

Analyzing Direct Material Costs

Overview - Identifying Material Cost Elements

The cost of materials used to complete a contract normally includes more than just the cost of the materials that actually become part of the product.

For example, the cost of the raw materials for the renovation of the Berent's dining hall facility includes not just the cost of the building materials but also the freight costs to ship them.

Types of materials costs include:

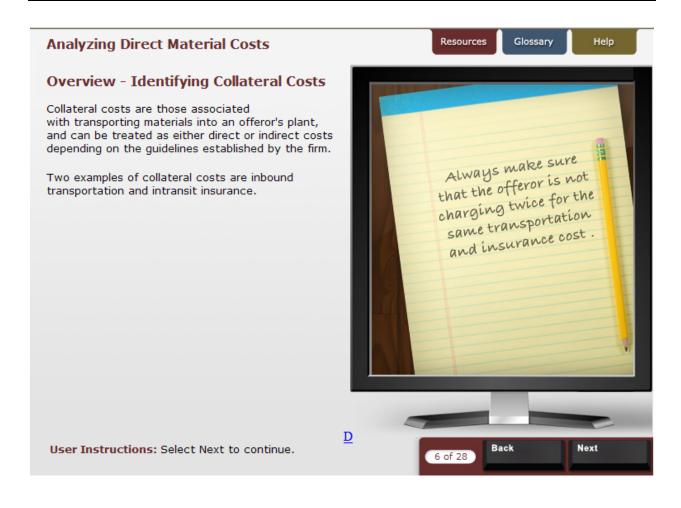
- Raw materials, parts, subassemblies, components, and manufacturing supplies that actually become part of the product
- · Collateral costs such as freight and insurance
- Related costs such as material that cannot be used for its intended purpose (e.g., overruns, spoilage, and defective parts)

Review FAR 31.205-26 to learn more.

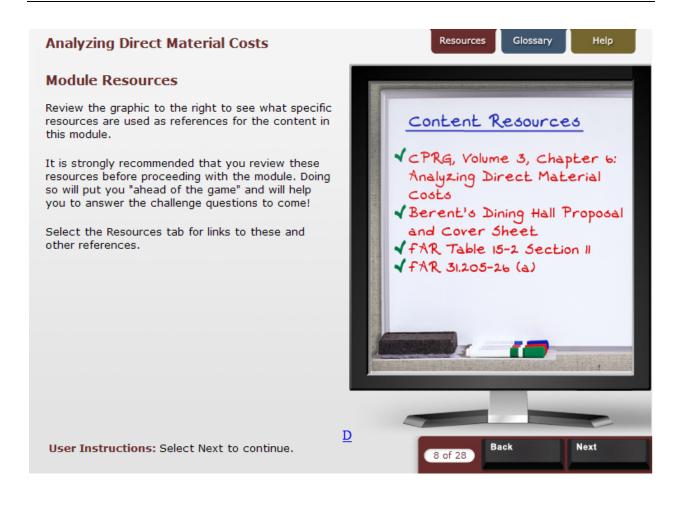
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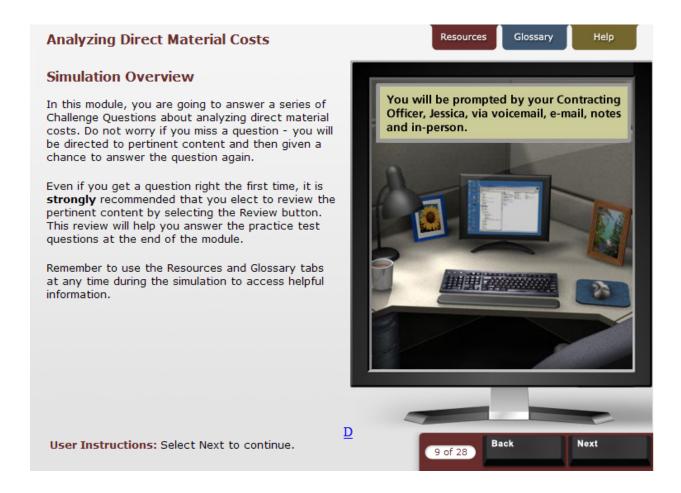




