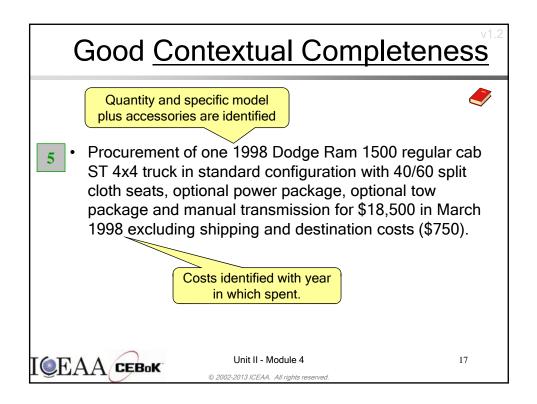
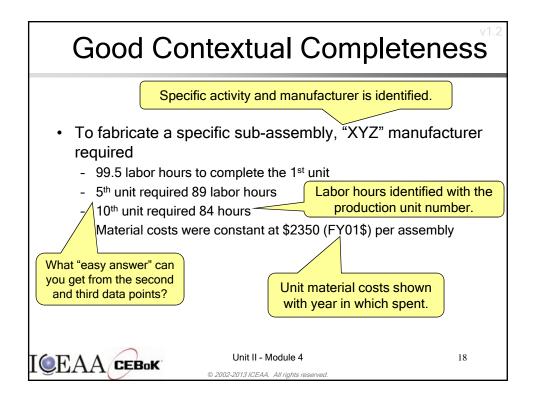
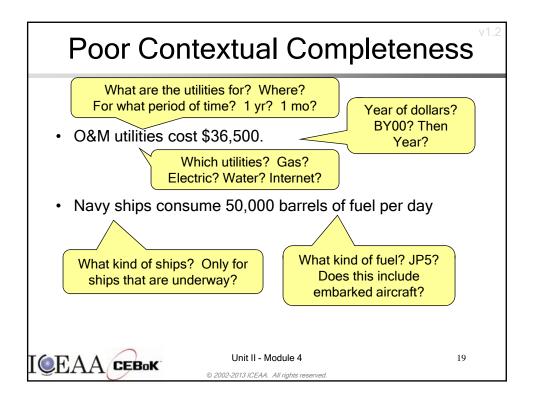
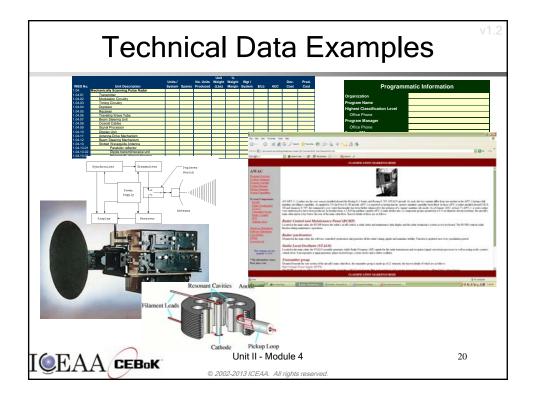


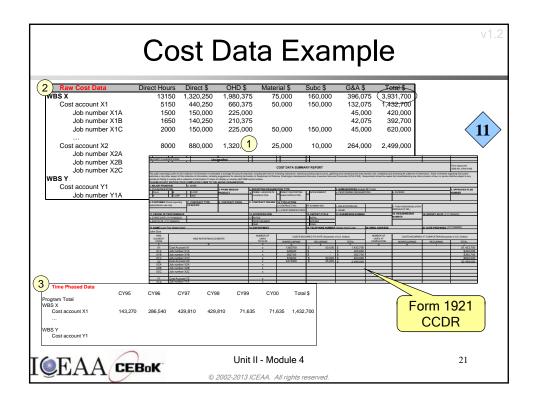
| Aircraft Example: Data Types   |            |         |   |            |                      |   |
|--|------------|---------|---|------------|----------------------|---|
| Data Types   |            |         |   |            |                      |   |
|  | Data point | Primary | Secondary                                       | Objective  | Subjective           |   |
|  | 1          | Mfr A   | FAA Study                                       | Dry weight | Complexity           |   |
|  | 2          | Mfr B   | Internet search                                 | Max. speed | Construction Quality |   |
| <ul> <li>What to Get:         <ul> <li>Cost (Resource) Data</li> <li>Labor hours/component</li> <li>Ratio of development to production</li> <li>Technical Data</li> <li>Weight, speed, power requirements, fuel consumption</li> <li>Programmatic Data</li> <li>Schedule, contract type</li> </ul> </li> </ul> |            |         |   |            |                      |   |
| IQE  | AA CE      | BoK     | Unit II - Module<br>© 2002-2013 ICEAA. All rigi |            | 1,                   | 6 |

