methodologies to support the assessment of organizational resilience and identification of organizational uncertainties.

Assessing resilience begins with a comparison of existing capabilities and characteristics to those that are required, and then identifies shortcomings that need to be addressed. In the planned resilience space, mature business continuity programs utilize at least three methods that support resiliency gap analysis: business impact analyses, threat and risk analysis, and scenario planning. For example, the Threat and Hazard Identification and Risk Assessment methodology recommended by the United States Federal Government identifies capability targets, estimated current capabilities, and calculates gaps that may or may not be filled depending on risk tolerance, funding, and resource allocation constraints.⁶

In the adaptive resilience space, mature strategic risk management programs blend reactive traditional risk methodologies with forward looking strategic risk methodologies. Strengths, weaknesses, opportunities, and threats (SWOT) analysis is a methodology that represents a combination of planned and adaptive resilience. Identification of internal weaknesses and external threats support planned resilience. Identification of internal strengths and external opportunities supports adaptive resilience. The approach supports assessing organizational resilience because it offers an efficient way to collect information about both aspects of resilience and is easier to aggregate and share in reports that will later inform risk strategy design and implementation.

Risk professionals bring a valuable skill set to the planning process in an organization by identifying assumptions and bias within the organizational model. An assumption is something that is taken for granted. Sometimes organizational leaders may take for granted the existence of robust risk treatments and mitigations. Other times they may pursue new initiatives without thinking through the risk associated with the endeavor. Accurate assessments of organizational resilience are improved when risk professionals identify situations where risk treatments are lacking, or new risk has been taken on without an understanding of the solutions needed to effectively manage it. For example, when expanding production or sales to new markets and geographies, organizations may take for granted that the risk treatments developed in one area apply to others.

Decision makers are frequently influenced by bias as well. Bias is an unreasoned or preconceived feeling or opinion that influences behavior. Perceptual biases in decision making are difficult to recognize and frequently have a negative influence on outcomes. For example, an organization may feel like it is possible to achieve more than they can do in a certain amount of time. This is known as the planning fallacy. Assessing resilience of an organization is more complete when it incorporates methods to identify, document, and communicate the presence and impact of bias.

An important role of a risk professional is to collaboratively highlight strategic risks during the planning process and challenge the assumptions and logic underlying the cross-functional decisions to enable decision-makers to better plan for uncertainties in achieving the organization's mission, goals, and objectives.

Ultimately, the process of assessing organizational resilience results in the identification of uncertainties that could have the greatest impact—either negatively as obstacles or positively as accelerators—on achieving organizational objectives. Internal weaknesses are ranked based on their seriousness and relative importance to performance, and external threats are ranked based on likelihood and severity of occurrence. Internal strengths are ranked based on quality and relative importance to performance, and external opportunities are ranked based on ease of implementation and expected return. A careful review of key external drivers such as political, economic, social, technological, environmental, and legal drivers (PESTEL analysis) also provides valuable insights regarding uncertainties that could impact strategic direction of the organization.

A risk management professional needs to be assertive and inquisitive as uncertainties are documented and look for key assumptions and possible bias built into the organizational model that may not be explicitly understood. Developing a deep understanding of the organizational model is foundational for designing strategies for managing risk that should align with strategic objectives of the enterprise. Moreover, it should support the identification of specific contributions that risk management process can make to supporting organizational objectives.

After answering some sample questions and doing the self-assessment for the first domain, we will turn our attention to risk strategy design aspects of the RIMS-CRMP curriculum.

³ Porter, M. E. (2008) *Competitive Advantage: Creating and Sustaining Superior Performance*. Simon and Shuster ebook.

⁴ International Organization for Standardization. (2017). *Security and resilience—Organizational resilience—Principles and attributes* (ISO Standard No. 22316:2017).

⁵ Barasa, E., Mbau, R., & Gilson, L. (2018). What Is Resilience and How Can It Be Nurtured? A Systematic Review of Empirical Literature on Organizational Resilience. *International Journal of Health Policy and Management*, 7(6), 491–503. <https://doi.org/10.15171/ijhpm.2018.06>

⁶ United States Department of Homeland Security. (2018) *Threat and Hazard Identification and Risk Assessment (THIRA) and Stakeholder Preparedness Review (SPR) Guide*. <https://www.fema.gov/sites/default/files/2020-04/CPG201Final20180525.pdf>



Sample Exam Questions

1. A business model is a set of assumptions about the _____ .
 - A. financial stability of an organization
 - B. organizational structure of a business
 - C. products and services' past performance
 - D. way an organization creates value

2. What two analytical tools are particularly useful in analyzing the organizational model?
 - A. Key performance indicators and total cost of risk
 - B. Key risk indicators and gap analysis
 - C. Pareto analysis and root cause analysis
 - D. Value chain analysis and benchmarking

3. Risk management professionals conduct supply-chain analyses to identify _____ .
 - A. contingent business interruption coverage
 - B. customer technology needs
 - C. international regulatory requirements
 - D. potential vulnerabilities to the organization

4. Which activity does the risk management professional perform immediately after obtaining internal and external information about the organization?
 - A. analyze the information
 - B. organize the information
 - C. prioritize the information
 - D. report the information

5. Which risk identification and analysis technique should a risk management professional use in order to gather information from multiple departments in a brainstorming session that helps to identify shared risks within an organization?
 - A. checklists
 - B. flowcharts
 - C. workshops
 - D. questionnaires

6. When analyzing an organization's value chain, which of the following would be considered a primary activity?
 - A. technological development
 - B. human resources management
 - C. infrastructure management
 - D. outbound logistics

Self-Assessment of Content Areas

After you read the Analyzing the Organizational Model section and answer the practice questions, please rate your understanding and comfort level with each task from the first domain in Appendix A.

Domain B: Designing Organizational Risk Strategies

The second RIMS-CRMP domain addresses the design of organizational risk strategies based on the business model of the organization. After completing organizational analysis that identifies how the entity generates profit, remains sustainable, or creates surplus, the risk professional turns his or her attention to the risk strategy design characteristics that will best support performance within the organization.

Learning Objectives

In order to successfully complete this portion of the examination, you should be able to answer questions related to:

1. Determining risk appetite and tolerance.
2. Developing risk strategy approaches.
3. Defining organizational risk competency and capabilities.
4. Designing risk management frameworks.
5. Obtaining organizational support for risk strategy.
6. Designing implementation plans.
7. Developing risk communication plans.

Task Detail

Determining Risk Appetite and Tolerance

Appetite means to desire greatly, long for, or seek after something, and tolerance is “the action or practice of enduring or sustaining pain or hardship.”⁷ Before reviewing definitions of risk appetite and tolerance, it is important to remember their metaphorical origins. For example, the RIMS definition of **risk appetite** is the total exposed amount that an organization wishes to undertake on the basis of risk-return trade-offs for one or more desired and expected outcomes; and its definition for **risk tolerance** is the amount of uncertainty an organization is prepared to accept in total or more narrowly within a certain business unit, a particular risk category or for a specific initiative (RIMS 2012). Although other definitions have variations in word choice, the idea of greatly desiring a reward while being intensely cognizant of the potential pain associated with seeking that reward helps establish thematic consistency regardless of the specific definitions utilized. Finally, risk appetite and tolerance exist simultaneously. Therefore, sometimes the terms are utilized to define each other. For example, in 2008 the BS31100 definition for risk appetite was “the amount and type of risk than an organization is prepared to seek, accept or *tolerate*” (emphasis added). Keeping these basic ideas in mind while beginning the design phase of risk management strategies will help maintain a coherent approach.

Clearly and accurately determining ownership of risk appetite and tolerance is important when designing organizational risk strategies because it helps create the aggregated risk philosophy of the organization. Risk taking is done by individuals at every level within an organization, and depending on the individual’s position, risk appetite and tolerance may vary significantly. Think, for example, about the difference between highest level executive within an organization and the individual responsible for accounting, typically a controller. The former almost always has a higher risk appetite than the latter, and a more strategic mindset.

