Aspen RMS™ Study Guide
Study Guide for **Expert** Level Certification

Prove your Credibility

An **Aspen RMS Expert Certified User in Dynamic Well Modeling** has the knowledge and practical skills required to use RMS as a simulation pre- and post-processor. They can import, quality-check, process, and export simulator control data, well completion data, and production data. They also possess a broad understanding of how to use RMS Well Planning and Field Planning tools to generate synthetic well data for predictive scenarios, as well as to model complex well configurations such as multisegment and multilateral wells.

Exam Scope for Aspen RMS User Certification (ACEU-RMS01)

- ☐ Data Import and Export
- ☐ Flow Model Events Creation and Configuration
- ☐ Profiles Data-Based Events
- ☐ Event Attributes, Visualization, and General Event Management
- ☐ Multisegment Well Model
- ☐ Event Dates and Timing
- ☐ Well Planning
- ☐ Workflow Management and Python Operations

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Step 1: Take the Class: **Dynamic Well Modeling using Aspen RMS** (RMS231) – 2 days

AspenTech offers a variety of delivery methods in which you can take training.
- Register for public training (face to face or virtual)
- Register for private training (face to face or virtual)
- Subscribe to eLearning (on-demand)

Step 2: Review Scope and Objectives

This study guide covers all the objectives for the Aspen RMS Dynamic Well Modeling Expert User Certification exam and serves as both a study tool and an on-the-job reference.

Step 3: Take the Exam: **Aspen RMS Dynamic Well Modeling Expert User Certification** (ACEU-RMS01)

The total time for the certification exam is three hours.
The passing score is 70%.

SCOPE	TECHNICAL CONTENT	COMPETENCY OBJECTIVE FOR ASPEN RMS
Data Import and Export	Importing and exporting consistent data from different sources	**Explain** the export functionality for Events
		Describe the import options for Events
		Identify options that apply to both import and export of Events
		List the available options for importing flow simulation results
		Identify the required data fields for importing MD-based perforations
		List the available import options for production data
		Understand the necessity of applying options to keep data consistency
		State the requirement for importing Events from a user-defined format
Flow Model Events Creation and Configuration	Creating grid cell - based Flow Model Events and applying options for consistency and quality assurance	**Distinguish** between MD-based and cell-index-based perforations
		Describe the functionality of creating Flow Model Events
		Locate the Zone Adjustment option in the Well data view
		Locate the Zone Adjustment option in the Events Table
		Identify the input data needed for creating Flow Model Events
		Recognize the Event properties available for modification
		Describe the QA functionality for perforation control events
		Identify common mistakes in the use of perforation control events
		Explain the role of 3D input when working with Flow Model Events
		Interpret the result of applying perforation control event criteria
		Explain how local grids affect Flow Model Events
Profiles Data-Based Events	Generating Events based on production data	**Describe** the available interpretation modes of Profiles data
		Explain duplicate-handling options when creating Events based on Profiles data
		Explain date-honoring options when creating Events based on Profiles data
		Interpret the result of applying options when creating Events based on Profiles Data
Event Attributes, Visualization, and General Event Management	Managing Event tables, editing attributes, and performing quality checks	**Identify** the visualization modes of Events and States
		Identify interactively editable columns in the Events Table
		Identify the objects that belong to Profiles Data
		Understand the options available for working with Events attributes
		Define the correct hierarchy for GMEMBER events
		Describe the QA functionality for GMEMBER events
		List the various methods for creating Events
Multisegment Well Model	Defining multisegment well models and working with multilateral wells	**Identify** the discretization type for a multisegment well model
		Explain how multisegment well definitions differ when local grid refinements (LGRs) are used
		List the necessary data for creating a well segment model
		Identify multilateral wells in the Data Tree
		Distinguish between parent wellbores/trajectories and child wellbores/trajectories

Event Dates and Timing	Modifying Event dates for future scenarios	**Differentiate** Events and States at different time steps
		Compare the options available when working with event dates
		Explain the effect of unselected event owners in Shift Event Dates
		Understand the functionality of the Copy Events job
Well Planning	Designing well targets and planned wells using field planning tools	**State** the default settings when working with well data
		Identify the default reference settings for offshore and onshore setups
		Understand the options available for creating targets
		Define the target axis model in well planning
		Identify the elements of a planned well setup
		Recognize the types of target groups available
		Understand the quality control tools in well planning
		Understand the options available for field planning and automated target generation
Workflow Management and Python Operations	Workflow automation	**Choose** the correct option when working with RMS jobs
		Explain the options available for complex workflows
		Understand the options available for Python operations with Events