

# Autodesk RVT\_ELEC\_01101資格試験 & RVT\_ELEC\_01101 PDF問題サンプル



AutodeskのRVT\_ELEC\_01101認定試験を受けることを決めたら、MogiExamがそばにいて差し上げますよ。MogiExamはあなたが自分の目標を達成することにヘルプを差し上げられます。あなたがAutodeskのRVT\_ELEC\_01101「Autodesk Certified Professional in Revit for Electrical Design」認定試験に合格する需要を我々はよく知っていますから、あなたに高品質の問題集と科学的なテストを提供して、あなたが気楽に認定試験に受かることにヘルプを提供するのは我々の約束です。

## Autodesk RVT\_ELEC\_01101 認定試験の出題範囲:

| トピック   | 出題範囲                                                                                                                                                                                                                                    |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| トピック 1 | <ul style="list-style-type: none"><li>モデリング: このセクションでは、電気設計者のスキルを評価し、Revit内での電気要素の作成と管理について学習します。パネルボードや変圧器などの電気機器の追加、回路や低電圧システムの設定、システムブラウザを使用したナビゲーションなどが含まれます。また、適切な設定とフィッティングを用いて、導管、ケーブルトレイ、配線などの接続ジオメトリをモデリングする能力も必要です。</li></ul> |
| トピック 2 | <ul style="list-style-type: none"><li>解析: このセクションでは、電気技師のスキルを評価し、Revitでの解析タスクの実行に重点を置きます。負荷計算、概念的な照明解析、負荷分類と需要係数に基づいた電気設定の構成などが含まれます。受験者は、Revitの解析ツールを用いて適切な電気設計性能とエネルギー効率を確保する能力を示す必要があります。</li></ul>                                  |

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| トピック 3 | <ul style="list-style-type: none"> <li>ドキュメント作成: このセクションでは、Revit技術者のスキルを評価し、ビュー、テンプレート、スケジュールを操作して正確なドキュメントを作成する方法を網羅します。パネルスケジュールの管理、凡例、吹き出し、3Dビューなどの様々なビュータイプの作成、フェーズ管理とリビジョン管理の適用などが含まれます。また、タグ、キーノート、ノートブロックなどの注釈ツールの使用もテストされ、プロジェクトドキュメントの明確さと一貫性を確保します。</li> </ul>                  |
| トピック 4 | <ul style="list-style-type: none"> <li>ファミリー: このセクションでは、BIMモデラーのスキルを評価し、Revitファミリーの作成と編集に焦点を当てます。MEPコネクタの定義、システムおよびコンポーネントファミリータイプの理解、ファミリーカテゴリの設定、光源の設定などが含まれます。また、パラメータの作成、注釈ファミリーの設定、要素の表示制御など、電気プロジェクト全体で効果的なカスタマイズと再利用を実現するためのスキルも評価されます。</li> </ul>                                 |
| トピック 5 | <ul style="list-style-type: none"> <li>コラボレーション: このセクションでは、プロジェクトコーディネーターのスキルを評価し、Revitにおけるコラボレーションワークフローを網羅します。インポートおよびリンクされたファイルの操作、ワークシェアリングコンセプトの管理、干渉チェックの使用などが含まれます。また、コピー/モニターツールによるデータ連携、異なる形式へのエクスポート、設計オプションの管理、そして共有環境における効果的なチームワークを実現するためのプロジェクト標準の転送についても評価されます。</li> </ul> |

>> Autodesk RVT\_ELEC\_01101資格試験 <<

## RVT\_ELEC\_01101 PDF問題サンプル、RVT\_ELEC\_01101日本語版復習資料

MogiExamのAutodeskのRVT\_ELEC\_01101試験トレーニング資料は豊富な経験を持っているIT専門家が研究したものです。君がAutodeskのRVT\_ELEC\_01101問題集を購入したら、私たちは一年間で無料更新サービスを提供することができます。もしAutodeskのRVT\_ELEC\_01101問題集は問題があれば、或いは試験に不合格になる場合は、全額返金することを保証いたします。

## Autodesk Certified Professional in Revit for Electrical Design 認定 RVT\_ELEC\_01101 試験問題 (Q42-Q47):

### 質問 # 42

Exhibit.

An electrical designer is working within a workshared electrical model. The designer reloads the linked architectural model and receives the message as shown in the exhibit. What does this message indicate?

- A. There is a new coordination message within the architectural model.
- B. A monitored element in the architectural model has changed.
- C. An element's host within the architectural model has changed.
- D. There is a new interference with the architectural model.

正解: B

解説:

The warning message shown - "Instance of link needs Coordination Review" - appears when Revit detects a modification in a monitored element within a linked model, typically during a coordination workflow between architectural and MEP (electrical, mechanical, plumbing) disciplines.

According to the Revit MEP User's Guide (Chapter 46 "Copy/Monitor and Coordination Review"):

"When a monitored element changes in the linked model, Revit displays a warning message indicating that the instance of the link needs Coordination Review. You can use the Coordination Review tool to accept, reject, or postpone the change." This mechanism ensures synchronization between linked models. For example, if the architectural ceiling or wall that hosts electrical elements (such as lighting fixtures or devices) is modified, moved, or deleted, Revit triggers this alert in the workshared MEP model.

The Smithsonian Facilities Template Guide further emphasizes:

"Coordination Review identifies monitored elements whose hosts or geometry have changed in a linked model. The designer must

review these to maintain design consistency." Hence, the warning does not indicate a clash or interference (Option A), nor a coordination message created manually in the architectural model (Option B), but specifically a change in a monitored element in the linked architectural model (Option D).