Clear ownership also supports validation of risk philosophy and the risk-taking culture of the organization. After careful scrutiny, the organization may determine that it is able to take on more risk in pursuit of objectives. Alternatively, an organization may choose to take on less risk as it identifies conflicts between those who are hungry for rewards but have little or no connection to the pain associated with the pursuit of those rewards. At the design stage, the emphasis is on defining risk taking culture in order to select and design a strategy that best fits the organization’s overall mindset about risk.

Preliminary work done in the first domain of consolidating organizational information based on categories of risk naturally extends to the definition of parameters around risk taking behavior. As mentioned above, individuals take specific decisions about risk. As those decisions are aggregated by department or division, and ultimately aggregated at a portfolio level, determining categories and taxonomies of risk and opportunity will help build a coherent risk strategy approach.

⁷ Murray, J. A. H. (1971). The Compact Edition of the Oxford English Dictionary (2 Volume Set) (18th Printing). Oxford University Press.

Determining risk appetite and tolerance also addresses the definition of metrics around risk taking behavior. For example, for a hazard-based risks, a common method for expressing risk appetite is to set a boundary on a probability and impact grid. These boundaries have direct implications on the purchase of insurance and determination of deductibles. For strategic-based initiatives, tolerance for loss can be based on capital measures and balance sheet expressions. For example, before proceeding with a strategic initiative, the organization may set a decision rule to only proceed if the probability of loss is not expected to exceed a certain percentage threshold.

The final aspect of determining risk appetite and tolerance that has a strong bearing on the remainder of the design phase is clear communication and understanding of risk philosophy. Internally, clear risk appetite and tolerance statements are the most critical inputs into the methodology of assessing risk and developing solutions to manage risk. Externally, well-articulated risk philosophy statements provide stakeholders peace of mind in knowing the organization has made good faith efforts to maintain its profitability and stability.

Developing Risk Strategy Approaches

Based on the organizational model and risk management needs, a risk management professional uses collective research to design a fit-for-purpose risk management strategy. The focus is on selecting risk management approaches that are most appropriate for the organization and its purpose, governance, strategy, objectives, operations, and decision-making style. Two of the most commonly used risk management guidance documents are the ISO 31000 international standard and the COSO ERM Framework. Risk management professionals should be familiar with both documents to determine how their guidance might be used in developing a customized risk strategy approach. Risk procedures and objectives may differ within an organization depending on its risk profile and risk attitude. When considering various risk strategy options, successful approaches generally are culturally appropriate and based on the needs of the organization. For example, highly regulated organizations with a deep foundation in analysis of quantitative metrics for decision-making will likely prefer statistical approaches for risk assessment and prioritization.

Developing tactics for integrating risk management techniques into organizational reporting and budgeting processes offers an important opportunity to seamlessly align risk management goals and objectives with those of the organization. Key enterprise planning functions, such as compliance, strategy, operations, internal audit, privacy and security, financial reporting, and risk disclosure represent integration opportunities. Determining risk management desired outcomes in light of the business needs generally reveals resource requirements and where internal support is needed. The reconciliation process at times results in risk strategies changing to accommodate the application of limited resources to desired outcomes. Aligning the selected risk strategy option with the organization's goals and objectives—at times, by answering “what outcome do we want to achieve?”—clarifies the value of the option when building a business case.

Defining Organizational Risk Competency and Capabilities

Once a risk strategy has been developed, a key consideration is whether an organization has the ability to successfully execute the approach. Ensuring that organizational risk management competencies support the risk strategy is another critical competency for a risk management professional. A review of existing capabilities based on a gap analysis will determine which capabilities are already in place. As gaps between risk management competency and risk strategy are identified, adequate resources should be either developed or acquired in order to meet risk management goals. For example, an organization may have strong risk identification processes in place because it religiously performs business risk assessments but lacks the ability to follow through on them and reinforce the importance of governance. Risk management professionals may look to different maturity models to help design a customizable approach for identifying gaps in capabilities, and either building or improving required risk competencies.

Defining the Risk Management Framework

Designing risk governance is a step that requires technical enterprise-wide risk management skills. Regardless of the framework selected –or that has been customized– one of the more important measures of effectiveness is integration. As noted in the ISO 31000 standard on risk management, “The effectiveness of risk management will depend on its integration into the governance of the organization, including decision-making.” This requires commitment from stakeholders, particularly top management. Accountability for managing risk, at times referred to as risk ownership, is an important aspect of the technical design of risk governance. For example, there should be clear understanding of roles, responsibility, and accountability within the risk management governance structure.

Documentation of the risk management framework, standard, policies, procedures, and common vocabulary are incorporated into formal documents such as standard operating procedures (SOP) or manuals. Documentation of commitment to risk strategy from organizational leadership and risk owners is incorporated into the same SOPs or manuals in addition to other applicable governance documents related to the organization as a whole.

Obtaining Organizational Support for Risk Strategy

The next step in the design phase is to develop a value-based business case for the recommended risk strategy. The goal is to obtain commitment from leadership of the organization for the purpose, scope, accountability, responsibility, and resources to implement risk management strategy. Clear, compelling, and concise messages regarding the value expected to be gained from the risk strategy work well.

Value-based messages may be:

- Specific, such as identifying positive outcomes on a project specific basis (e.g., as we expect a 10% increase in customers, assumptions that may change the outcome will be tested);
- More general (e.g., as we expect an increase in share price vis a vis both the market and our competitors of 10%, volatility will be monitored); or
- Process based (e.g., deviations from formally established risk appetite and tolerance will be monitored and justified).

Once the messages are constructed around tangible value-based goals and outcomes, the risk professional needs to involve key decision makers and influencers within the organization and preview the business plan with them. It is important to validate the plan with these key decision makers to ensure alignment of the risk strategy with organizational objectives.

Designing Implementation Plans

The main components of an implementation plan are similar to project plans for other major initiatives. As such, risk management professionals need to be competent in project management, be able to identify the scope of the risk management initiative, set priorities for implementation, and engage key internal and external stakeholders. As with other projects, the implementation plan should identify key milestones, associated deliverables, and resources needed. Identification of implicit and explicit assumptions built into the plan such as dependencies, prerequisites, risks, and constraints helps provide assurance in meeting milestones. A project risk management review is conducted and once authorized, the implementation plan should be monitored periodically.

Success measures are based on a solid understanding of organizational goals and objectives as they relate to internal and external benchmarks. Success measures of the risk strategy itself are an important component of the design stage. As risk – the effect of uncertainty on objectives – is part of every decision, how well an organization takes risk into account when making strategic, operational, and tactical decisions should be one of the measures of success in risk strategies. Success measures at times are expressed as key performance indicators (KPIs) and key risk indicators (KRIs). KPIs are measures that demonstrate progress toward achieving goals and objectives, while KRIs measure uncertainty associated with the achievement of goals.

Developing Risk Communication Plans

An important competency for risk management professionals is the ability to create a communication plan. A communication strategy, or plan, is a document that expresses the goals and methods of an organization's risk management activities, including what an organization wishes to share with various audiences and which stakeholders the organization is trying to reach. The plan formally defines who should be given specific information, when that information should be delivered and what communication channels will be used to deliver the information. A risk communication strategy can be developed as a component of the implementation plan and as a part of an organization's overall communication strategy.

Designing organizational risk strategies is, together with implementing risk process, one of the two largest domains as measured by average exam items, because effective implementation is supported by well-designed strategy. Risk professionals who spend the time and effort required to build a solid foundation during the design stage will be better positioned for successful implementation of risk strategies.