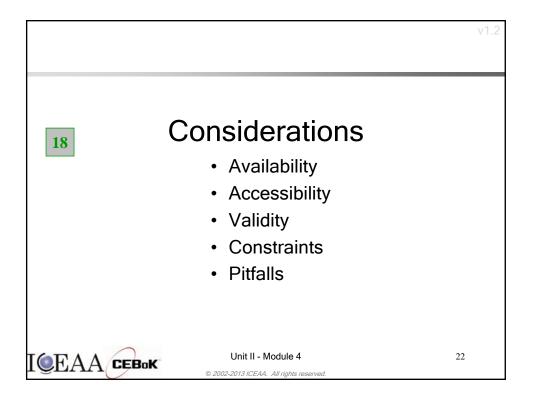


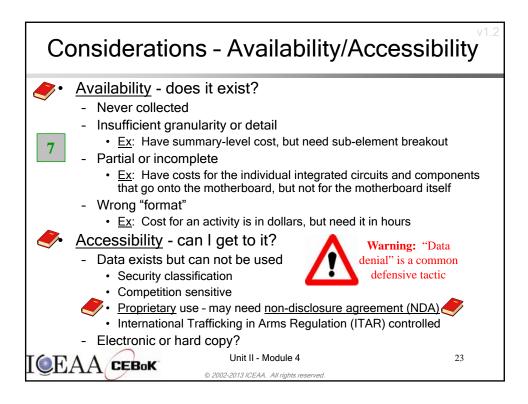


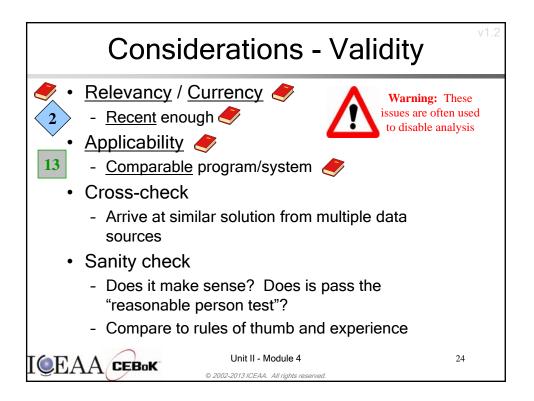


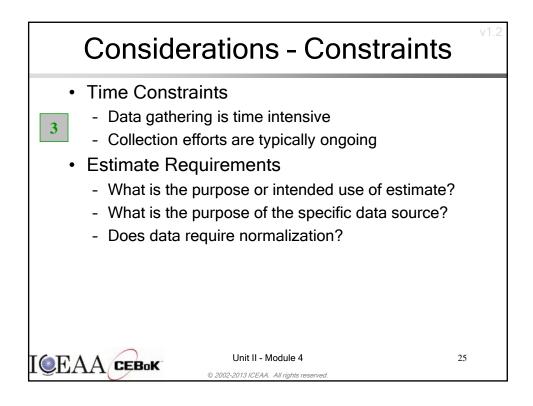


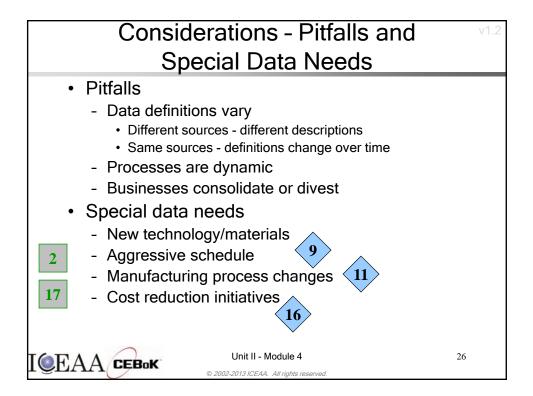


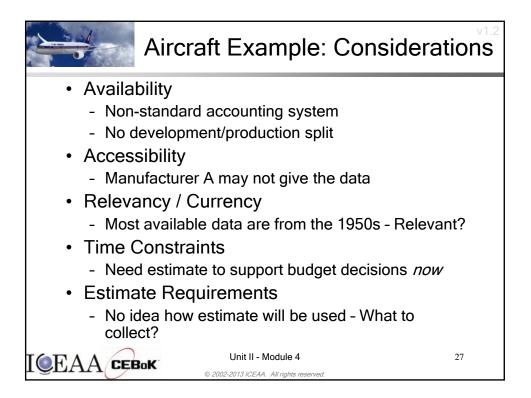


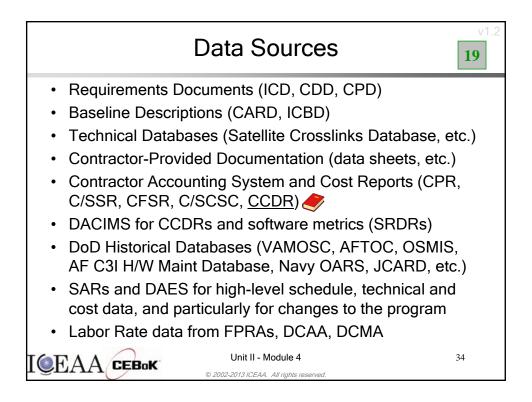


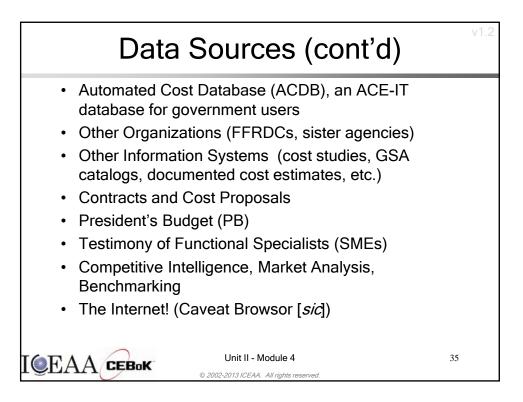


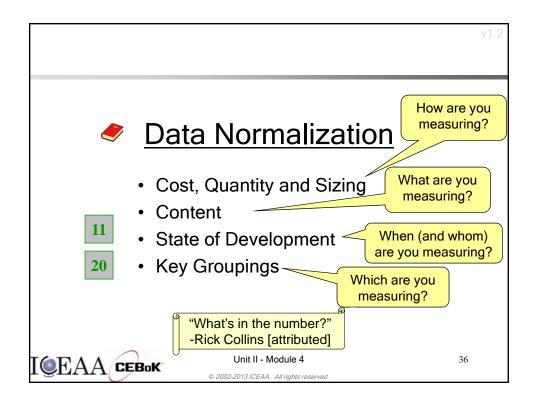


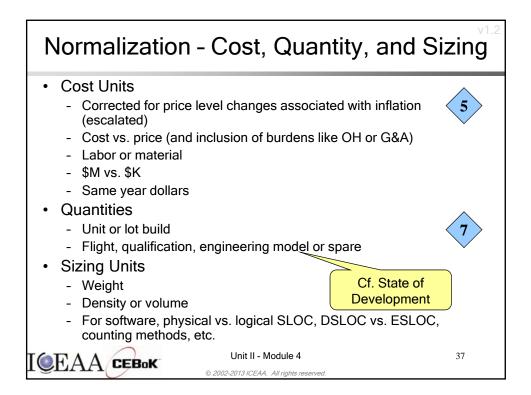


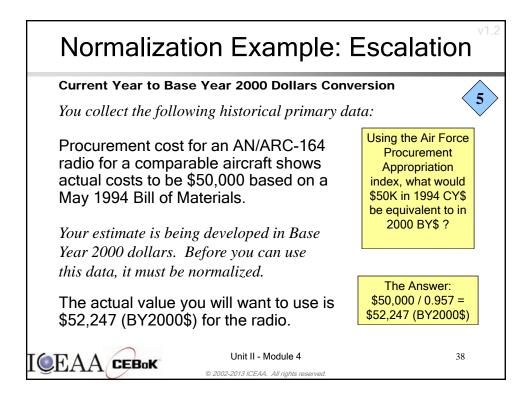


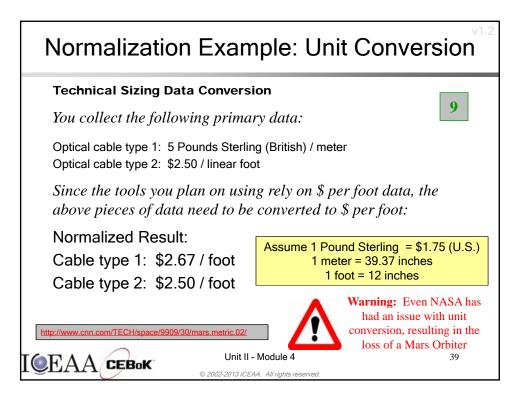