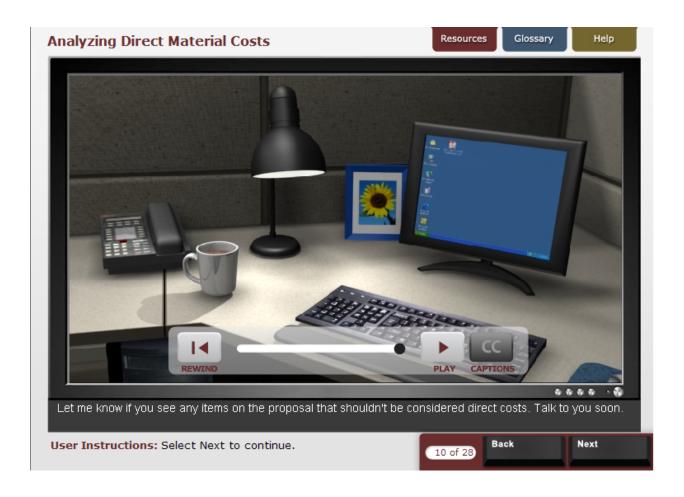


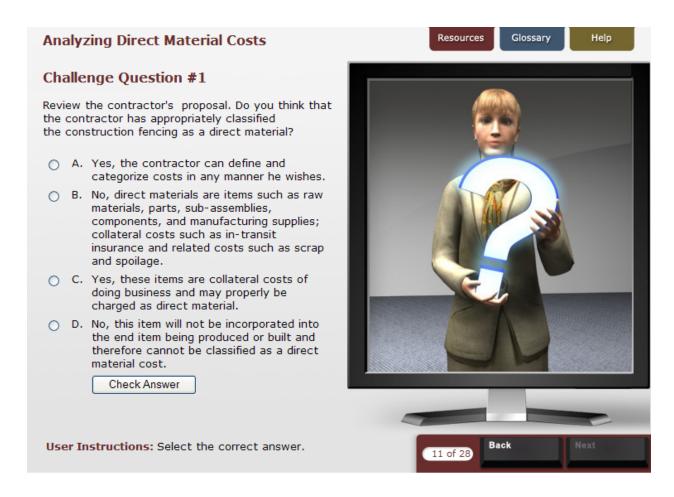


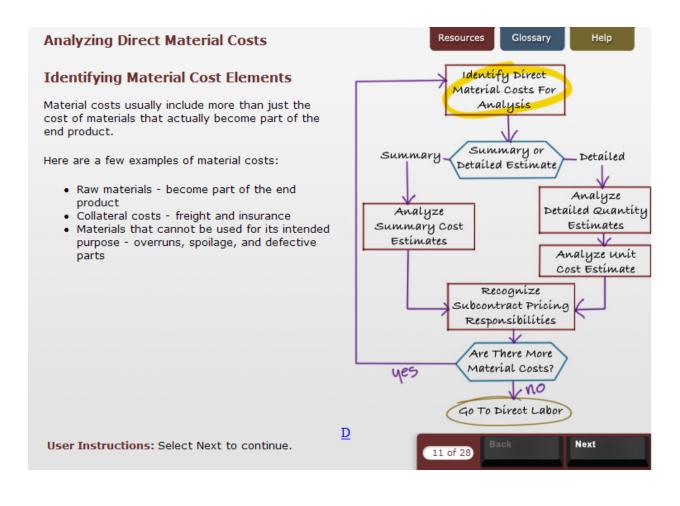


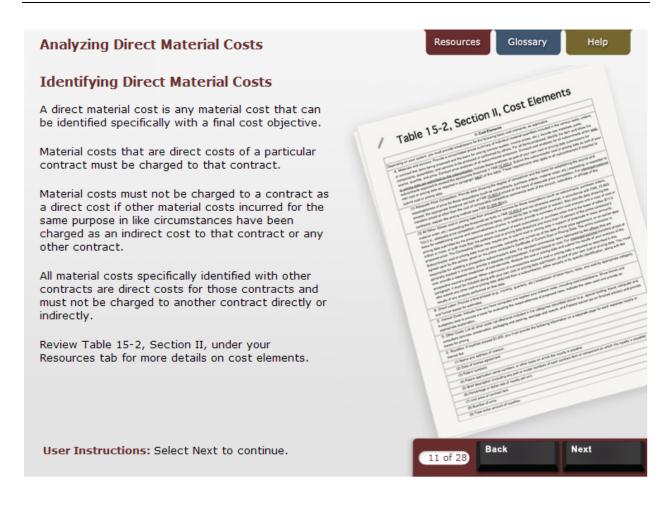




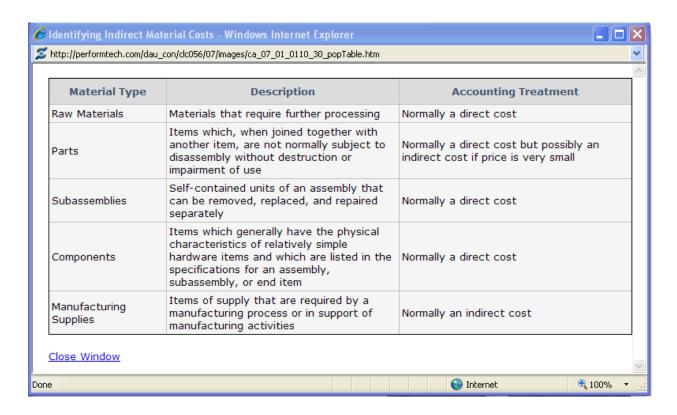












Analyzing Direct Material Costs

Identifying Collateral Costs

Collateral costs are expenses associated with getting materials into the offeror's plant. Inbound transportation and intransit insurance are two common examples.

Inbound transportation cost, also known as freightin expense, is the cost of transporting material to the place of contract performance.

This cost is allowable only if it is reasonable and should be included in any price quoted f.o.b. (free on board) destination.

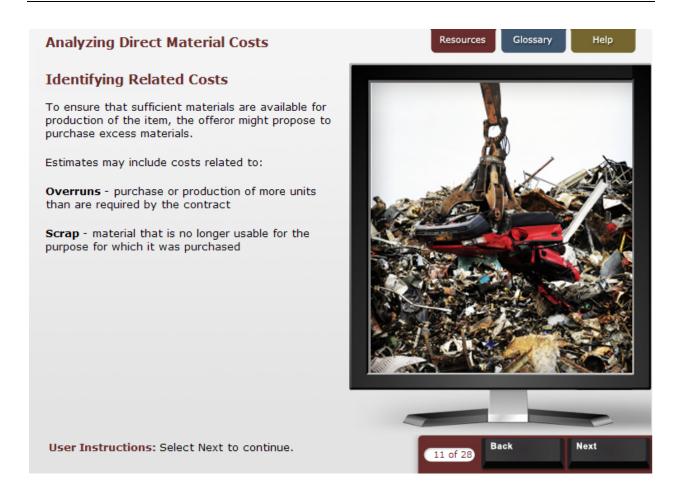
These costs may either be treated as direct costs or indirect costs depending on the guidelines established by the firm.

If treated as direct costs, they are normally tracked with the cost of the associated material item.

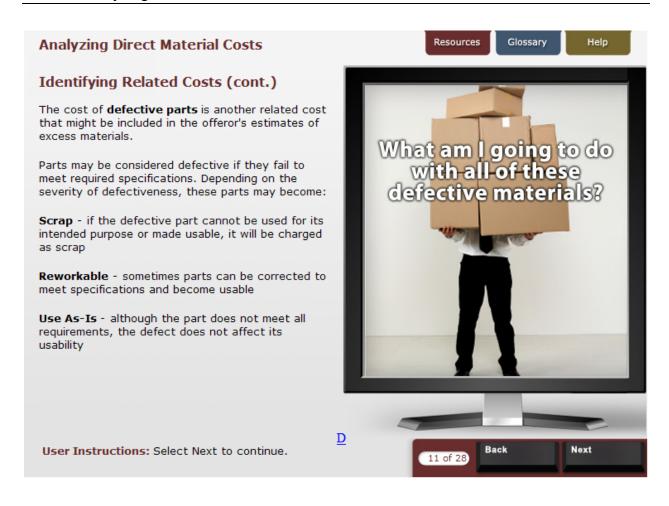
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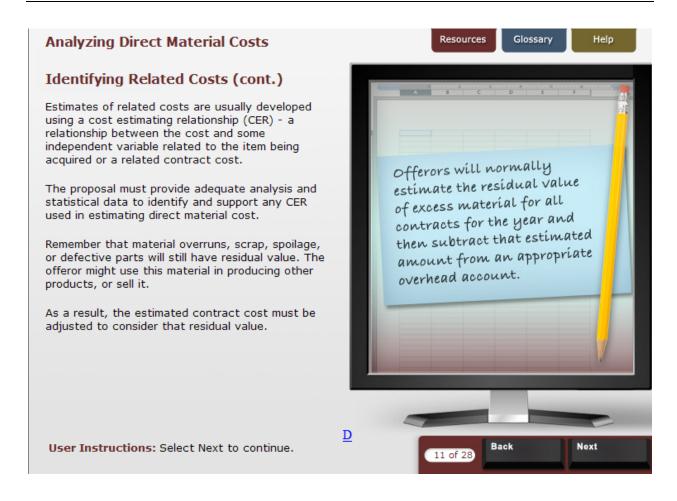