Sample Exam Questions

7. The organization's resources and internal support are _____ the risk management strategy.
- A. adjustable to match
 - B. inputs in the development of
 - C. metrics used to measure the value of
 - D. outcomes of the development of
8. When defining the success measures for the organization's risk strategy, the risk management professional will include which of the following steps?
- A. a review of the goals and objectives of the risk strategy
 - B. a selection of appropriate media for communicating the risk strategy
 - C. an analysis of the organization's total cost of insurable risk
 - D. the development of timelines for implementing the risk strategy
9. Which of the following BEST guides an organization's risk management decision-making process?
- A. risk financing opportunities
 - B. risk retention levels
 - C. risk strategy approach
 - D. risk treatment options
10. An effective risk communication strategy requires the selection of appropriate _____ .
- A. coaches
 - B. data points
 - C. media channels
 - D. metrics

Self-Assessment of Content Areas

After you read the Designing Organizational Risk Strategies section and answer the practice questions, please rate your understanding and comfort level with each task from the second domain in Appendix A.

Domain C: Implementing Risk Process

The third domain of the RIMS-CRMP certification addresses competencies related to implementing risk process. The risk process domain utilizes the background work from the first domain and the design work from the second domain and puts them into practice. The Implementing Risk Process and Designing Organizational Risk Strategies domains have the highest chance of contributing to an exam question.

Learning Objectives

In order to successfully complete this portion of the examination, you should be able to answer questions related to:

1. Identifying scope, context, and criteria.
2. Identifying risks and opportunities.
3. Analyze identified risk.
4. Evaluating risk.
5. Collaborating with stakeholders to identify risk solution options.
6. Monitor organizational risk.

Task Detail

Identifying Scope, Context, and Criteria

The first step of implementing risk process takes preliminary work done in the organizational analysis and design phases and operationalizes those aspects in order to support specific risk management tasks. For example, external context identifies where risk identification process should be directed to capture relevant risks and opportunities. Internal context identifies how risk strategy aligns with organizational risk philosophy, goals, and objectives.

Scoping risk process specifies who is responsible for the execution of risk management process, what data collection and analysis methodologies will be used, and how information will be aggregated and reported to stakeholders. For example, customized registers that capture risk classifications, ownership, position, solutions, and expected outcome are finalized during the scoping stage.

Finally, criteria are operationalized to support clear and repeatable analysis based on calculations of risk levels, measurements of management effectiveness, and residual positions of risk that are monitored within established risk appetite and tolerance thresholds.

Identifying Risk and Opportunity

As objective facilitators, risk management professionals serve as consolidators to aggregate and synthesize data that enable people within an organization to make risk-informed decisions. The risk identification process is comprised of finding, recognizing, and recording risks and opportunities using a variety of methodologies. For example, if a SWOT analysis was utilized to identify obstacles and accelerators to the achievement of organizational goals, the same methodology can be incorporated into the risk identification process. Additional data collection methods that might be useful include stakeholder interviews, focus groups, incident details, claims, surveys, financial statements, document reviews, and benchmarking. As data are collected, results are validated and recorded, capturing both threats and opportunities.

Analyzing Identified Risk

Risk analysis is the process of characterizing and understanding the nature of risk and of considering the level of risk in the context of the organization's willingness to accept risk in pursuit of its objectives. Successful risk analysis solves an issue or informs a decision when the criteria that will be employed to support the analysis and subsequent evaluation are fit for the purpose. Methods for analysis may need to be qualitative, quantitative, or based on a hybrid approach.⁸ Certain risks or opportunities may require multiple analytical techniques to provide assurance and validation in the process. Analysis criteria determine which analytical methods should be used. For example, focus groups create long transcripts of conversations that can be organized thematically and support content analysis. Alternatively, financial results can be measured against different independent variables by using statistical analysis, while survey results may benefit from a hybrid method where data are first organized qualitatively and then scaled for quantitative analysis. Regardless of approach, both pure and speculative risk can be analyzed depending on the objective, related criteria, and chosen analysis method.

⁸ While knowledge about how to do calculations related to specific risk analysis techniques and mathematical calculations are not required for the RIMS-CRMP exam, candidates must be able to apply the recognize components of risk analysis, and understand how and when to utilize methods for effective risk analysis.

Evaluating Risk

Risk evaluation combines results from risk analysis with measures of risk appetite and tolerance levels to determine which risks are acceptable in their current position and which require different solutions. Establishing definitions of what is significant for an organization—either statistically or qualitatively—creates thresholds to determine if risk appetite or tolerance have been exceeded or have not yet been met. Determining whether or not a risk or opportunity is within established control limits for risk appetite and tolerance supports the creation of risk solutions because it addresses allocation of resources. For example, time and money dedicated to overmanaged risks may be reallocated to undermanaged risks. Similarly, opportunities to take on more risk may be justified in pursuit of more value creation.

Interpretation of results of risk analysis identifies interdependencies among and between risks, supports aggregation of risk at a portfolio level, and clarifies potential consequences to the business model. As with risk analysis, successful risk evaluation is based on determining appropriate evaluation criteria for the decision under consideration, as well as exploitation and modification alternatives that fit into the overall risk philosophy of the organization.

Collaborating with Stakeholders to Identify Risk Solution Options

A risk management professional must be competent as a strategic advisor, solutions advocate and collaboration facilitator in developing and applying solutions to manage uncertainty. Collaboration is a fundamental competency since successful solutions must be tied to business model drivers, objectives and those who have primary responsibilities for managing risk, at times referenced as “risk owners.” Collaboration also helps identify interdependencies between different solutions, leverages solutions that manage multiple risks with the same treatment and identifies inefficiencies where the solution may create more risk than it manages. Risk solutions should focus clearly and concisely on expected outcomes and align action with governance accountabilities.

Monitoring Organizational Risk

A fundamental competency of risk management professionals is creating a process for monitoring risk based on the organization's needs. Understanding the organization's priorities for monitoring highlights resources that are needed for the risk solutions expected to create the most value. An integrated method of monitoring risks is through performance metrics as measures of deviations from expected outcomes to help a firm see how it is performing based on key performance indicators (KPIs). Monitoring key risk indicators (KRIs) that affect business objectives simultaneously allow an organization to act at an early stage of performance deviations. Establishing schedules within the normal business calendar provides the foundation for a continuous improvement process, which emphasizes measurement of performance against metrics and validates the performance of risk solutions. Developing risk reporting that both informs risk owners and communicates actionable information at various levels of the organization helps drive change by making groups accountable and responsible and can be used to conduct follow-up activities as required.

Implementing risk process provides detailed and actionable outputs that help risk professionals engage in meaningful conversations with stakeholders and risk owners about how to improve competency in risk management throughout the organization, the topic of the fourth module.

Sample Exam Questions

11. Which of the following is considered a risk analysis technique?
- A. budget allocation
 - B. consensus building
 - C. insurance placement
 - D. Monte Carlo simulation



12. When an operational area develops a treatment for a critical risk, the risk management professional MUST _____ .
- A. add the risk to the risk map
 - B. communicate the treatment plan directly with internal audit
 - C. evaluate the dollar savings associated with the treatment
 - D. evaluate the impact upon other areas
13. A risk management professional advises management on the status of key risks by _____ .
- A. annually identifying the inventory of risks
 - B. providing information about competitors' risk management plan
 - C. providing insights into the changing characteristics of a risk
 - D. summarizing internal audit reports
14. STEEP is a method used for strategic planning. The acronym STEEP stands for _____ .
- A. security, technical, emerging, external, profit
 - B. social, technological, economic, environmental, political
 - C. standard, technique, enterprise, environmental, process
 - D. social, theory, external, engaging, program
15. Once risks have been analyzed, the risk management professional should evaluate the risks against the risk _____ .
- A. appetite
 - B. monitoring plan
 - C. treatment
 - D. underwriting criteria

Self-Assessment of Content Areas

After you read the Implementing Risk Process section and answer the practice questions, please rate your understanding and comfort level with each task from the third domain in Appendix A.