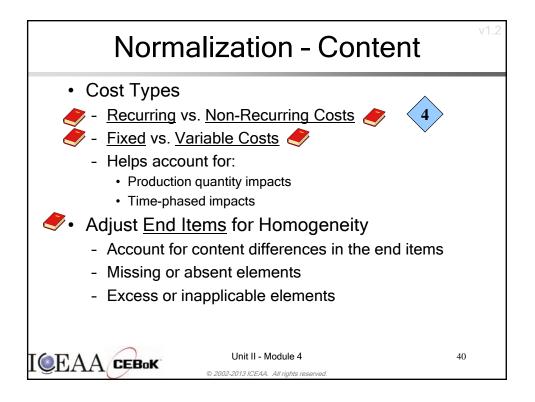


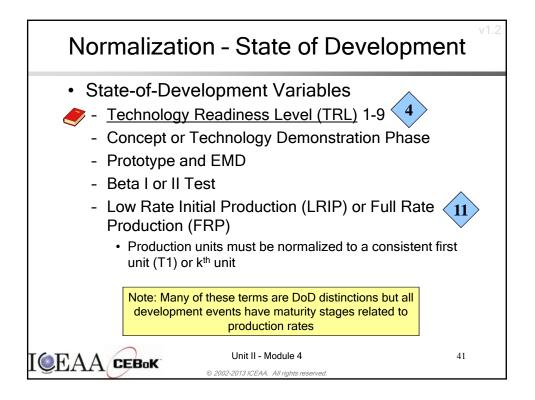


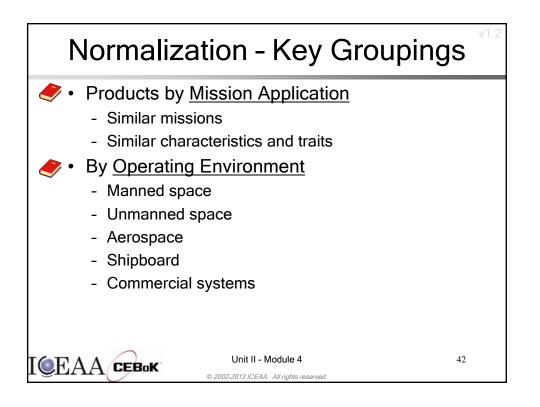


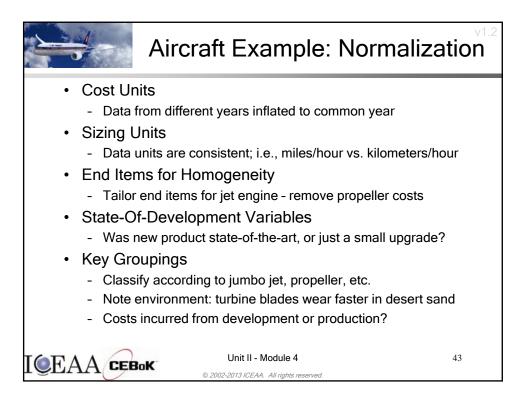


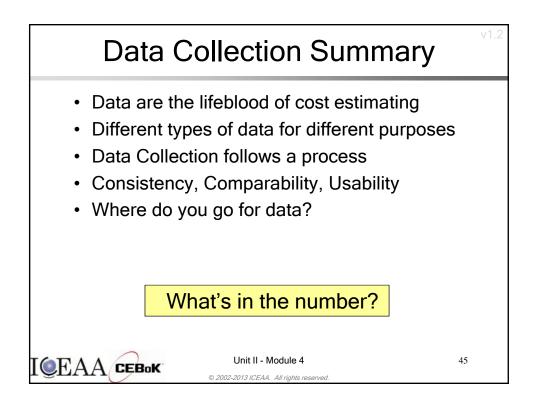


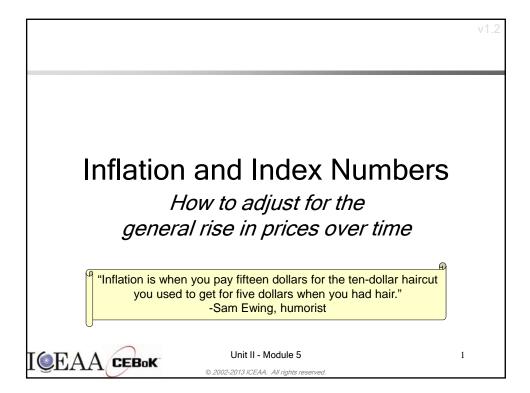


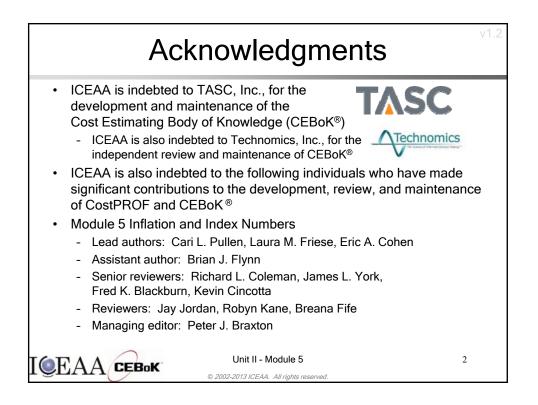


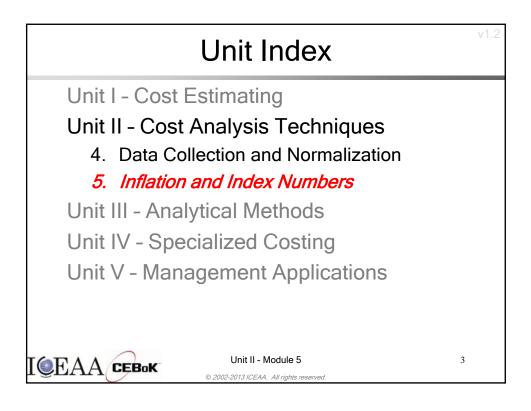




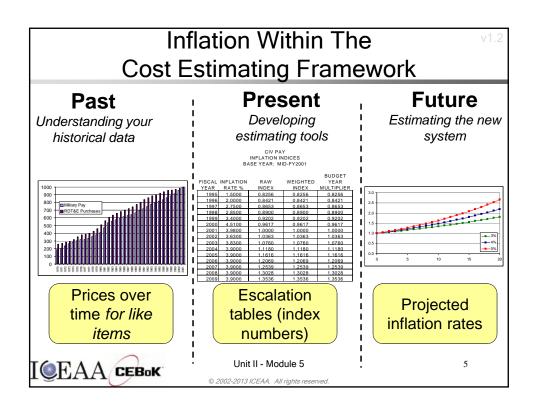


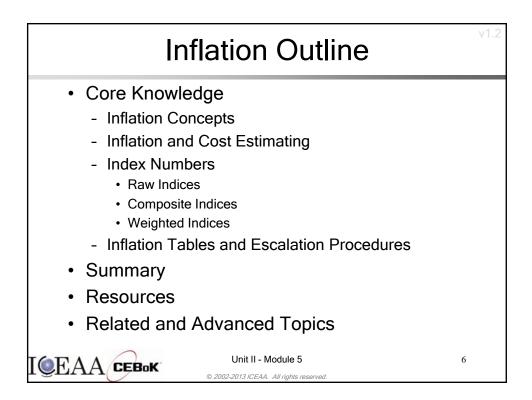


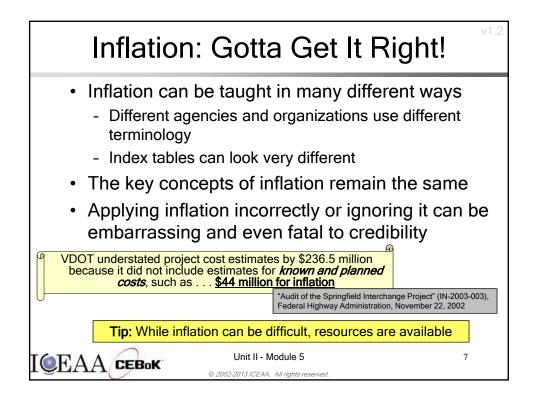


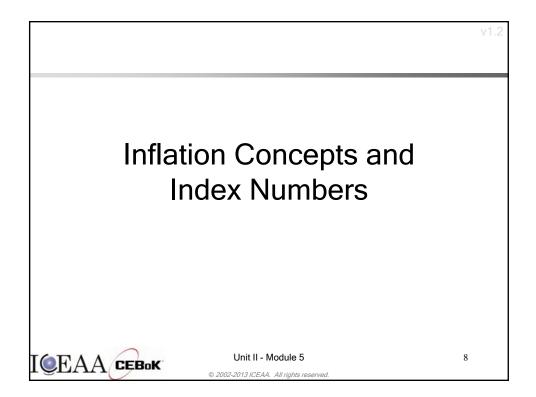