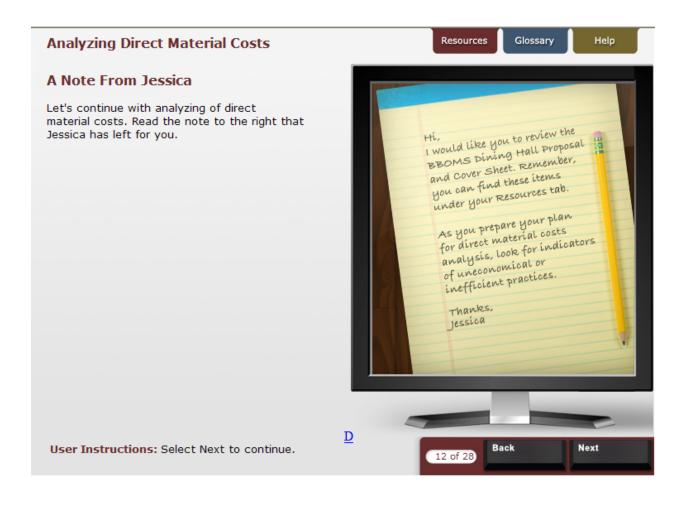


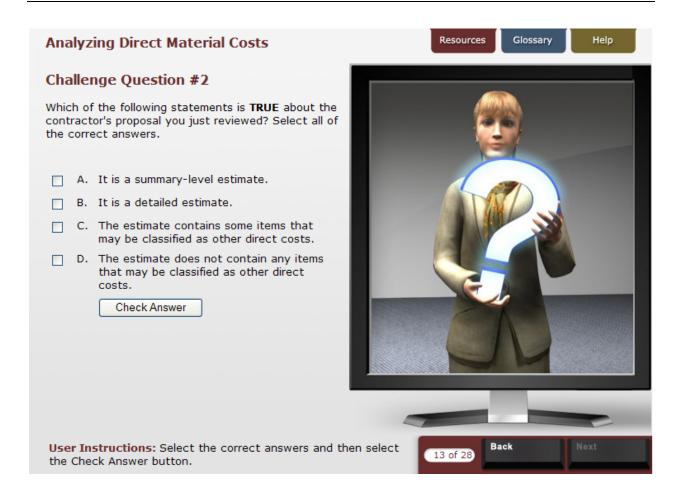


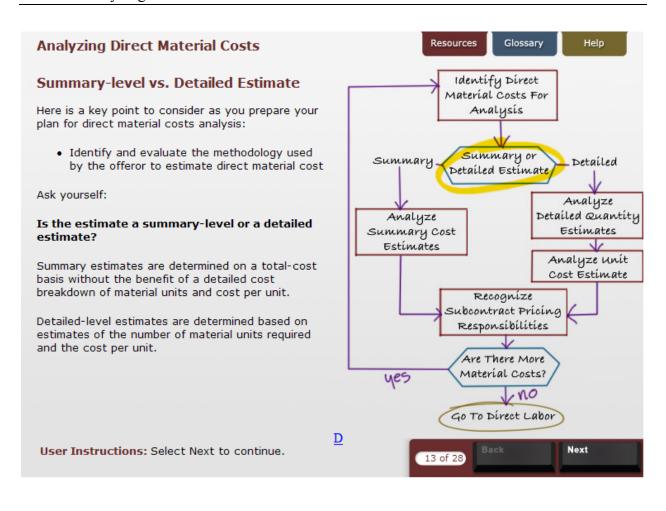




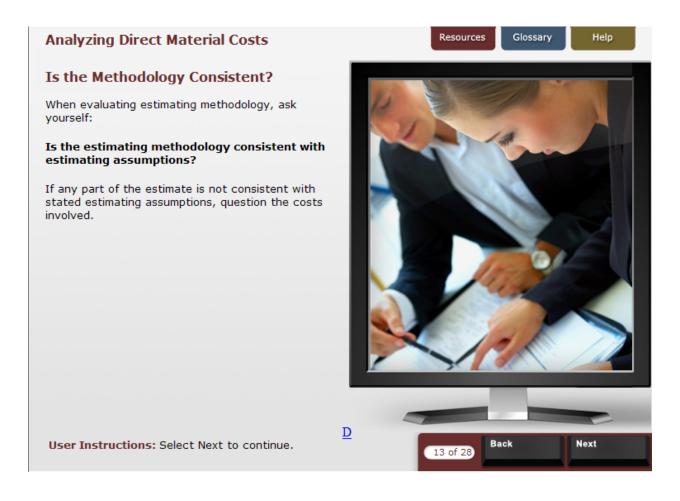


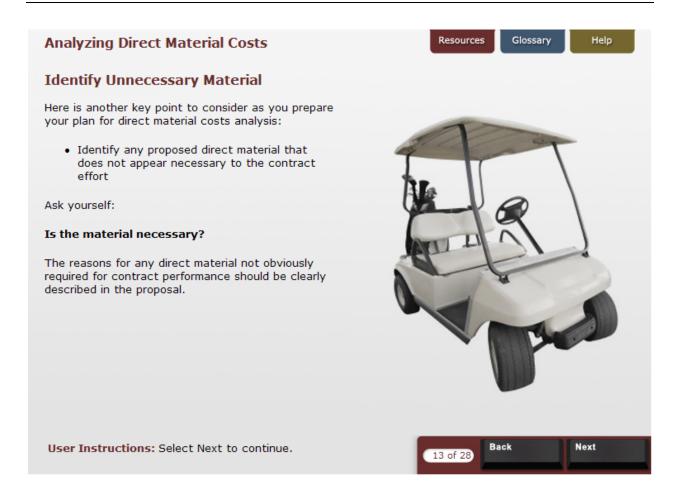


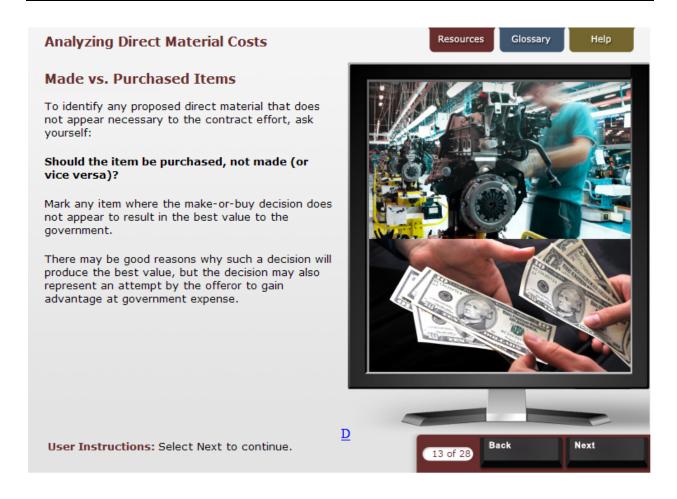


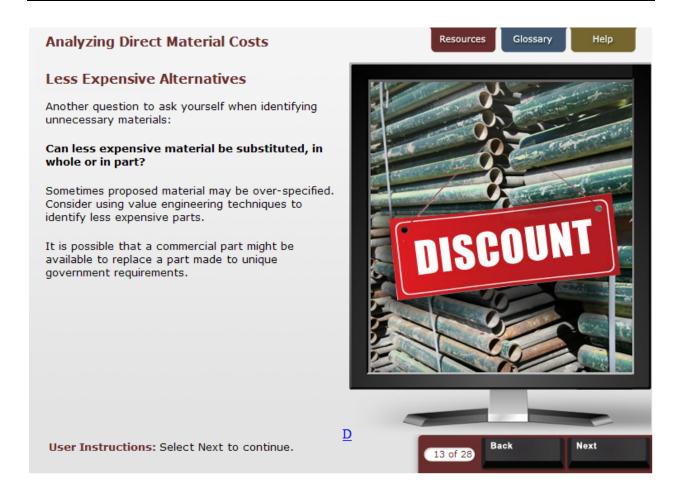






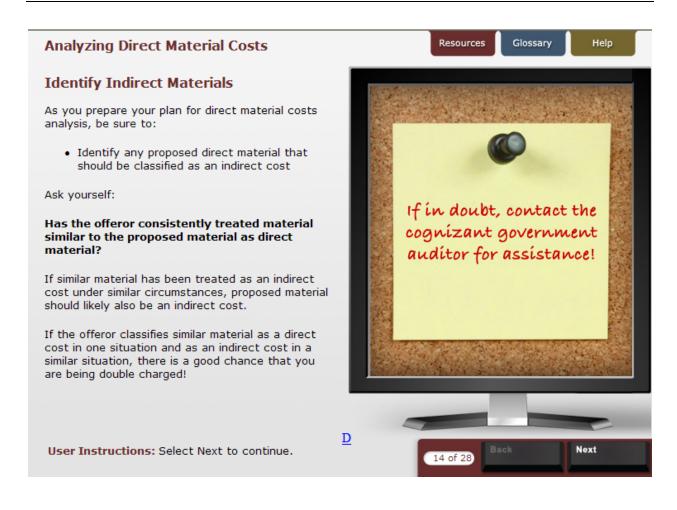


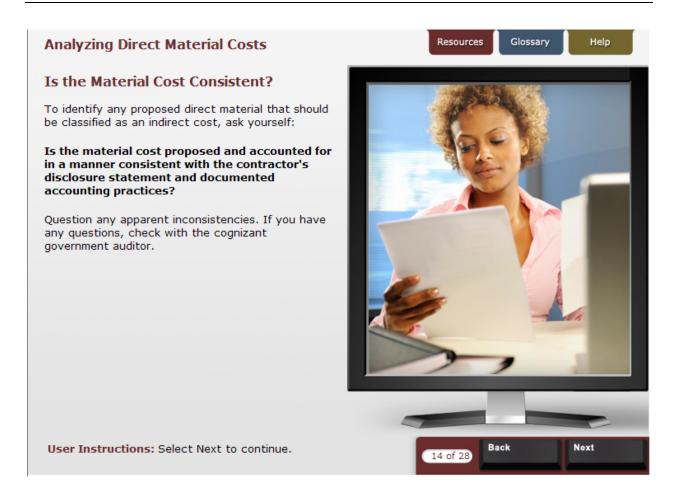












Analyzing Direct Material Costs

Identify Special Attention Costs

When planning for further analysis, consider the following key point:

 Identify any proposed direct material costs that merit special attention because of highvalue or other reasons

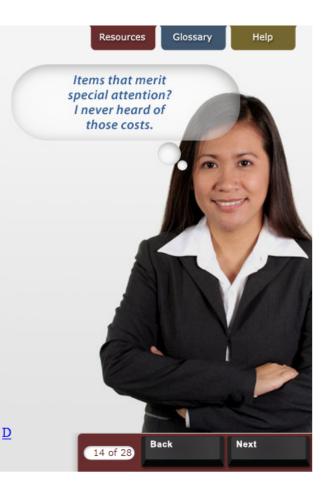
Ask yourself:

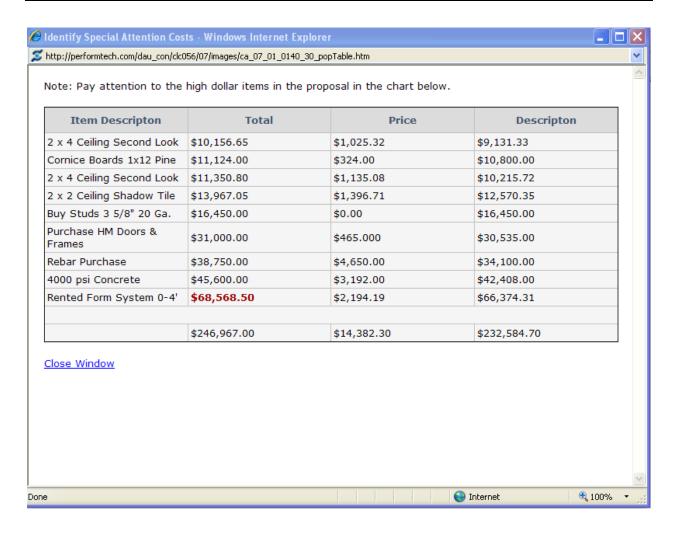
Is any material estimate a large portion of the entire material cost estimate?

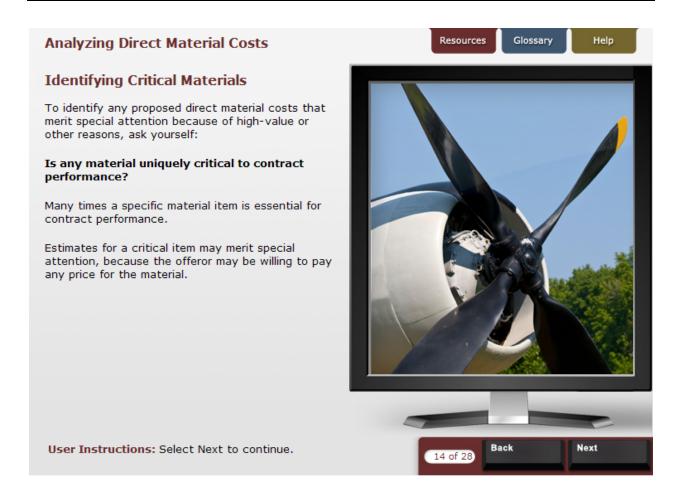
Many times a single estimate will be a large part of the entire estimate. That estimate will normally merit special attention because of the cost involved.