Domain D: Developing Organizational Risk Competency

The fourth RIMS-CRMP domain deals with developing organizational risk competency and focuses on how the organization as a whole develops and acquires risk management competencies, continuously improves, and ultimately incorporates risk management into its daily processes.

Learning Objectives

In order to successfully complete this portion of the examination, you should be able to answer questions related to:

1. Engaging an organization's risk network.
2. Delivering risk management training.
3. Coaching an organization on the risk process and techniques.
4. Continuously improving risk management process.
5. Integrating risk management into day-to-day operations.

Task Detail

Engaging an Organization's Risk Network

Developing a risk network promotes greater consistency in approach and capabilities for risk management activities throughout an organization. Exploring and respecting the risk management activities of each functional area allows a risk management professional to implement an approach that considers the risks and risk management practices of the organization as a whole. A key consideration in a successful exchange is the collaborative relationship among risk management professionals, the risk network, and others within the organization. A risk management professional should take the time to build relationships with influential executives to determine their views on how risk management can benefit the organization over time. Empathy and listening skills are important in understanding each person's concerns and being clear on what executives would like the organization to achieve. Risk management professionals should be seen as allies who support the organization in reaching its goals and objectives.

Delivering Risk Management Training

Executives consistently cite formalization of risk management training and education across the organization as a top focus area for developing organizational risk management capabilities in surveys that Marsh and RIMS conduct annually. Risk management training should align to specific business goals by determining the learning activities needed to reach performance goals through a training needs assessment, or gap analysis. Gap analysis seeks to answer the questions: "where are we?"—the current state and "where do we want to be?"—the desired future state. The results of this comparison, or gap analysis, determine the training content that needs to be provided to various audiences within the organization. Selection of communication channels is just as important as content. For example, depending on organizational culture and structure, face-to-face communication may be reserved for complex concepts, while the use of social media-based platforms may be more appropriate for updates.

Coaching an Organization on the Risk Process and Techniques

While training may be a one-time or periodic occurrence, risk coaching occurs on an ongoing basis. In some situations, formal risk management training is not supported or even possible, perhaps due to time and funding constraints. In these cases, risk management coaching becomes the main way to build organizational competencies. The term coaching typically refers to methods of helping others to improve, develop, learn new skills, find success, achieve aims, and to manage change and challenges. In organizational settings, coaching is the practice of providing support and advice to an individual or group in order to help them recognize ways in which they can improve their competencies and effectiveness. Risk management coaching involves providing guidance and support on becoming more proficient in using risk management process and techniques for problem solving in various environments. Coaching differs from training in style, approach, and structure.

Continuously Improving the Risk Management Process

Continuous improvement is an ongoing effort to improve products, services, or processes within an organization, and can be either informal (e.g., checklist) or more formal (such as using a plan-do-check-act methodology). An important aspect of organizational risk competency is adaptation through the process of continuous improvement. The process begins by identifying aspects of the risk process that need improving and then collaborating with other key stakeholders to develop alternative approaches. Alternatives should be validated with key stakeholders and those responsible for managing risk

before a new approach is chosen and implemented. Finally, the results of a new option should be monitored and modified as needed through an iterative process. Maturity models are a recognized measurement tool for demonstrating development progress and for highlighting consistent outcomes across organizations. Maturity as used here refers to an evolution toward the desired risk management attributes and competency drivers.

Integrating Risk Management into Day-to-day Operations

One of the indicators of a mature risk management process within an organization is the extent to which risk management is integrated into decision making at multiple levels of the organization. A risk management professional, with deep knowledge of the organization, has many opportunities to engage, influence, and build organizational competencies in risk management in various environments where decisions are being made. Opportunities could be in areas as diverse as innovation labs, research and development, customer relations, and day-to-day operations. Risk assessments are the most obvious examples of full integration. Strategic risk assessments focus on the broader deliberation and actions regarding uncertainties and untapped opportunities that affect an organization's planned strategy and strategy execution, such as growth (e.g., opening new markets) or contraction objectives (e.g., eliminating certain product or service lines). For example, has the organization built in a process to explicitly ask and answer risk-based questions about opportunities and threats regarding organizational objectives? Operational risk assessments may be limited to uncertainties associated with existing operations and plans—the assets, processes, people, and systems in place—in order to deliver a particular outcome, such as planned earnings.

Determining how alignment is measured between risk management methods and business outcomes strengthens integration. Project risk assessments typically are used to assess uncertainties and potential consequences related to expected outcomes of a particular project or initiative, such as delivering the project within the planned time, budget, and scope. Employees who understand their respective roles for managing risk that they can affect, and for raising awareness of risk they do not directly manage, accelerate integration.

An organization that has successfully integrated risk management into daily operations is well positioned to improve decision making as well. The final domain focuses on the contributions that risk management makes to supporting risk and resilience decisions.

Sample Exam Questions

16. After validating the training curricula, a risk management professional
 - A. develops training
 - B. develops and schedules training
 - C. matches training to audience
 - D. schedules and conducts training
17. What can a risk management professional recommend to management to protect an organization's critical infrastructure from a cyber attack?
 - A. implement password protocols
 - B. buy a tower of cyber liability insurance
 - C. ensure employees do not post on social media
 - D. monitor employees use of the internet
18. Risk tolerance is defined as the _____.
 - A. amount of uncertainty that an organization is prepared to accept
 - B. desired level of risk that an organization believes is optimal to achieve its goals
 - C. amount of risk that an organization can actually assume
 - D. norms and traditions of the individuals of an organization and how they act on risk

Self-Assessment of Content Areas

After you read the Developing Organizational Risk Competency section and answer the practice questions, please rate your understanding and comfort level with each task from the fourth domain in Appendix A.

Domain E: Supporting Decision Making

The final domain of the RIMS-CRMP deals with supporting decision making. With the successful establishment of risk process based on thorough organizational analysis and dedication to proper design, an organization can focus on value creation through improving decision making based on risk management tools and techniques. The domain covers three tasks. The first two address the people who decide and the decisions themselves. The third addresses the instruments those decisions increasingly rely on, from facilitated workshops and scoring models through to automated systems that act with little human intervention.

Learning Objectives

In order to successfully complete this portion of the examination, you should be able to answer questions related to:

1. Influencing risk-based decision making.
2. Facilitating risk discussions.
3. Advising on risk and resilience decisions.
4. Managing decision-support tools.

Task Detail

Influencing Risk-Based Decision Making

People throughout an organization make decisions every day. Some decisions are strategic and complex. Others are significant but less complex. Most are simple and frequent. Risk management is most effective when embedded into both routine and strategic decisions. Objectives and decision timelines drive the use of specific types of risk assessments – and analysis techniques – for different situations, the issues under consideration, and the type of decision being made. Therefore, a key competency for a risk management professional is the ability to incorporate risk management into decision making throughout an organization: listening skills, coaching and adeptness as a facilitator all come into play. While a risk management professional may not have formal training in decision sciences, understanding decision-making stages helps determine at what point he or she can influence a decision: 1) a pre-decision stage in which decisions have yet to be made, 2) an active decision stage in which decisions are in the process of being made, and 3) a post-decision stage in which decisions have already been made.

Identifying which decisions within each stage have the greatest impact on the business model and success of the objectives is also important. For example, a risk management professional may choose to emphasize high-impact decisions in the pre-decision category in order to minimize as much downside risk as possible and maximize as much gain as possible.

Other considerations are to identify who the actual decision makers are and to determine if there is a difference between the actual decision maker and the person accountable for the decision. Understanding risk-taking attitudes at each of the stages is also important.

The farther along people are in a decision-making stage about a strategic initiative, the less likely they might be to raise concerns regarding threats to the success of an initiative. Openly considering risk at each stage improves the odds that beneficial course corrections will be made to increase the odds of success.