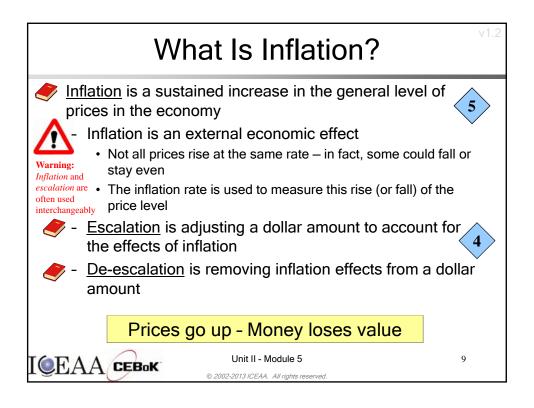
| Inflation Overview  |   |  |  |  |  |  |
|---|---|--|--|--|--|--|
| <ul> <li>Key Ideas         <ul> <li>Inflation = rising prices over<br/>time</li> <li>Basket of goods</li> <li>Base-year estimating</li> </ul> </li> </ul> | <ul> <li>Practical Applications         <ul> <li>Budget Estimates</li> <li>Custom indices</li> <li>Forward Price Rate<br/>Agreements (FPRAs)</li> <li>Price deflation and technology<br/>inflation</li> </ul> </li> </ul> |  |  |  |  |  |
| Analytical Constructs   | Related Topics  |  |  |  |  |  |
| <ul> <li>Exponential functions</li> <li>Growth and decay</li> <li>Compounding</li> <li>Inverse = logarithms</li> <li>Percent rates ≈ factors</li> </ul>   | <ul> <li>Time phasing</li> <li>Budgeting</li> <li>Discounting and Economic<br/>Analysis (EA)</li> </ul>   |  |  |  |  |  |
| - Geometric and harmonic means  |   |  |  |  |  |  |
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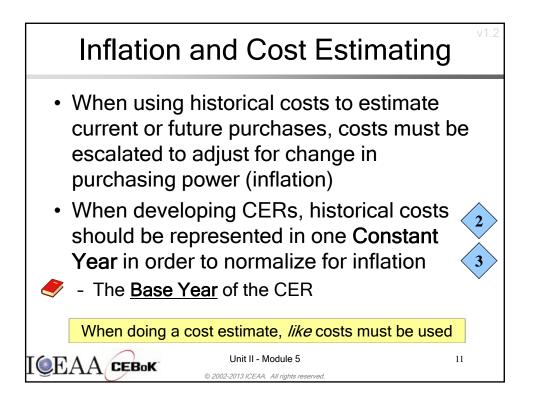