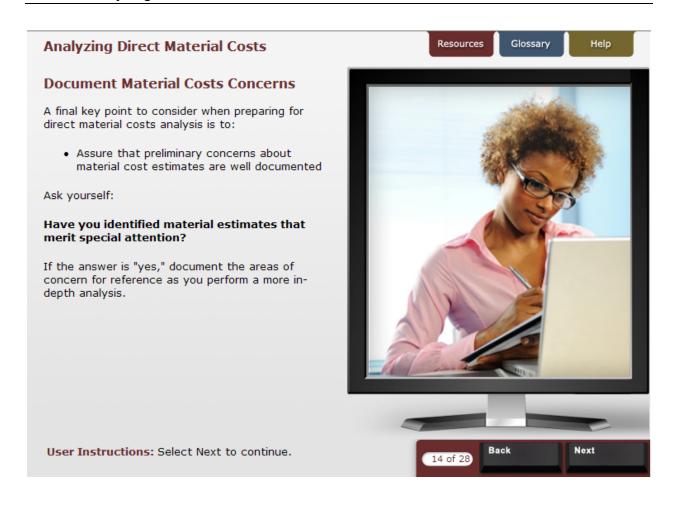
<u>Select here to view a chart that looks at items that merit special attention costs</u>. The purpose of this chart is to highlight the rented form system as a high dollar item.

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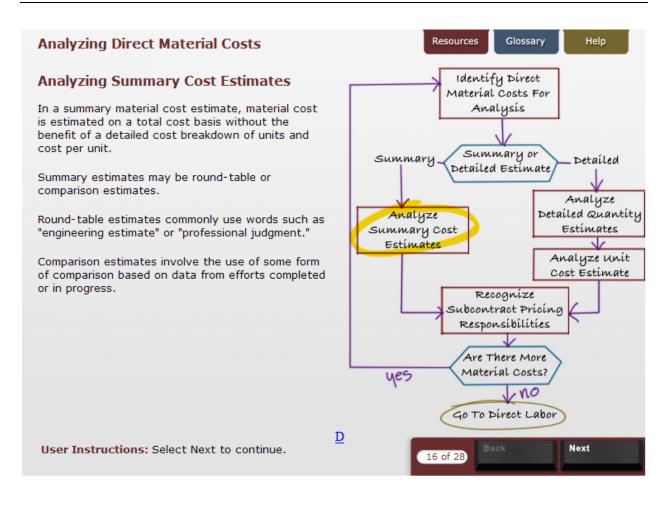


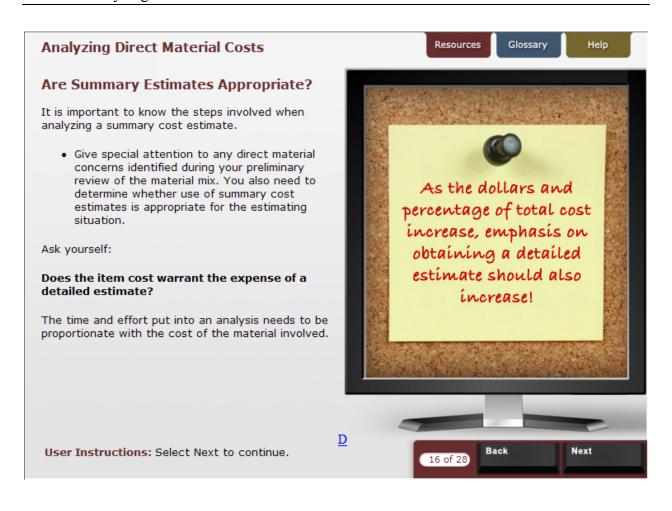


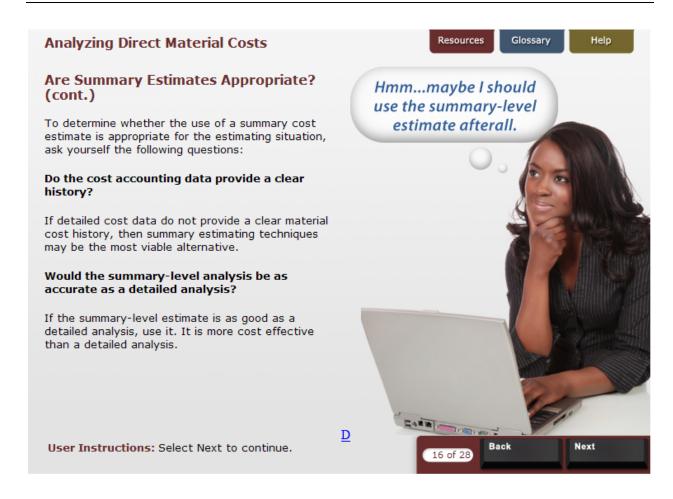












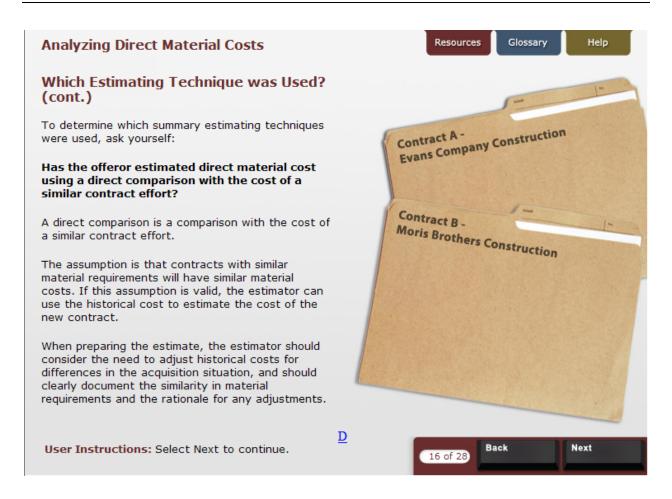
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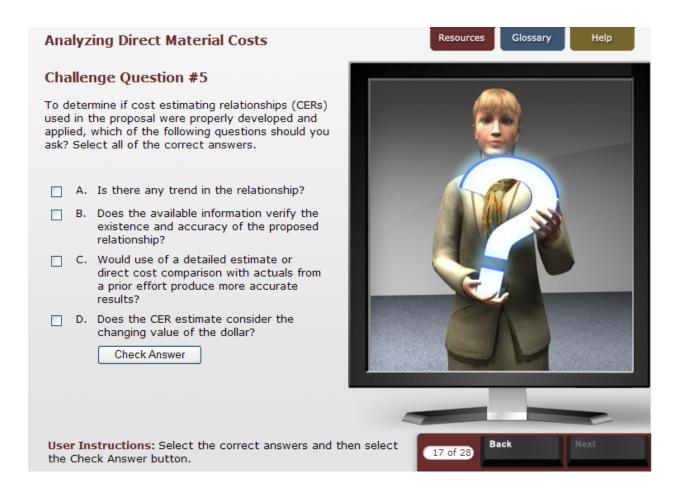