For a risk management professional, understanding the components of quality decision-making is as important as understanding decision-making stages. Working with those who are engaged in the discussion (e.g., decision makers, accountable individuals, or impacted stakeholders) requires knowledge of the organization, how quality decisions are made, negotiation and leadership skills. Risk management professionals can assume a number of different roles in decision discussions such as: strategic advisor, observer, coordinator, or facilitator. As a facilitator, a risk management professional encourages participants to share relevant and reliable information by guiding a vigorous conversation. A facilitator has a responsibility to provide the team with updates on changes in the organization—whether those changes are operational or strategic—as well as emerging trends. In this role, a risk management professional should query and challenge what is said in order to fully develop a concept or issue and explore risk from multiple perspectives. Decisions made in one part of an organization may have ramifications in other areas. For example, launching a new product or service may affect the organization's ability to meet other customer needs. Successful risk discussions should draw out opportunities and alternatives, as well as uncertainties associated with potential outcomes of decisions. The goal is to confirm that the decision-makers take known and potential risk into consideration. Emphasis should be on transparency and consensus building concerning risk when taking decisions. If transparency becomes an issue or if consensus is unattainable, a process should be in place to escalate the discussion accordingly.

Advising on Risk and Resilience Decisions

As an organization manages risk on an integrated basis supported by project specific analysis, an important competency of a risk management professional is to provide insights that others may not readily recognize. Establishing a reputation as a

credible advisor on risk management and resilience enables risk management professionals to counsel other leaders within the organization (e.g., strategists, operations heads, or owners of initiatives), offering insights into risks affecting overall organizational performance.

With continuous monitoring and environmental scanning in place, risk owners identify new, changing, and emerging risks and opportunities. For example, risks may emerge that increase uncertainty around the achievement of organizational objectives. Additionally, untapped opportunities may emerge that—when acted upon—improve the organization’s ability to adapt to change and absorb shocks. In order to advise on potential new options to respond to emerging risk, the same methodologies developed in the stage of implementing risk process are applied. The approach contributes to discussions about emerging threats to resilience with operational leaders, as much as it contributes to discussions about changes that could impact the stability and coherence of the organization with strategic leaders. Recommendations of new solutions benefit from existing process that ensures adequate monitoring and reviewing of the expected improvement in resilience of the organization.

The continuous identification of new, emerging, and changing risks impacts each of the four previous domains (see figure two). As an organization focuses on planned and adaptive resilience, fundamental characteristics of the organizational model may change because of large scale or systemic shocks in the operating environment of the organization. Changes to the design of organizational risk strategies may result as the organization learns from events and trends impacting performance. While implementation principles remain the same, there could be significant changes in the scope, context, and criteria of risk process based on emerging and disruptive movements in markets, customers, and competition. Finally, organizational risk competency may be challenged by emerging risk as well as requirements for new skills and abilities to manage risk effectively. With a dynamic process in place to ensure continuous improvement as well as adaptability, the chances of preserving long-term value of the organization improve.

Managing Decision-Support Tools

Few decisions of consequence are now made without an instrument standing between the evidence and the choice. A decision-support tool is any system, whether human, automated, or hybrid, that participates in, influences, or executes an organizational decision. The definition is deliberately broad. A facilitated risk workshop is a decision-support tool, as are a heat map, a risk register, a key risk indicator dashboard, a Monte Carlo model, a scoring engine, and an automated system that acts on its own output. What distinguishes this task from the two that precede it is its object. Influencing addresses the decision maker, advising addresses the decision, and managing decision-support tools addresses the instrument that informs or makes the decision.

Tools differ along two dimensions, and both matter to the risk management professional. The first is how a tool is built, which ranges from structured human methods through hybrid analytics that keep a person in the loop to automated systems that operate with little or no human intervention. The second is the role the tool plays, which may be to inform a decision, to influence it, or to execute it outright. Taken together, these dimensions set the level of oversight a tool requires. The more autonomously a tool decides, and the more consequential the decision, the stronger the controls around it must be. A heat map that informs a quarterly discussion and a model that declines transactions without review do not warrant the same scrutiny. It is more useful to treat the decision pathway as the object of governance than the tool alone. A decision travels a chain: data and inputs, the model or analysis applied to them, the recommendation that results, the handoff to a human, and the action and outcome that follow. Risk enters at every link. Poor, biased, or stale data corrupts the inputs. Invalid logic or hidden assumptions corrupt the analysis. An opaque or miscalibrated output corrupts the recommendation. At the handoff, automation bias, a weak override, or unclear decision rights corrupt the human contribution. After the action, drift with no feedback loop means no one learns that the tool has stopped working.

Three categories of risk help name what can go wrong inside a tool. Epistemic risk asks whether what the tool knows can be trusted, and covers validity and reliability, bias and fairness, and the explainability of results. Operational risk asks whether the tool will run safely over time, and covers data quality, security and resilience, model and data drift, and availability. Governance risk asks who is answerable for the tool, and covers decision rights, accountability and ownership, whether a human remains in or on the loop, and documentation and audit trail. The first two are established by testing. The third is established by assignment.

Managing a tool follows a sequence that will be familiar from the risk process. The professional begins by gauging the inventory, identifying every decision-support tool in scope and classifying each by type and role, because tools proliferate quietly and an ungoverned tool is usually an unknown one. Next comes orienting to stakes and autonomy, assessing the impact of the decision and the independence of the tool in order to set oversight proportionally. Validating trustworthiness follows, testing the tool against validity and reliability, data quality, bias and fairness, transparency and explainability, and security. Accountabil-

ity is then established by assigning an owner and decision rights and defining where a human must remain in or on the loop. Controls are right-sized by applying the same treatment options used elsewhere in the risk process, whether to avoid, transfer, exploit, mitigate, or accept, through oversight, override, thresholds, and audit trails. Where a tool cannot meet the trustworthiness bar at any reasonable level of diligence, avoidance, meaning not deploying it or retiring it, is frequently the correct answer. Finally, the professional navigates drift and change, monitoring outputs and outcomes and recalibrating as context moves. Monitoring returns the professional to the inventory, and the sequence repeats.

Because a tool and the person using it form a single system, the unit of governance is the human and the tool together. Work is allocated so that the tool contributes speed, scale, and consistency while the person retains judgment, ethical weight, edge cases, and final accountability. Trust is calibrated in both directions, since over-trust produces automation bias, in which a tool that is good enough stops being questioned, and under-trust produces the waste of ignoring a sound instrument. A control mode is set according to autonomy and impact, placing a human in the loop to approve each action, on the loop to monitor and intervene, or in command to set the bounds within which the tool may operate. Handoffs are engineered rather than assumed, with explicit escalation and override triggers, a clear holder of final say, and a fallback for when the tool is unavailable or reports low confidence.

The governance of artificial intelligence and analytical systems is an active area of standards development, and risk management professionals should be aware of the principal frameworks, among them the NIST AI Risk Management Framework, ISO/IEC 23894 on artificial intelligence risk management, ISO/IEC 42001 on artificial intelligence management systems, and the risk tiers established by the European Union's AI Act. None of these replaces the risk process. Each points it at a new class of object. The governing principle is one of accountability. A decision may be delegated to a tool. The accountability for that decision may not.

Sample Exam Questions

19. What is the role of risk management in the strategic planning process?
 - A. challenge the decisions made
 - B. develop risk treatment plans
 - C. draft the decisions to be made
 - D. identify threats and opportunities

20. When measuring the financial effectiveness of an organization's risk management plan, the risk management professional should _____ .
 - A. determine the overall cost of risk
 - B. exclude risk financing costs
 - C. involve the risk management committee
 - D. determine the maximum level of uncertainty the organization can tolerate

21. How can an ERM heat map help to facilitate discussion for a risk committee?
 - A. It provides a risk register for an organization to be able to review all risks.
 - B. It identifies how mitigation efforts could affect frequency and severity of a risk.
 - C. It provides a map for insurance companies to price an organization's premiums.
 - D. It can help benchmark risks for comparison with others in the industry.