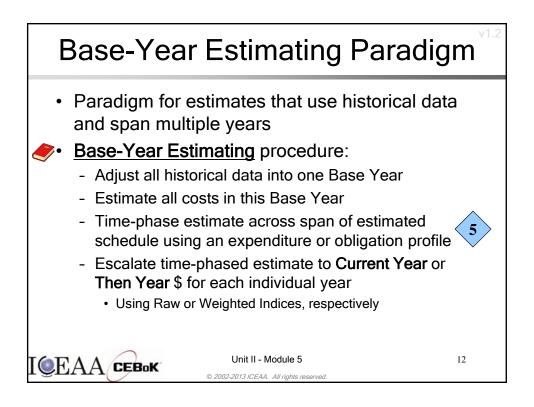


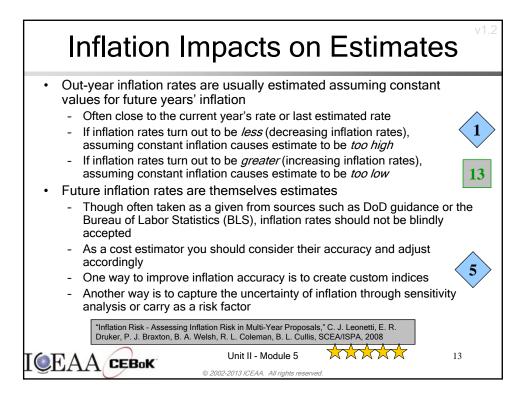


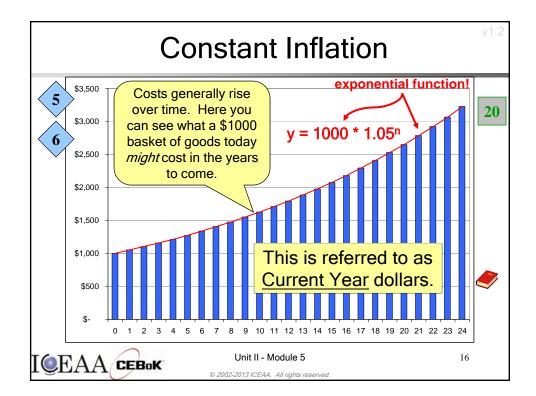
| Costs of Inflation  |          |  |               |              |                          |              |              |
|---|----------|--|---------------|--------------|--------------------------|--------------|--------------|
| Decrease in purchasing power  |          | Annual   | 1%            | 2%           | 5%                       | 10%          | 30%          |
|   |          | Inflation Rate   | Stable Pr     | rices        | Inflationa               | ry enviror   | ment         |
| <ul> <li>Lower standard of living</li> </ul>  |          | 1 year later   | 99.0          | 98.0         | 95.2                     | 90.9         | 76.9         |
| <ul> <li>If wages don't keep pace</li> </ul>  |          | 2 years later  | 98.0          | 96.1         | 90.7                     | 82.6         | 59.2         |
|   |          | 3 years later  | 97.1          | 94.2         | 86.4                     | 75.1         | 45.5         |
| Unovported redistribution of  | Value    | 4 years later  | 96.1          | 92.4         | 82.3                     | 68.3         | 35.0         |
| <ul> <li>Unexpected redistribution of</li> </ul>  |          | 5 years later  | 95.1          | 90.6         | 78.4                     | 62.1         | 26.9         |
| income and wealth   | of \$100 | 6 years later  | 94.2          | 88.8         | 74.6                     | 56.4         | 20.7         |
| <ul> <li>Nominal interest rates rise with</li> </ul>                                    |          | 7 years later  | 93.3          | 87.1         | 71.1                     | 51.3         | 15.9         |
| inflation   |          | 8 years later  | 92.3          | 85.3         | 67.7                     | 46.7         | 12.3         |
|   |          | 9 years later  | 91.4          | 83.7         | 64.5                     | 42.4         | 9.4          |
| <ul> <li>Debtors gain and creditors lose</li> </ul>                                     |          | 10 years later   | 90.5          | 82.0         | 61.4                     | 38.6         | 7.3          |
| <ul> <li>Debtor: Home owner with a low,</li> </ul>                                      |          |  |               |              |                          |              |              |
| fixed mortgage  |          | Annual   | 1%            | 2%           | 5%                       | 10%          | 30%          |
| <ul> <li>Repays loan with an interest rate<br/>less than nominal market rate</li> </ul> | e        | Inflation Rate   | Stable Prices |              | Inflationary environment |              |              |
|   |          | 1 year later   | 10.1          | 10.2         | 10.5                     | 11.0         | 13.0         |
| <ul> <li>Creditor: Owner of fixed-income</li> </ul>                                     |          | 2 years later  | 10.2          | 10.4         | 11.0                     | 12.1         | 16.9         |
| securities such as Treasuries,  | Cost of  | 3 years later  | 10.3          | 10.6         | 11.6                     | 13.3         | 22.0         |
| munis, or corporate bonds   | a \$10   | 4 years later  | 10.4          | 10.8         | 12.2                     | 14.6         | 28.6         |
| <ul> <li>Receiving coupon payments at<br/>less than nominal market ROI</li> </ul>       |          | 5 years later  | 10.5          | 11.0         | 12.8                     | 16.1         | 37.1         |
| - Bond prices fall, too   | CD       | 6 years later<br>7 years later                         | 10.6<br>10.7  | 11.3<br>11.5 | 13.4<br>14.1             | 17.7<br>19.5 | 48.3<br>62.7 |
|   |          | 8 years later  | 10.7          | 11.5         | 14.1                     | 21.4         | 81.6         |
|   |          | 9 years later  | 10.8          | 12.0         | 14.8                     | 21.4         | 106.0        |
| <ul> <li>Uncertainty</li> </ul>   |          | 10 years later   | 11.0          | 12.0         | 16.3                     | 25.9         | 137.9        |
| <ul> <li>Consumers and corporations</li> </ul>  | Dr P     | Paul Krugman: " generate modest inflation to gradually |               |              |                          |              |              |
| Confusion cost  |          | educe the bu   |               |              |                          |              |              |
| I CEBOK Unit II - Module 5 NEW! 10  |          |  |               |              |                          |              |              |

