**OMG-OCSMP-MBF200 Exam Overview**

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| **Exam Number** | OMG-OCSMP-MBF200 |
| **Exam Duration** | 105 minutes in English-speaking countries (exception: city of Quebec) and 135 minutes in all others. |
| **Exam Fee** | US$250 (or local equivalent) in English-speaking countries (exception: city of Quebec) and US$260 (or local equivalent) in all others. |
| **Exam Type** | Multiple choice (text and SysML diagrams) |
| **Exam Pass Score** | >=60 of 90 questions answered correctly (>=67%) |
| **Exam Prerequisite(s)** | Passing score on the OCSMP Model User Exam. |
| **Exam Specifications** | **Systems Modeling Language (SysML) v1.6**: Use solely as a reference. |
| **Recommended Exam Study Guides** | ***A Practical Guide to SysML: The Systems Modeling Language, 3rd Edition* (Friedenthal, Moore and Steiner)**: Chapters 3 (Getting Started with SysML) and 4 (An Automobile Example Using the SysML Basic Feature Set). All authors contributed to the SysML specification. |
| | ***Systems Engineering with SysML/UML: Modeling, Analysis, Design* (Weilkiens)**: The author contributed to the SysML specification. |
| | ***SysML Distilled: A Brief Guide to the Systems Modeling Language* (Delligatti)** |
| | ***SysML for Systems Engineering* (Perry)**: The author contributed to the SysML specification. |
| **Additional Reading** | ***The OMG SysML Tutorial*** |
| | ***Simulation-Based Design Using SysML: Part 1: A Parametrics Primer* (Peak)**: Four authors contributed to generating this exam. |
| | ***MBSE Practices in Telescope Modeling* (Weilkiens)** |
| | ***Hybrid SUV Example (SysML v1.2)*** |
| | ***OMG SysML Website*** |
| | ***Cookbook for MBSE with SysML***: Use solely as a reference. |
| | ***SysML Notations and Conventions*** |
| | ***Model-Based Systems Engineering (MBSE) with the Systems Modeling Language (SysML) (Wolfrom)*** |
| **Exam Training Options (not required)** | **Delligatti Associates, LLC (USA: 5-day course)** |
| | **Intercax with Georgia Institute of Technology (USA)** |
| | **Mithun (Netherlands: 4-day course)** |
| **Exam Voucher Program** | Visit the **Pearson VUE Voucher Store** for a 10% discount/10 vouchers or contact **certificationinfo@omg.org** or call **+1-781-444-0404 Ext. 144** for a 15% discount/25 vouchers, a 20% discount/50 vouchers and a 25% discount/100+ vouchers. Vouchers can be transferred. Vouchers expire one year after purchase. **Contact Pearson VUE** to honor a previously purchased voucher price. |
| **Exam Registration** | **Pearson VUE**: create an account, locate a test center, view available tests, (re)schedule a test (online or at a test center), cancel your exam (contact Pearson VUE >=24 hours prior to exam for a full refund or you forfeit the full exam price), view exam scores and **Contact Pearson VUE**. |
| **Testing Accommodations** | If you have a hearing, learning, physical or visual disability you may contact us at **certificationinfo@omg.org** to provide instructions on testing accommodations. |
| **Online Exam Check-In & Requirements** | Visit **Pearson VUE Online Proctoring** for detailed info. Log in at least 30 minutes early (online verification may take 15-20 minutes). Late arrivals will not be allowed to take the exam. |
| **Test Center Check-In & Requirements** | Arrive at least 30 minutes early. Late arrivals will not be allowed to take the exam. Two forms of ID (at least one with photo and both with signature): alien registration card, bank card, credit card, employee badge, government issued, green card, military, passport, school and state ID. Do not bring any items (personal or otherwise) other than the two forms of ID to a test center. **Pearson VUE Test Center Coronavirus Guidelines** |

| Exam Languages | Offered in English. You cannot use a translating app during the exam. |
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| Review Your Answers | Before completing the exam you will be presented with a review screen to review your answers to all questions. |
| Exam Score Reports | Pass or fail, you will be provided with a score report on computer screen immediately following the exam whether on-site at test center or online. A hardcopy will be provided to you before leaving test center with your score in each major section. If you fail, you can review those sections where you scored poorly to assist you when you decide to retake the exam. You can also review your exam scores via your **Pearson VUE account**. |
| Certification Kit | Those who pass the exam will receive a certification kit within 4-6 weeks of taking the exam. The kit will include a certification letter, certificate, digital certification logo download instructions, **guidelines** and how to opt-into the **OMG Certified Professionals Directory**. Certifications are associated with individuals and not companies. |
| Lost Certificate | Contact **certificationinfo@omg.org** with your full name, mailing address and candidate ID number. Shipping costs will apply. |
| Updating Contact Information | You must first update your contact information via your **Pearson VUE account** and then contact **certificationinfo@omg.org** to update the **OMG Certified Professionals Directory**. |
| Certification Expiration | Your certification expires 5 years from the date you passed the exam. The same or a higher-level certification must be taken prior to the expiration date to extend a certification by 5 years. |
| Retaking the Exam | You can retake the exam 30 days after you last took the exam. However, an exam cannot be retaken more than 3 times within a 12-month period. The cost of a retaken exam is US$175 (or local equivalent) in English-speaking countries (exception: city of Quebec) and US$185 (or local equivalent) in all others. **Contact Pearson VUE** to request the exam retake discount. |
| Still Have Questions? | **certificationinfo@omg.org** |

**General Areas Tested in OMG-OCSMP-MBF200 Exam**

| THE MODEL | |
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| **Model Concepts**<br>What is a model?<br>Relationship between model and diagram. | 10% |
| **Organizing a System Model Using the Basic Set of SysML Constructs**<br>Building the model hierarchy.<br>Building a package diagram using the basic set of SysML constructs | 9% |
| **MODELING REQUIREMENTS** | |
| **Building a Requirements Model Using the Basic Set of SysML Constructs**<br>How system requirements are captured in the model.<br>Building a requirements diagram using the basic set of SysML constructs.<br>Requirements relationships to other model elements.<br>Representing requirements in tables and matrixes.<br>Building a use case model using the basic set of SysML constructs. | 16% |
| **MODELING STRUCTURE AND BEHAVIOR** | |
| **Building a Structural Model Using the Basic Set of SysML Constructs**<br>How system structure is captured in the model.<br>Building the block definition diagram.<br>Building the internal block diagram. | 22% |
| **Building a Parametric Model Using the Basic Set of SysML Constructs**<br>How system analyses are captured using constraints in the model.<br>Defining constraints on a block definition diagram. | 10% |

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| Building the parametric diagram using the basic set of SysML constructs. | |
| **Building a Behavioral Model Using the Basic Set of SysML Constructs**<br>How system behavior is captured in the model.<br>Building an activity diagram using the basic set of SysML constructs.<br>Building a sequence diagram using the basic set of SysML constructs.<br>Building a state machine diagram using the basic set of SysML constructs. | 24% |
| **CAPABILITIES AND FEATURES** | |
| **Allocation Relationships**<br>Allocation Relationships | 4% |
| **Customizing a model**<br>When to use a stereotype.<br>Applying a stereotype (but not creation of profiles or stereotypes). | 4% |
| **Total** | **100%** |