22. A decision-support tool is BEST described as a system that _____ .
 - A. has been validated by an independent third party
 - B. participates in, influences, or executes organizational decisions
 - C. automates a process previously performed by a person
 - D. produces quantitative output for use in risk analysis



23. The level of oversight required for a decision-support tool is determined by the tool's autonomy and the _____ .

- A. cost of acquiring and maintaining the tool
- B. number of users with access to the tool
- C. impact of the decision it supports
- D. length of time the tool has been in service

24. When an automated tool makes a decision on the organization's behalf, accountability for that decision rests with

- A. the vendor that supplied the tool
- B. the function that built or configured the tool
- C. the assigned owner within the organization
- D. no individual, because the decision was automated

Self-Assessment of Content Areas

After you read the Supporting Decision Making section and answer the practice questions, please rate your understanding and comfort level with each task from the fifth domain in appendix A.



Appendix A

Self-Assessment Tool

Instructions

Rate your understanding and comfort level with each task after reading the domain section and attempting the practice questions. Score your understanding of each task based on a 5-point scale with 1 being the weakest and 5 being the strongest. Calculate the sum, then divide the total by the number of tasks. Finally, enter the quotient into the box for "Domain."

Example

		Self-Rank Score		
	Domain	Task		Note
A	Analyzing the Organizational Model	3.5		
1	Obtain internal organization information	3		
2	Obtain external organization information	5		
3	Conduct internal analyses on the organization	4		
4	Assess organizational resilience	2		
Sum of self-scores by task		1		
Divided by 4		/4		

Appendix A – continued

Self-Assessment Tool

Self-Assessment of Duties and Tasks																												
A	Analyzing the Organizational Model	<table border="1"> <thead> <tr> <th colspan="2">Self-Rank Score</th> <th rowspan="2">Note</th> </tr> <tr> <th>Domain</th> <th>Task</th> </tr> </thead> <tbody> <tr> <td rowspan="4">↑</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td colspan="2">Sum of self-scores by task</td> <td></td> </tr> <tr> <td colspan="2">Divided by 4</td> <td></td> </tr> </tbody> </table>	Self-Rank Score		Note	Domain	Task	↑									Sum of self-scores by task			Divided by 4								
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D	Developing Organizational Risk Competency	<table border="1"> <thead> <tr> <th colspan="2">Self-Rank Score</th> <th rowspan="2">Note</th> </tr> <tr> <th>Domain</th> <th>Task</th> </tr> </thead> <tbody> <tr> <td rowspan="5">↑</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td colspan="2">Sum of self-scores by task</td> <td></td> </tr> <tr> <td colspan="2">Divided by 5</td> <td></td> </tr> </tbody> </table>	Self-Rank Score		Note	Domain	Task	↑											Sum of self-scores by task			Divided by 5						
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E	Supporting Decision Making	<table border="1"> <thead> <tr> <th colspan="2">Self-Rank Score</th> <th rowspan="2">Note</th> </tr> <tr> <th>Domain</th> <th>Task</th> </tr> </thead> <tbody> <tr> <td rowspan="3">↑</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td colspan="2">Sum of self-scores by task</td> <td></td> </tr> <tr> <td colspan="2">Divided by 3</td> <td></td> </tr> </tbody> </table>	Self-Rank Score		Note	Domain	Task	↑							Sum of self-scores by task			Divided by 3										
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Appendix A – continued

Self-Assessment Summary and Gap Analysis

Upon completion of each section of the self-assessment, you are now ready to perform a gap analysis to support allocation of exam preparation time. First, enter your self-rank score for each domain in the summary table below. Then, add them and divide by five in order to obtain a measure of your overall comfort level. To assign a ranking to each domain, compare your domain self-ranked score to the potential exam weight percentage. A rank of 1 identifies what you should study first.

Domain	Self-Rank Score		Exam Weight	Rank	Note
	Overall	Domain			
A Analyzing the Organizational Model			15%		
B Designing Organizational Risk Strategies			30%		
C Implementing Risk Process			30%		
D Developing Organizational Risk Competency			10%		
E Supporting Decision Making			15%		
Sum of self-scores by task					
Average (Divided by 5)					

Example

The hypothetical candidate below has the highest comfort level in implementing risk process, and therefore ranks the third domain as the last on which to spend time preparing. Although supporting decision making has the lowest comfort level, it is prioritized after developing organizational risk competency because the fourth domain represents a higher possibility of being on the exam.

Domain	Self-Rank Score		Exam Weight	Rank	Note
	Overall	Domain			
A Analyzing the Organizational Model	2.55	2.5	15%	3	
B Designing Organizational Risk Strategies		3.25	30%	4	
C Implementing Risk Process		4	30%	5	
D Developing Organizational Risk Competency		2	10%	1	
E Supporting Decision Making		1	15%	2	
Sum of self-scores by task		12.75			
Average (Divided by 5)		/ 5			

Glossary

Automation bias: The tendency to accept the output of a decision-support tool without scrutiny, particularly where the tool is reliable enough that users stop questioning it.

Benchmarking: The process of measuring the performance of an organization against external standards of reference that frequently come from similar organizations doing similar things.

Corporate governance: The system of rules, practices, and processes by which a company is directed and controlled. (Investopedia <http://www.investopedia.com/terms/c/corporategovernance.asp#ixzz4QO62g4aC>)

Decision-support tool: Any system, whether human, automated, or hybrid, that participates in, influences, or executes an organizational decision.

Decision rights: The explicit assignment of who may decide what, and the threshold at which a decision must be escalated.

Drift: Degradation in a tool's performance over time as the data or operating context it was built for changes. Distinguished as model drift and data drift.

Enterprise risk management: A strategic discipline that supports the achievement of an organization's objectives by addressing the full spectrum of its risk and managing the combined impact of those risks as an interrelated risk portfolio. (RIMS, 2010)

Explainability: The degree to which the output of a decision-support tool can be accounted for in terms a decision maker can follow and challenge.

Gap analysis: Comparison of an existing process or procedure (current state-what is) to a desired, future state (what should be) in order to identify deficiencies or excesses in the existing process (what to consider). (ANSI/ASIS/RIMS Risk Assessment Standard RA.1-2015, p.45-46)

Human in the loop: A control mode in which a person approves each action a tool takes. Related modes are human on the loop, in which a person monitors and may intervene, and human in command, in which a person sets the bounds within which the tool operates.

Key performance indicator (KPI): Measure(s) of deviations from expected outcomes to help a firm see how it is performing. (RIMS, Transitioning to ERM, 2014)

Key risk indicator (KRI): Leading indicator(s) of risk to business performance, giving early warning about potential risks. (RIMS, Transitioning to ERM, 2014).

Organizational Resilience: The ability of an organization to absorb and adapt in a changing environment to enable it to deliver its objectives and to survive and prosper.

PESTLE analysis: PESTLE is an acronym for Political, Economic, Social, Technological, Legal and Environmental and identifies the categories utilized to analyze internal and external environments. Other forms of the acronym include "PEST" and "PESTEL."

Risk: The effect of uncertainty on objectives. (ISO 31000:2018, Guide 73:2009)

Risk appetite: The total exposed amount that an organization wishes to undertake on the basis of risk-return trade-offs for one or more desired and expected outcomes (RIMS, Exploring Risk Appetite and Risk Tolerance, 2012).

Risk attitude: An organization's or individual's view/perspective of the perceived qualitative and quantitative value that may be gained in comparison to the related potential loss or losses. (RIMS, Exploring Risk Appetite and Risk Tolerance, 2012)

Risk culture: The beliefs, values, norms, and traditions of behavior of individuals and groups within an organization that determine the way in which they identify, understand, discuss, and act on the risk(s) the organization confronts and takes. (RIMS, Exploring Risk Appetite and Risk Tolerance, 2012)

Risk champion: Any person in an organization who is a leader and influences peers regarding the value that risk management adds to the organization.

Risk governance: Encompasses the oversight, practices and respective roles and responsibilities for risk within an organization's unique corporate governance.