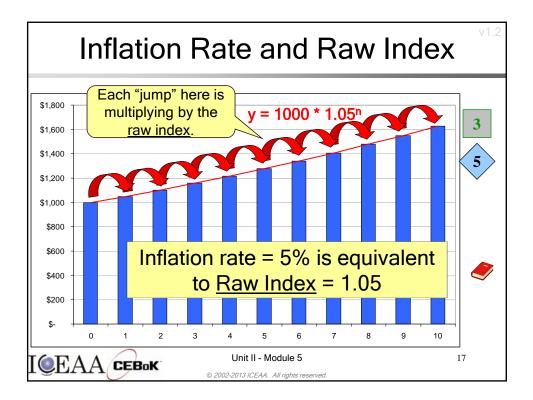
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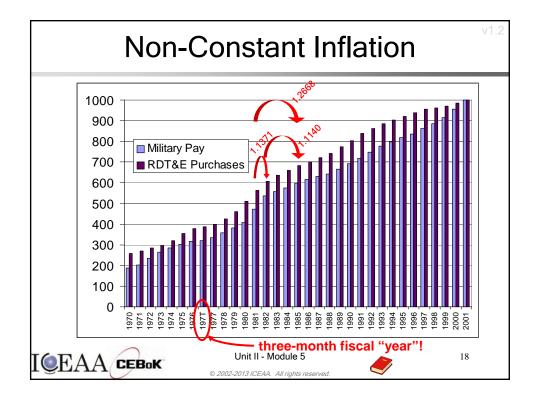