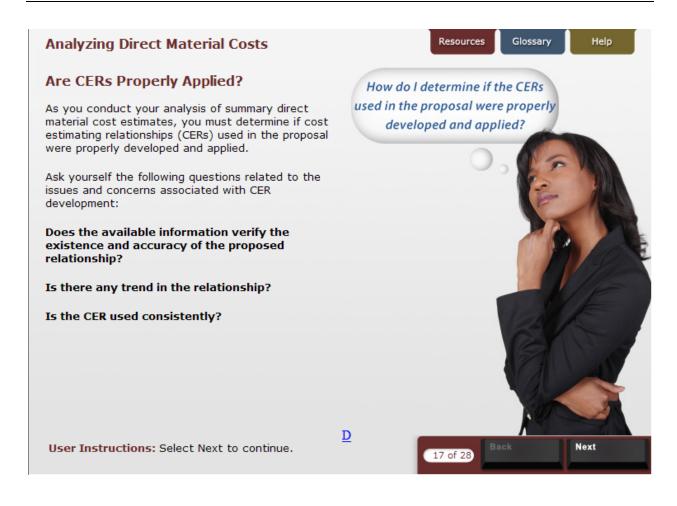
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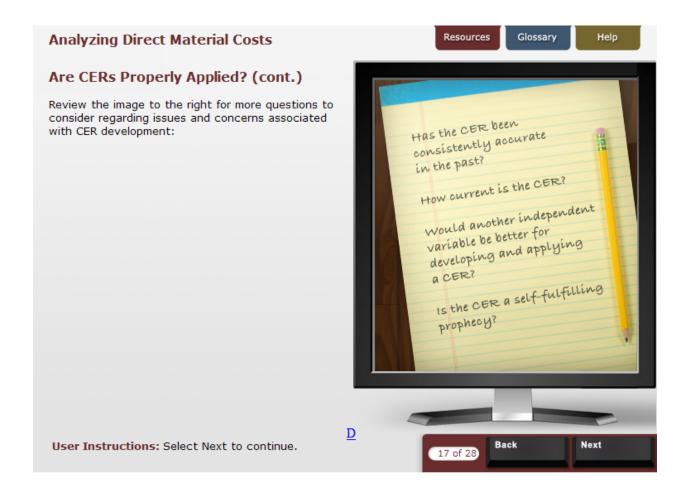
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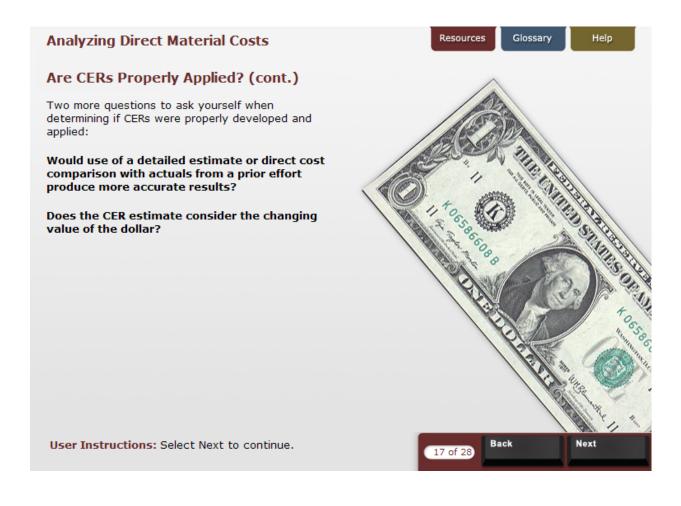
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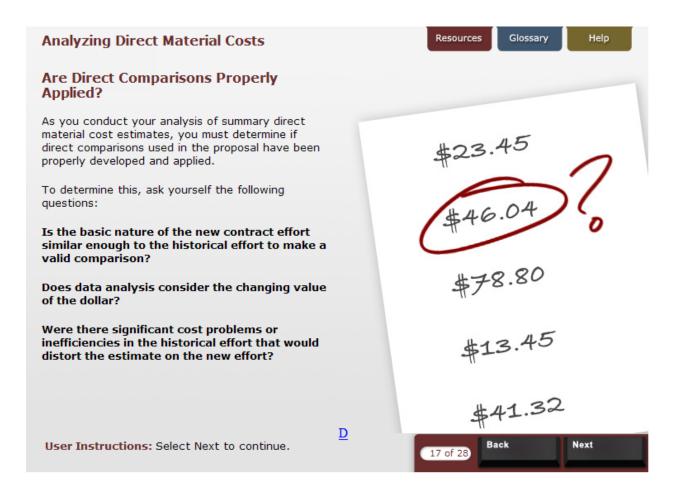