Risk management: Coordinated activities to plan, direct, control and make decisions concerning the effects of uncertainty on objectives. (adapted from ISO guide 73:2009)

Risk owner: An individual accountable for the identification, assessment, treatment, and monitoring of risks in a specific environment. (Elliott, 2014, p. 3.5)

Risk portfolio: A broad collection and range of uncertainties that can affect an organization's future.

Risk tolerance: The amount of uncertainty an organization is prepared to accept in total or more narrowly within a certain business unit, a particular risk category or for a specific initiative. (RIMS, Exploring Risk Appetite and Risk Tolerance, 2012)

Root cause: Underlying or initiating risk source or driver that produces certain outcomes or changes the impact of an outcome or outcomes. Commonly used to describe the point in a chain of events or conditions where an intervention could reasonably be implemented to improve performance or prevent an undesirable outcome. (adapted from ANSI/ASIS/RIMS Risk Assessment Standard, RA.1-2015)



Root cause analysis: Multiple risk assessment techniques and approaches, at times applied in a series, which are designed to identify the underlying or initiating risk source(s) or driver(s). (ANSI/ASIS/RIMS Risk Assessment Standard, RA.1-2015. P. 93)

Strategic risk management (SRM): A business discipline that drives deliberation and action regarding uncertainties and untapped opportunities that affect an organization's strategy and strategy execution. (RIMS Strategic Risk Management Implementation Guide, 2012).

SWOT analysis: SWOT is an acronym for Strengths, Weaknesses, Opportunities, and Threats and is an analytical approach for environmental scanning that combines internal and external context with obstacles and accelerators to success in achieving objectives.

Value chain: A high-level model developed by Michael Porter used to describe the process by which businesses receive raw materials, add value to the raw materials through various processes to create a finished product, and then sell that end product to customers. (Investopedia <http://www.investopedia.com/terms/v/valuechain.asp#ixzz4QO5T8TRD>)

Value chain analysis: A strategy tool used to analyze internal firm activities. Its goal is to recognize which activities are the most valuable (i.e., are the source of cost or differentiation advantage) to the firm and which ones could be improved to provide competitive advantage. (Strategic Management Insight: www.strategicmanagementinsight.com/tools/value-chain-analysis)

Top 10 Exam References

1. Chapman, Robert. Simple Tools and Techniques for Enterprise Risk Management, 2nd ed., John Wiley & Sons, Ltd, London, 2011.
2. Elliott, Michael. Risk Management Principles and Practices, The Institutes, Malvern, PA.
3. Fraser, J. and Simkins, B.J. Enterprise Risk Management, 1st ed., John Wiley & Sons, Inc., Hoboken, NJ.
4. Gamble, John; Thompson Jr., Arthur; Peteraf, Margaret. Essentials of Strategic Management: The Quest for Competitive Advantage, 6th ed, 2019.
5. Hopkin, Paul. Fundamentals of Risk Management, 2018.
6. International Organization for Standardization. Risk Management – Guidelines (ISO Standard No. 31000:2018).
7. Moeller, Robert. COSO Enterprise Risk Management, John Wiley & Sons, Inc., Hoboken, NJ.
8. RIMS Executive Report, Exploring the Risk Committee Advantage, RIMS, New York, NY, 2015.
9. RIMS Executive Report, Transitioning to Enterprise Risk Management, RIMS, New York, NY, 2014.
10. Strategic Risk Management Development Council. RIMS Strategic Risk Management Implementation Guide, RIMS, New York, NY.

Practice Questions

22. A success criterion for a risk management program includes
 - A. Risk accountability
 - B. Dependencies
 - C. Organizational structure
 - D. Performance
23. Which of the following is the BEST example of a reason to revise a risk management program?
 - A. A new exposure arises such as a new merger or acquisition
 - B. Significant turnover within the risk management function
 - C. New product offerings by the insurance industry
 - D. A revision of a company's annual earnings forecast
24. A potential DISADVANTAGE of benchmarking is that it
 - A. May limit the type of information obtained if it only considers organizations viewed as a direct competitor
 - B. Focuses primarily on areas of overlap in product or services and does not consider areas in which organizations differ
 - C. Focuses primarily on company best practices and cannot be used to identify areas for possible innovation
 - D. Does not provide useful information about industry and market trends
25. Which industry environmental factors create uncertainty for an organization?
 - A. Demand and competition
 - B. Cultural factors
 - C. Transportation and infrastructure
 - D. Historical claims experiences



26. To increase the likelihood that a risk strategy approach will be adopted, it is important for a risk management professional to understand the organization's
 - A. Governance
 - B. Hierarchy
 - C. Culture
 - D. Profit margins
27. A risk management oversight body focuses on what quadrant of risk as aligning closest to its organization's ability to meet corporate objectives?
 - A. Hazard
 - B. Financial
 - C. Strategic
 - D. Operational
28. Risk Mapping is an effective visual tool employed by risk management professionals to
 - A. Capture risk portfolio relative frequency and severity
 - B. Define historical risk portfolio materiality thresholds
 - C. Provide Monte Carlo Simulation inputs
 - D. Confirm validity of loss triangles
29. When a line employee identifies a risk, to whom should the information first be reported to?
 - A. Compliance Officer
 - B. Operations Manager
 - C. Risk Committee
 - D. Risk Manager
30. The purpose of documenting business model uncertainties is to
 - A. Prioritize the impact of residual risks
 - B. Conduct a review of the enterprise risk management framework
 - C. Disqualify a business case to support loss control measures
 - D. Provide a tangible resource for the design of risk strategies
31. What is one KEY advantage that can be used to obtain organizational support for adopting an enterprise risk management strategy?
 - A. Increased capital flows associated with increased risk controls
 - B. Reduced scrutiny from management or oversight boards
 - C. Improved effectiveness of safety and security practices
 - D. Reduced governance costs through increased control efficiency
32. As the concept of organizational resilience evolves, what is ONE critical challenge to communicating and implementing a sustainable process?
 - A. Economic cost of implementing a resilient program design
 - B. Resilience across and between organizational cultures
 - C. Market recognition of resilience program effectiveness
 - D. Ensuring alignment between resilience program design and execution when needed



33. A risk management professional evaluates which type of key external force to gain insight about another company's strengths and weaknesses?
 - A. Political
 - B. Competitive
 - C. Economic
 - D. Technological
34. A timeline is included in the
 - A. Risk implementation plan
 - B. Risk governance structure
 - C. Risk management framework
 - D. Risk monitoring metrics
35. The three components that make up the risk assessment phase of the risk management process are
 - A. Establishing the context, risk evaluation, and risk treatment
 - B. Establishing the context, risk identification, and risk evaluation
 - C. Risk identification, risk analysis, and risk evaluation
 - D. Risk identification, risk analysis, and risk treatment
36. When working with risk owners to develop risk treatment, it is necessary to
 - A. Consider risks equally
 - B. Consider risk within the context of the business
 - C. Generate a positive return on investment in the current year
 - D. Seek approval from the Board of Directors
37. The risk management professional should prioritize information about the business model based on
 - A. Industry trends
 - B. Annual reports
 - C. Analyst reviews
 - D. Strategic objectives
38. When seeking to advise the organization on risks, the risk management professional should try to adopt what type of relationship model?
 - A. Compliance
 - B. Operational
 - C. Partnership
 - D. Sales
39. Which of the following would signal a potential change in an organization's risk context?
 - A. The organization acquires a new business
 - B. The organization changes insurance brokers
 - C. The organization's board of directors reviews a compliance report
 - D. The organization publishes its annual report



