



The May ACEIT E-News focuses on Risk. This month's ACEIT highlight discusses the use of the [New Risk functions](#). This month also highlights our new ACEIT training course, [Basic RISK](#). Take a look at the current [training calendar](#); we've made a few changes.....All in this month's E-News!

**Come visit our booth at this year's ISPA/SCEA International Conference & Workshop  
June 12-15, 2007 in New Orleans!**

**Mark your calendars! 2<sup>nd</sup> Annual ACEIT User Conference, 14-16 January 2008.**

**ACEIT Highlight: New Risk Functions**

ACE 7.0 added several new built-in risk functions. This month's e-news highlights the RiskConf() function. This function returns the confidence of the value based on the statistics of the given row. The confidence is returned as a factor (probability) between 0.0 and 1.0.

Usage:

**RiskConf(@Var, Value)**

Where:

- **Var** references the cost estimate row (item). The @var syntax identifies an ACE row, where var is the Unique ID of the row (item) to reference.
- **Value** is the actual value, or the variable corresponding to the actual value, we want to know the confidence for.

For example, we have a Procurement point estimate cost of \$241,695.972. After doing an uncertainty analysis, risk statistics show that the point estimate is at the 38% confidence level. If we have a Procurement budget of \$300,000.000, we can use the RiskConf() function to retrieve the confidence level of that budget value for the Procurement cost row. In the example below, \$300,000.000 is at the 71.9% confidence level.

	Proc\$	\$241,695.972 (38%) *
RiskConf(@Proc\$, 300000)		0.719 *

**Training Highlight**

**New Basic RISK Course Offered**

The Basic RISK course is an introductory course to guide you through the process to model the uncertainty in your point estimate to provide a basis for a cost risk evaluation of the estimate using the ACEIT software. It is designed for analysts who need clarification on the basic concepts of uncertainty analysis and guidance on how to systematically apply uncertainty to their estimates. You will explore the natures of uncertainty in an estimate and how to model them. The most common uncertainty distributions are introduced and guidance on which one to select is provided. At the completion of the course you will be able to:

- Identify where and how uncertainty should be applied in your point estimate
- Recognize the standard uncertainty distributions and know where to apply them
- Apply an uncertainty distribution to CERs and their inputs
- Understand when/where/how to apply correlation
- Generate key risk tables, charts and reports in ACE
- Understand the requirement for and process used to allocate risk results in the estimate
- Develop a risk-adjusted, time phased estimate in BY and TY\$
- Develop graphical displays of risk simulation results

In addition, you will be introduced to some of ACE's advanced risk topics.

Basic RISK training course outline:

**Why Cost Risk?**

- Module 1 – Introduction to Uncertainty and Risk
- Module 2 – Sources of Uncertainty

**Background**

- Module 3 – What is a Distribution?
- Module 4 – Understanding Simulation
- Module 5 – A Process for Defining Uncertainty

**Data Needed to Define Distributions**

- Module 6 – Defining Distributions with No Information on the Bounds
- Module 7 – Defining Distributions with Expert Opinion
- Module 8 – Defining Distributions for CERs with Supporting Data

**Inputs-Based Uncertainty Approach**

- Module 9 – Inputs-Based Uncertainty Approach for Correlated Cost Throughputs
- Module 10 – Inputs-Based Uncertainty Approach for Correlated CERs & CER Inputs

**Presenting Risk Results**

- Module 11 – Presenting the Risk Story

**Advanced Risk Topics**

- Module 12 – Advanced Risk Topics Overview

View the schedule below to see when this new course will be taught near you.

**Training Schedule**

**Upcoming ACEIT Training**

June 2007 – September 2007 classes are listed below. For a complete listing of all upcoming training and course descriptions, check the [ACEIT training schedule](#).

	Jun	Jul	Aug	Sep
<a href="#">Automated Reports and Presentations Using Excel with POST</a>				<a href="#">13-14 Herndon, VA</a>
<a href="#">Basic ACEIT 7.0 (Basic ACEIT)</a>	<a href="#">4-7 Las Vegas, NV</a>	<a href="#">10-13 WDC</a>	<a href="#">7-10 LA</a>	<a href="#">18-21 WDC</a>
<a href="#">Basic RISK Analysis in ACE (RISK)</a>	<a href="#">18-19 LA</a>			<a href="#">11-12 Herndon, VA</a>
<a href="#">Training Bundle - 4 Day (Basic RISK/POST)</a>				<a href="#">11-14 Herndon, VA</a>
<a href="#">Training Bundle - 4 Day (In Depth ACE/ POST)</a>		<a href="#">16-19 Las Vegas, NV</a>		

**On-Site and Mechanics Training** are available; contact our [Training Coordinator](#) for more information.

**Support Alerts on ACEIT.com**

There have been **0 New Support Alerts** posted since the last e-news.

Please see the [Support Alert page](#) of the ACEIT website for more information on recent alerts and to view other Warnings and Informational postings. You will need to login and have current DMS. Please contact [Aceit\\_Support@tecolote.com](mailto:Aceit_Support@tecolote.com) if you have any questions.

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