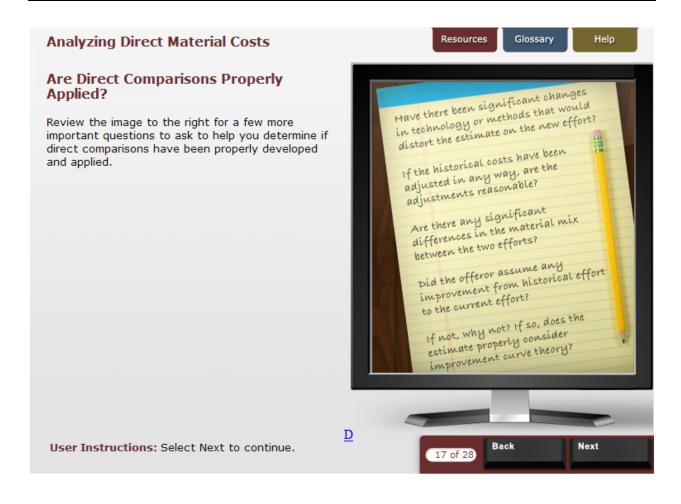


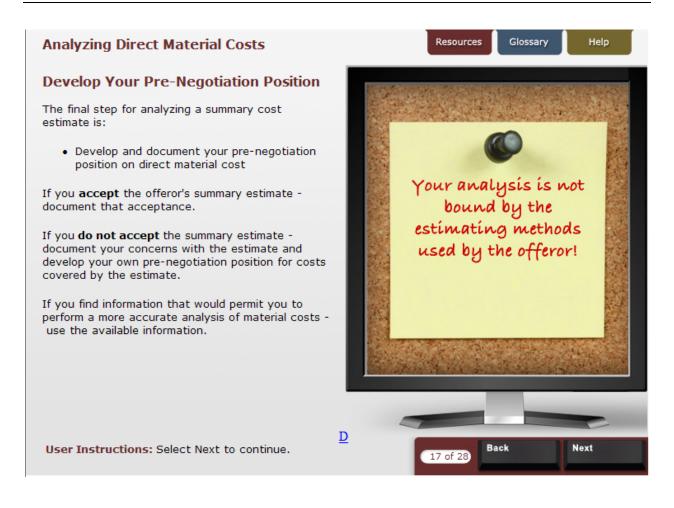


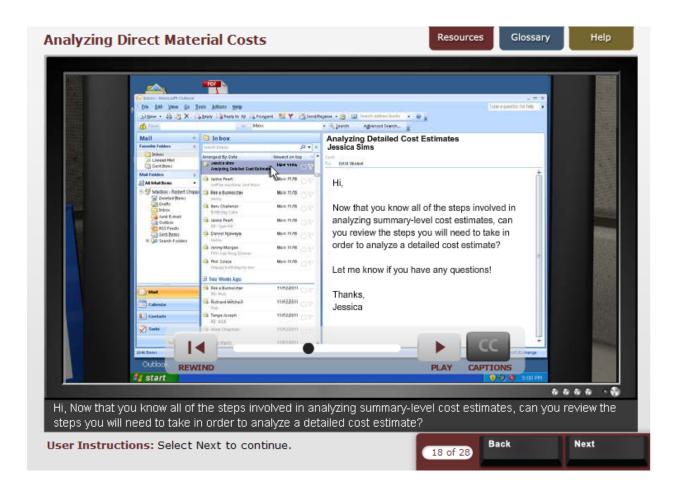


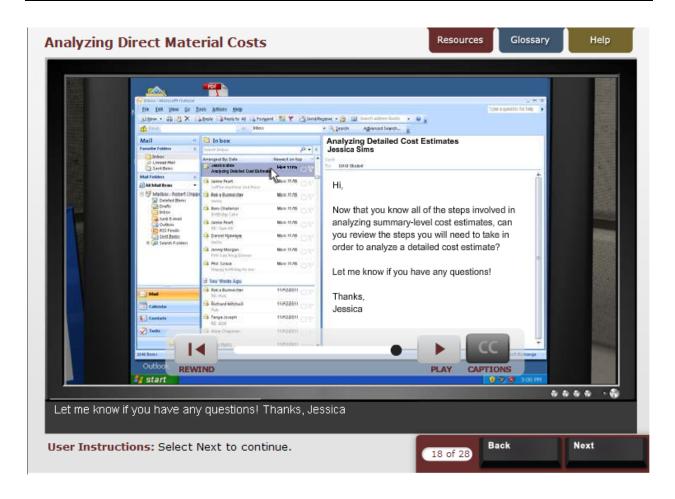


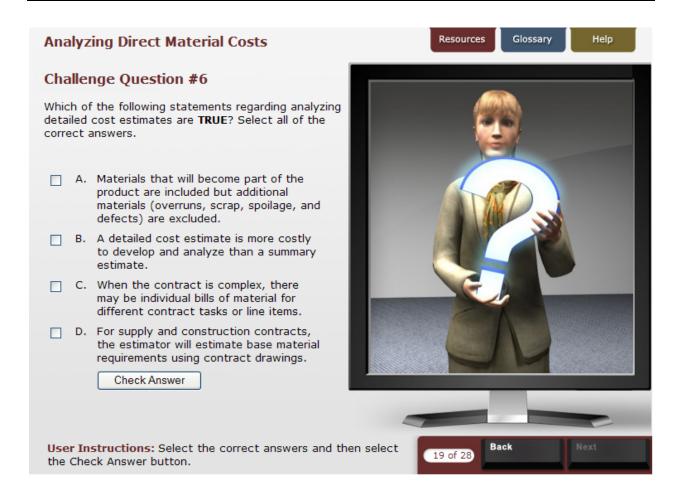


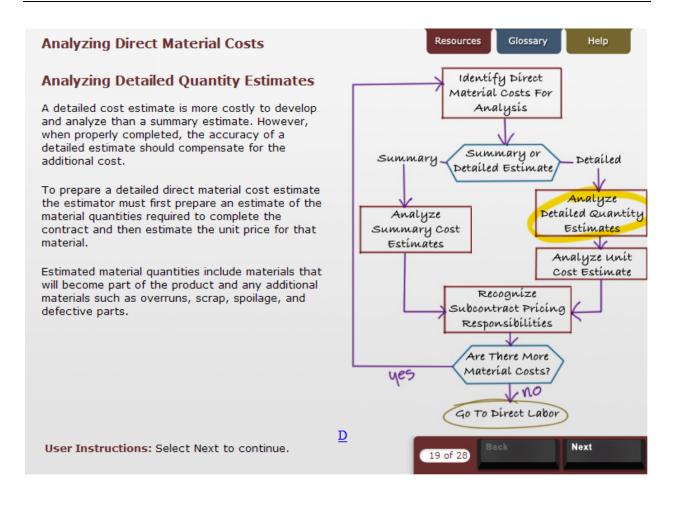


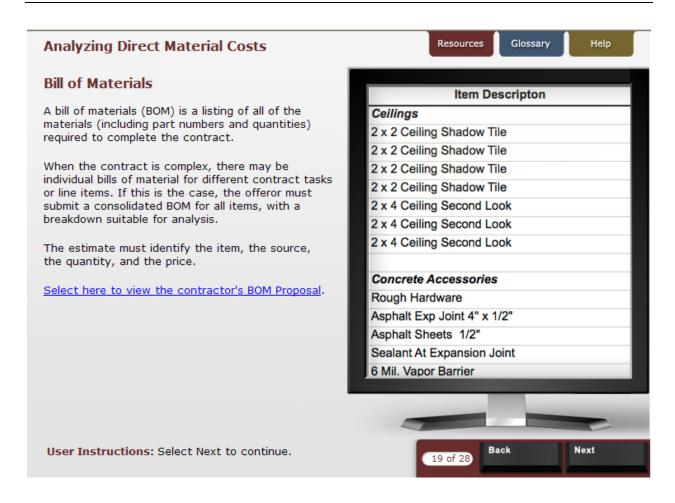


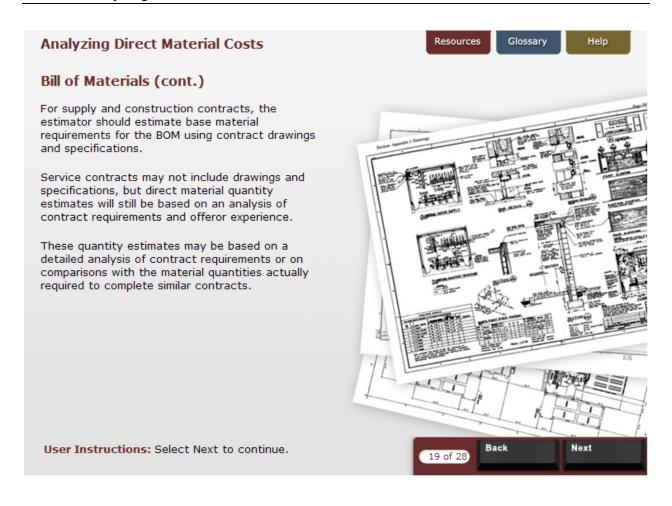


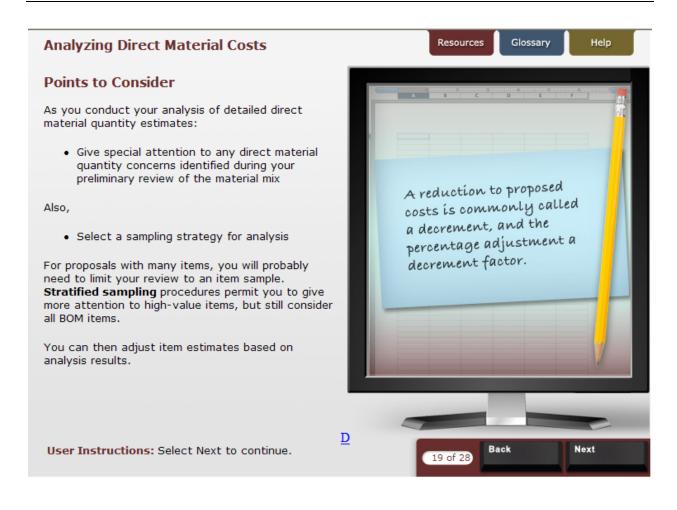












Analyzing Direct Material Costs

Resources Glossary

Help

Is the Base Estimate Reasonable?

Another point to consider when analyzing detailed quantity estimates is:

 Determine the reasonableness of the base estimate of direct material quantities required to complete the contract

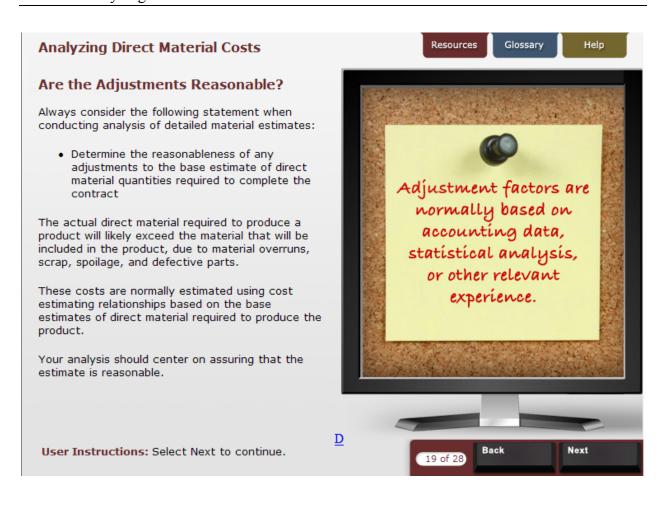
The base quantity estimate is the quantity of material that will actually be used in the final product.

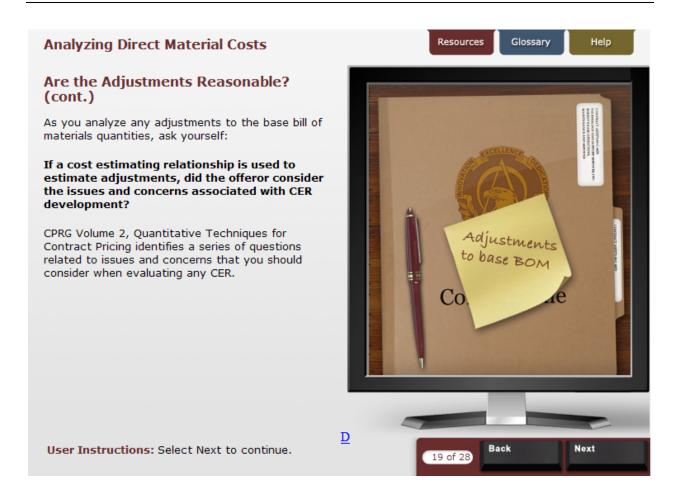
Technical personnel should be able to verify this quantity by comparison with drawings and other relevant contract requirements.