40. What is the FIRST step in delivering risk training?
- A. Developing training
 - B. Identifying existing training
 - C. Identifying training needs
 - D. Scheduling training
41. The risk management professional can use various risk dimensions to analyze risks. These include impact, likelihood and
- A. Change in size
 - B. Coefficient of reliability
 - C. Collective opinion or team rating
 - D. Speed of onset or velocity
42. Which type of risk management is the most influential in facilitating risk discussions on a board or similar organizational level?
- A. Integrated
 - B. Enterprise
 - C. Traditional
 - D. Advanced
43. Which approach should be used to reduce the risk of perception bias when conducting a facilitate risk workshop?
- A. Working with managers
 - B. Working with a diverse group
 - C. Working with other risk management professionals
 - D. Working with a large group
44. To gain greater insight on the effects of uncertainty on organizational objectives, the risk management professional
- A. Has a strong incentive to consult and communicate organizational risks
 - B. Should consult with key risk stakeholders
 - C. Should focus on identifiable risks
 - D. Has a duty to inform when risks are outside of a risk tolerance
45. An effective way for a risk management professional to analyze operations of an organization is to form a
- A. Risk committee
 - B. Captive insurance company
 - C. Risk management department
 - D. Template to gather information
46. Before a decision is made, which of the following issues should ALWAYS be escalated to higher level risk committees, management committees, or the Board?
- A. Those that are important but lack critical information
 - B. Those that are overly complex and not well understood
 - C. Those that exceed the authority of the intended decision maker or decision-making body
 - D. Those that fall within the authority of the intended decision maker or decision-making body

Answer Key

Domain A: Analyzing the Organizational Model

1. **D**

The business model represents the value an organization creates.

Reference: Gamble, John; Thompson Jr., Arthur; Peteraf, Margaret. Essentials of Strategic Management: The Quest for Competitive Advantage, 6th ed, 2019.

2. **D**

The risk management professional should utilize appropriate analytical tools for analyzing the business model.

Reference: Gamble, John; Thompson Jr., Arthur; Peteraf, Margaret. Essentials of Strategic Management: The Quest for Competitive Advantage, 6th ed, 2019.

3. **D**

The vulnerability of the supply-chain helps determine the organization's ability to meet performance objectives.

Reference: Gamble, John; Thompson Jr., Arthur; Peteraf, Margaret. Essentials of Strategic Management: The Quest for Competitive Advantage, 6th ed, 2019.

4. **B**

To properly perform due diligence, the risk management professional needs to know the order of processing the information. Information must be organized before it can be analyzed, prioritized, or reported.

Reference: Strategic Risk Management Development Council. RIMS Strategic Risk Management Implementation Guide, RIMS, New York, NY.

5. **C**

Workshops have an advantage in that they have a facilitator that can help to guide the discussion and identify information in this interactive format. Checklists, flowcharts, and questionnaires are less able to identify shared risks between departments as they are completed in a silo approach.

Reference: Elliott, Michael. Risk Assessment and Treatment, The Institutes, Malvern, PA.

6. **D**

Porter's value chain model considers the following to be primary activities: Inbound logistics, Operations, Outbound Logistics, Marketing and Sales, and Service.

Reference: Porter, Michael. Competitive Advantage, Free Press, New York, NY, 1985.

Domain B: Designing Organizational Risk Strategies

7. **B**

The appropriate risk management strategy aligns with the organization's internal resources and support

Reference: Chapman, Robert. Simple Tools and Techniques for Enterprise Risk Management, 2nd ed., John Wiley & Sons, Ltd, London, 2011.

8. **A**

Success measures can only be defined if one understands the strategy's goals and objectives.

Reference: Moeller, Robert. COSO Enterprise Risk Management, John Wiley & Sons, Inc., Hoboken, NJ.

9. **C**

The design of the risk management framework should facilitate the integration of the risk management process into decision-making and the overall management of the organization.

Reference: International Organization for Standardization. Risk Management – Guidelines (ISO Standard No. 31000:2018).

10. **C**

Communicating with stakeholders is done via one of two channels, depending on whether the audience is internal or external.

Reference: Fraser, J. and Simkins, B.J., Enterprise Risk Management, 1st ed., John Wiley & Sons, Inc., Hoboken, NJ.

Domain C: Implementing Risk Process

11. **D**

Insurance placement is considered risk treatment—not analysis.

Reference: Chapman, Robert. Simple Tools and Techniques for Enterprise Risk Management, 2nd ed., John Wiley & Sons, Ltd, London, 2011.

12. **D**

Operations and plans should be examined to ensure appropriate integration and coordination.

Reference: Fox, C. and Seigel, M., ANSI/ASIS/RIMS RA 1. Risk Assessment, ASIS & RIMS, New York, 2015.

13. **C**

Evaluating the inventory of risks and monitoring internal audit reports are risk identification activities, not advising on risk management.

Reference: Moeller, Robert. COSO Enterprise Risk Management, John Wiley & Sons, Inc., Hoboken, NJ.

14. **B**

STEEP is one traditional method used in strategic planning and has five sectors (Social, Technological, Economic, Environmental, Political).

Reference: Strategic Risk Management Development Council. RIMS Strategic Risk Management Implementation Guide, RIMS, New York, NY.

15. **A**

The criteria for assessing the acceptability or otherwise of risks is usually set prior to the evaluation commencing, and should reflect the organization's risk context, tolerance, appetite, and the views of stakeholders.

Reference: International Organization for Standardization. Risk Management – Guidelines (ISO Standard No. 31000:2018).

Domain D: Developing Organizational Risk Competency

16. **D**

Thinking through a process: identify needs, develop, validate, schedule, and conduct.

Reference: International Organization for Standardization. Risk Management – Guidelines (ISO Standard No. 31000:2018).

17. **A**

There are many things that a risk management professional can recommend. Requirement of strong passwords and the necessity to change them on a periodic basis will help to protect the organization.

Reference: Cabrera, Ed, "Protecting Critical Infrastructure from Cyberattack", Risk Management Magazine, October 3, 2016.

18. **A**

Option B is defined as risk target; Option C is risk capacity; and Option D is the risk culture of an organization.

Reference: RIMS Executive Report, Exploring the Risk Committee Advantage, RIMS, New York, NY, 2015.

Domain E: Supporting Decision Making

19. **D**

Of the response options available, D is the best choice.

Reference: Elliott, Michael. Risk Assessment and Treatment, The Institutes, Malvern, PA.

20. **A**

Determination of the COR is the primary measure used by many organizations to gauge effectiveness.

Reference: Elliott, Michael. Risk Financing, The Institutes, Malvern, PA.

21. **B**

When a heat map is used in workshops to assess the risks by individual managers, the discussions can be enhanced to see how risks in one part of the organization impacts another part of the organization. The resulting heat map can also be used to communicate the risk assessment to senior management, audit committees, and boards of directors. The heat map also enables a business conversation about mitigation alternatives.

Reference: Elliott, Michael. Risk Assessment and Treatment, The Institutes, Malvern, PA.

22. **B**

The definition is deliberate in its breadth. A decision-support tool may be a human method, an automated system, or a hybrid of the two, and it may inform, influence, or execute. Options A, C, and D each describe a characteristic some tools have, but none defines the category.

Reference: RIMS-CRMP Examination Blueprint, Task E.3.

23. **C**

Oversight is set proportionally to how independently the tool decides and how much the decision matters. Acquisition cost, user count, and time in service do not determine the controls a tool requires.

Reference: RIMS-CRMP Examination Blueprint, Task E.3.

24. **C**

A decision may be delegated to a tool, but the accountability for it may not. Establishing an owner and decision rights is the step that makes this concrete, and it is why an unassigned tool is a governance failure regardless of how well it performs.

Reference: RIMS-CRMP Examination Blueprint, Task E.3.



Practice Questions

- 22. A
- 23. A
- 24. A
- 25. A
- 26. C
- 27. C
- 28. A
- 29. B
- 30. D
- 31. D
- 32. B
- 33. B
- 34. A
- 35. C
- 36. B
- 37. D
- 38. C
- 39. A
- 40. C
- 41. D
- 42. B
- 43. B
- 44. B
- 45. A
- 46. C

Disclaimer

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