References:

Autodesk Revit MEP User's Guide - Chapter 46 "Copy/Monitor and Coordination Review," pp. 1084-1088  
Smithsonian Facilities Revit Template User's Guide - Section 3.4 "Coordination Views," p. 86  
Autodesk Revit Electrical Design Essentials - Coordination Workflows and Monitoring Elements

### 質問 # 43

A project is almost at the end of design. The electrical designer needs to make sure electrical loads as reported by load summaries accurately reflect all modeled loads. How should a designer view a list of all modeled electrical connectors that are not connected to a circuit?

- A. Review the System Browser.
- B. Create a circuit schedule.
- C. Use the command **Show Disconnects**.
- D. Use the command Check Circuits.

正解: C

解説:

In Autodesk Revit Electrical Design, ensuring that all electrical connectors are properly connected to circuits is critical to obtaining accurate load summaries and panel schedules. When nearing project completion, designers must confirm that every load (e.g., lighting fixture, power receptacle, or equipment) is associated with a circuit.

The Show Disconnects command is specifically designed to identify any electrical components whose connectors are not associated with a circuit or power system.

According to the Autodesk Revit MEP User's Guide (Chapter: Electrical Systems - Checking Electrical Circuits):

"The Show Disconnects tool allows designers to visually identify elements in a project that contain electrical connectors not currently assigned to any circuit. Using this tool, Revit highlights unconnected components, helping to ensure load summaries and panel schedules accurately reflect all modeled elements." The command is found under Analyze tab > Electrical panel > Show Disconnects. It highlights any devices-such as lighting fixtures, receptacles, or equipment-that are not circuited, enabling correction before final load calculations are performed.

Other options explained:

A . Check Circuits: Verifies that existing circuits are complete, but it does not identify unconnected components.

B . System Browser: Lists systems hierarchically but does not flag disconnected devices.

C . Circuit Schedule: Displays circuit data only for connected components.

Hence, to identify unconnected elements before finalizing design documentation, the correct tool is Show Disconnects.

References:

Autodesk Revit MEP 2011 User's Guide, Chapter 45: Analyzing Electrical Circuits, pp. 1034-1036.

Autodesk Revit 2020 Help, "Show Disconnects - Identify Elements Not Assigned to Circuits."

### 質問 # 44

An electrical designer is trying to adjust the scale of a view. All icons on the View Control Bar are dimmed (not enabled). How should the designer make the view scale editable only for this view?

- A. Set the view template to <None>
- B. Right-click on the scale and select <Activate>.
- C. Edit the assigned view template.
- D. Duplicate the view with Detailing.

正解: A

解説:

When all icons on the View Control Bar are dimmed (disabled), including the View Scale, it typically means the view is being controlled by a View Template. View templates apply standardized settings-such as scale, discipline, detail level, and more-across multiple views to ensure consistency. However, these templates can lock certain parameters, including the view scale, preventing manual changes.

According to Revit Electrical Design standards:

"If a view is governed by a View Template, properties such as view scale may be locked and appear dimmed in the View Control

Bar. To regain control and allow changes like adjusting the view scale, the view template must be removed. This is done by setting the View Template to <None> in the Properties Palette." Steps:

Select the view in question.

Open the Properties Palette.

Locate the View Template parameter.

Set it to <None>.

Now the View Control Bar becomes active and the scale can be changed freely.

Clarification of Other Options:

B (Edit the assigned view template): Changes apply to all views using that template, not just the one.

C (Duplicate the view with Detailing): Creates a copy but doesn't resolve template restrictions.

D (Right-click on the scale and select <Activate>): This is not a valid method in Revit.

Reference:

This explanation aligns with the View Template behavior documented in Revit MEP and Electrical modeling workflows.

#### 質問 # 45

An electrical designer receives an architectural model and links it into the electrical model.

The designer wants to use the Copy/Monitor tool to copy the exact electrical fixtures created by the architect.

The designer also wants the software to automatically detect new electrical fixtures added to the architectural model.

Select the correct coordination settings from the drop-down lists

□

正解:

解説:

□

#### 質問 # 46

Refer to exhibits.

□

(The image is presented in Imperial units: 1 In = 25 mm (Metric units rounded].) An electrical designer creates a lighting fixture family with the following types and then saves the family.

- A. 0
- B. 1
- C. 2
- D. 3

正解: A

解説:

In Autodesk Revit, each type within a family represents a unique combination of parameters such as size, voltage, photometric properties, and construction configuration. When a family is created in the Family Editor, the designer can define multiple Family Types using the Family Types dialog. This interface allows the user to duplicate, rename, or modify type parameters before loading the family into a project.

In the exhibit, the Type Name dropdown list clearly shows two available lighting fixture types:

1x4 - 120

1x4 - 277

These two types appear to represent different voltage configurations of the same 1x4 light fixture format. Since these are the only types visible in the Family Types selection preview, the correct number of family types saved within the family file is two.

Revit's behavior aligns with standard family management described in documentation, which explains that every defined type is listed in the Family Types browser. When a designer saves a family, all defined types are stored and become available for placement in the project environment. Devices can then be selected based on parameters such as voltage or photometric values, which are often driven by electrical design requirements.

The Revit MEP User's Guide explains how type properties and family types are controlled:

"Selection of named items or elements [such as Family Types] are managed through the Properties and Family Types dialogs, allowing multiple variations to exist within a single family."

#### 質問 # 47

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**RVT\_ELEC\_01101 PDF問題サンプル:** [https://www.mogiexam.com/RVT\\_ELEC\\_01101-exam.html](https://www.mogiexam.com/RVT_ELEC_01101-exam.html)

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