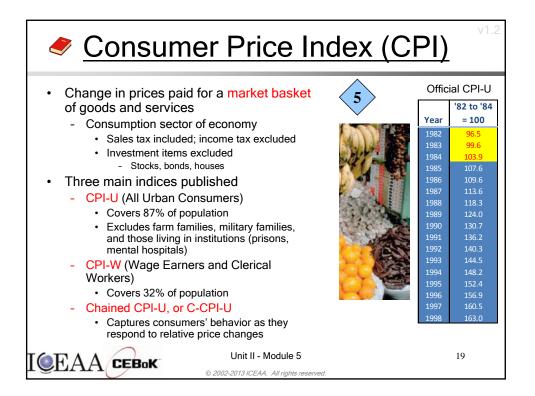


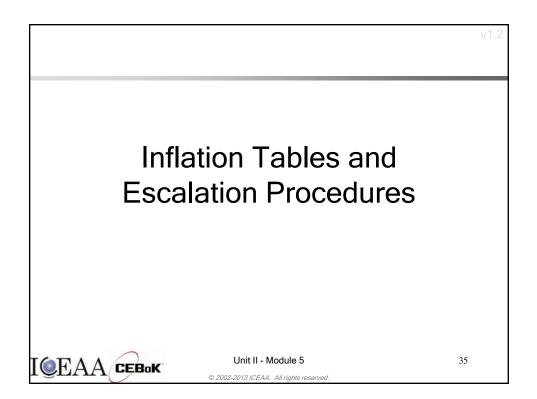


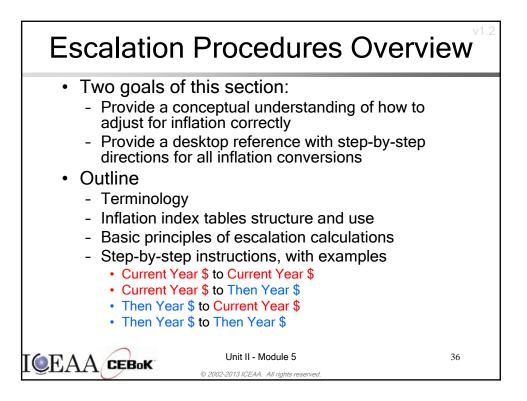


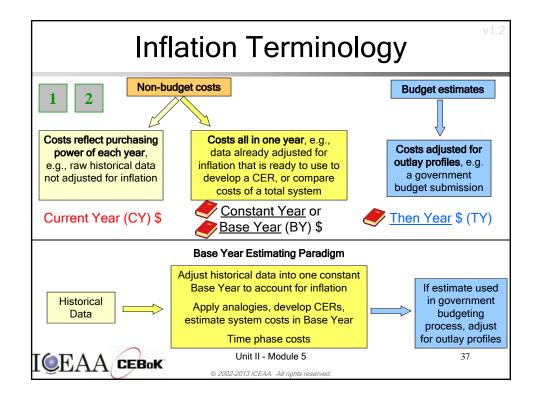


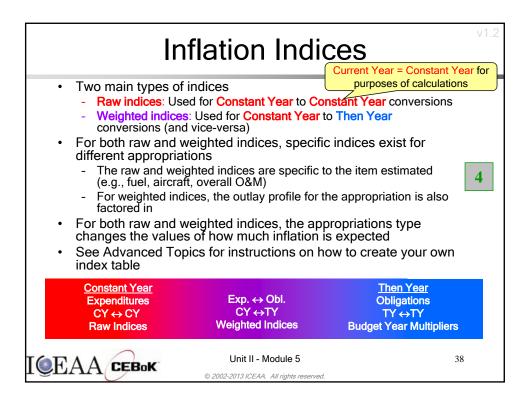


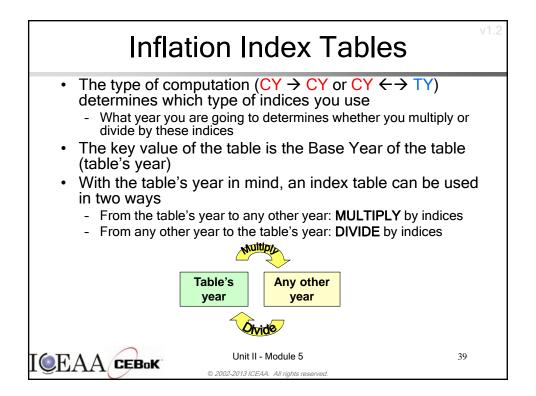


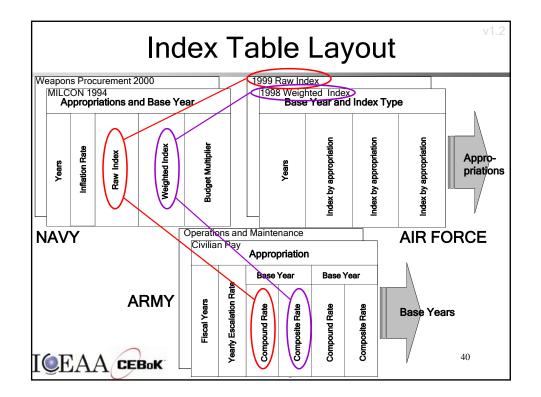


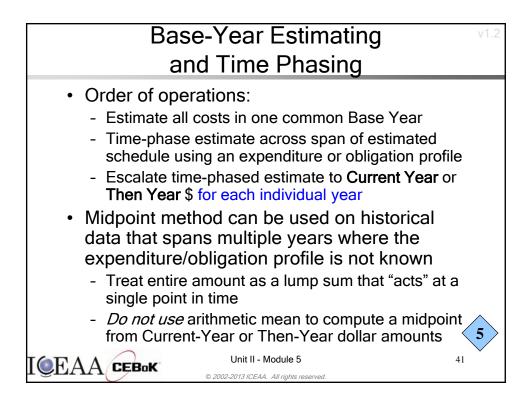


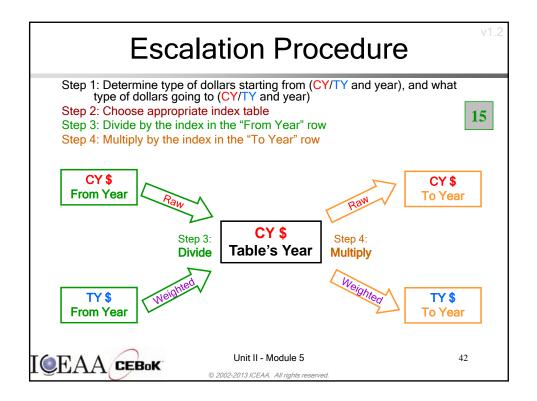


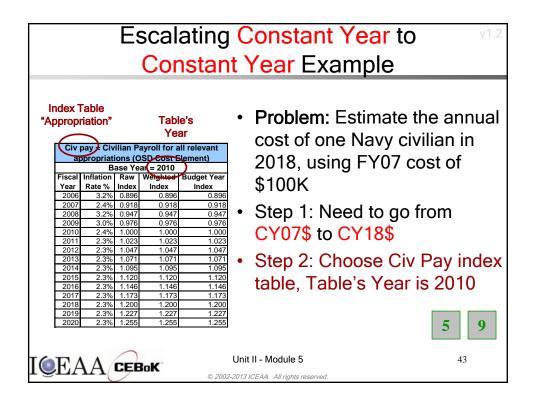


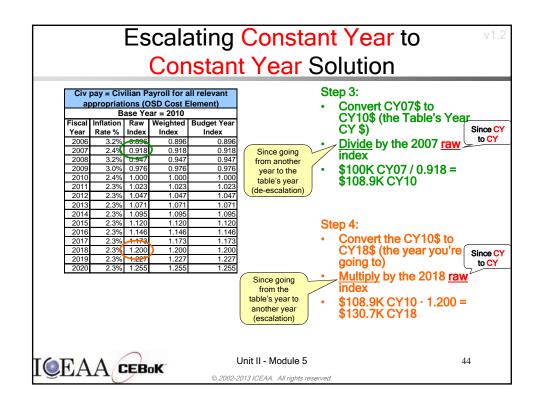












| Inflation Summary   |  |     |  |  |  |  |
|---|--|-----|--|--|--|--|
| <ul> <li>Know the Math!         <ul> <li>Easier to remember app</li> <li>Confidence in answers</li> </ul> </li> <li>Use intuition, but don't re         <ul> <li>Inflation = prices rise ov</li> <li>Weighted Indices = take</li> </ul> </li> <li>Inflation Terminology is n         <ul> <li>Learn the local dialect</li> <li>Ask for clarification</li> </ul> </li> </ul> | ely on it<br>/er time<br>es more "budget" dollars than "regular" dollars | ven |  |  |  |  |
| <ul> <li>Gotta get it right! and follow it step by step</li> <li>Look it up, follow the directions <ul> <li>Inflation can be a difficult topic - use your resources!</li> </ul> </li> <li>As long as the appropriation is correct, any calculation can be done from any given index table, regardless of its Base Year</li> </ul>   |  |     |  |  |  |  |
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