Aspen Geolog™ Study Guide
Study Guide for Certification

Prove your Credibility

An Aspen Geolog Certified User has the foundational knowledge and practical skills needed to prepare, display, and edit well data to address a variety of scenarios. They demonstrate a solid understanding of the Geolog project structure and file system, along with proficiency in project and well data management. Certified users are skilled in data presentation, manipulation, as well as the processing of multiple wells.

Exam Scope for Aspen Geolog Essentials User Certification Exam (ACU-GEO01)

- □ Geolog Scope and History
- □ Software Environment Configuration
- □ Project Management and Data Loading/Export
- □ Displaying and Formatting Well Data in a Layout
- □ Displaying, Formatting, and Processing Well Data

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Step 1: Take the Class: Essentials for Performing Log Analysis Using Geolog (GEO101) – 3 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 Geolog User Certification exam and serves as both a study tool and an on-the-job reference.

Step 3: Take the exam: Aspen Geolog Essentials User Certification (ACU-GEO01)

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

SCOPE	TECHNICAL CONTENT	COMPETENCY OBJECTIVE
Geolog Scope and History	Common Platform	**Understand** Geolog scope and users
	Applications	**Outline** the software's applications in the **industry**
	Operating System	**Identify** compatible platform(s)
Software Environment Configuration	Geolog Design	**Understand** Geolog modular **package** and associated **functionalities**
	Functional components	**Define** what is an **MDI** application
	Configurations	**Understand** Geolog configurations
	Level Structure	**Describe** different levels in Geolog
	Environment Variable	**Understand** how environment variables in the Geolog startup script affect the behavior of running applications
		Identify valid project **unit** system environment
		Describe how to modify files using the Configuration Editor, how to save them, and where they will be stored
		Understand the **searchlist** and the standard order of search for folders at **different levels**
		Identify if the standard order of search can be modified
Project Management and Data Loading/Export	Project Creation and Setup	**Specify** what is required to create a **new Project** when running Geolog on **Standalone** machine
		Understand all the mandatory rules when creating a **Project Name**
		Understand how a project appears in the **Project Select** window
		Describe how **PG_UNIT_SYSTEM** environment variable is sourced when opening a project with **no** unit environment set at **project level**
	Importing and Exporting Data	**Understand** how different Well data **import** and what **edits** can be made at import level
		Understand features and options available in **File Exporter** and **identify** export data formats
		Explain how to copy data between projects using **Project Application**

SCOPE	TECHNICAL CONTENT	COMPETENCY OBJECTIVE
		Understand features and options available in the **Project application Text Importer**
	Primary Well Identifier	**Recognize** Primary Well Identifiers and how they are set
	Non-ASCII pdf report	Understand **non-ASCII file format** report generation
Displaying and Formatting Well Data in a Layout	Layout Tracks, Scaling and Appearance	**Understand** how vertical scaling is controlled in the layout view
		Explain how depth ranges are defined in Geolog
		Identify different types of tracks and how these tracks are displayed
		Explain how hidden text is displayed on header layout
		Display Artist images and learn how to insert multiple images in the layout footer for a single well
		Edit properties for each track and **change** the appearance of logs/tracks
		Understand how search for aliases of log names is performed in Geolog
		Identify the applications and features of the appearance menu
		Understand how lithology log is displayed in the layout view and how mineral compositions are characterized using percentages
	File Extensions	**Describe** the importance of file extensions and the storage locations for each file type
Displaying, formatting, and Processing Well Data	Mapsheet View	**Create** a color counter using the tools in the Mapsheet View
	Geolog Applications and Views	**Locate** Text View and **Understand** its features and tools
		Display Frequency plot in separate Intervals
		Understand the fundamental differences between Well Application and Project Application
	Macro Recording	**Understand** the process of recording, editing and playing a macro to automate workflows
	Data types, sampling and interpolation	**Distinguish** between different interpolation types and their applications
		Understand how interpolation types are displayed in sets

SCOPE	TECHNICAL CONTENT	COMPETENCY OBJECTIVE
		Describe how the Change Sampling Tool is used, along with its features and capabilities
		Understand how to identify the active view and how it can impact the available tools
	Graphical Layout Tools	**Edit** data using the Merge Tool and **Understand** its applications
		Understand how to graphically depth shift data in the Layout View
	Data types, sampling and interpolation	**Recognize** the importance of data types and **Understand** how Alpha Logs can be manipulated
		Display data in a frequency view
	Log Versions	**Explain** how Geolog labels, and saves the new version of each log
	Graphical Layout Tools	**Describe** how a new set could be created using the Picks Tool in the Layout View
	Saving views	**Understand** how and where Layouts are saved and stored
	Mapsheet View	**Specify** where you can access a Mapsheet from
		Identify the purpose and application of Z posting and Z coloring tools