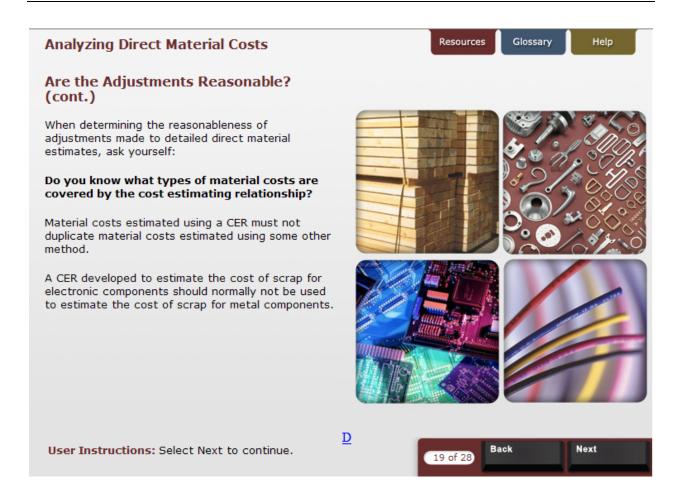


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Are the Adjustments Reasonable? (cont.)

As you analyze any adjustments to the base bill of materials quantities, ask yourself:

Is the method used to apply the cost estimating relationship in the estimate consistent with the method used in rate calculation?

The independent variable used as a base for applying the CER must be the same as the base used to calculate the CER and the value must be calculated using the same procedures used in CER development.

Also ask yourself:

Does related estimate information indicate that the additional material amounts are consistent with past experience?

Consider the need for further analysis if a CER or other method of adjustment does not appear reasonable based on past experience.

User Instructions: Select Next to continue.



