



ACEIT E-News: ACEIT 7.2 Released

Overview

Issue 41 – December 2009

In this Issue: ACEIT 7.2 released, using the new VLookUp function, updated ACEIT 7.2 101 course now available, and much more.

[Early Bird Registration for 2010 ACEIT User Workshop has been extended to December 24th!](#)
[Register today for the 4th Annual ACEIT User Workshop, January 25 -27th, 2010, Santa Barbara, California](#)

Announcement: ACEIT 7.2 Released

We are pleased to announce the release of ACEIT 7.2. This version includes updates to the following applications: ACE, POST, CO\$TAT, ACE Plug-ins, ACEIT Librarian, ACEIT Admin, ACDB Report Wizard, and Correlation Utility. Here are just a few of the new features/enhancements you will see in this version:

ACE

- New Window and Workscreen tabs
- Updated Traceback Navigator interface
- ACE functions (SumIf and If) can now access category column data
- Additional tests added to the Session Analyzer
- System by Site Wizard enhancements
- Persistent results, bookmarks, and DEC results added to the ACE IRV
- Four new RI\$K phasing and allocation options
- New Student's-t and Log-t distribution options for RI\$K
- Enhanced RI\$K Grouping and Correlation wizard

POST

- New Multi-Axis Line Chart adds a secondary y-axis
- New Time Phased Row Delta report
- New RI\$K Convergence Chart
- New RI\$K Fan Charts illustrate uncertainty by year
- New Joint Probability Chart

CO\$TAT

- Added support for Student's-t and Log-t distributions
- Increased maximum variable id length from 50 to 100
- Easy access to example files

Registered users on the ACEIT website can view the complete ACEIT 7.2 documentation along with a New Features Presentation on the [ACEIT 7.2 Release Notes Page](#).

Tip of the Month: Using the new VLookUp function

ACE has had the StepVal function (similar to Excel's HlookUp function) for many years. In version 7.2, we have introduced a new function called Vlookup (similar to Excel's Vlookup function) which allows you to compare data in one column and return corresponding data from a different column. Please note that it behaves different than Excel. When the LookupVal is not found in the DataTable, Excel uses the next lower value, ACE uses the next higher.

Syntax:

VLookUp (LookupVal, @DataTable, ColIndex, NumRows)

LookupVal - The value to search for in the first yearly column of the *DateTable* matrix. If the value you supply for the lookup_value argument is larger than the largest value in the first column of the DataTable matrix, VLOOKUP returns the largest value.

@DataTable - This argument is a table of data where the data is in the yearly columns. The values in the first column are the ones searched for by *LookupVal*

ColIndex - The column number of the *@DataTable* matrix from which the value must be returned.

NumRows - This argument is the number of rows in the *@DataTable* matrix.

Example:

	WBS/CES Description	Unique ID	Point Estimate	Equation / Throughput	FY 2003	FY 2004	FY 2005
15	*Syntax			VLookup(lookup_value, @DataTable, col_index, num_rows)			
16	Number of Fuel Tanks needed for HW with Qty = 2		1.000 *	VLookup(2, @HWReq, 2, num_rows)			
17	Number of Fuel Tanks needed for HW with Qty = 8		2.000 *	VLookup(8, @HWReq, 2, num_rows)			
18	Number of Fuel Tanks needed for HW with Qty = 10		2.000 *	VLookup(10, @HWReq, 2, num_rows)			
19	ManPower needed for HW with Qty 17		8.000 *	VLookup(17, @HWReq, 3, num_rows)			
20	ManPower needed for HW with Qty 50		8.000 *	VLookup(50, @HWReq, 3, num_rows)			
21							
22	*INPUT VARIABLES	*IN_VAR					
23	*** Fuel Tanks and Manpower needed by Qty				Qty	Fuel Tanks	Manpower
24	HW Fuel and Manpower Matrix	HWReq	0.000 *				
25	HW Qty 1-5			[input Throughput]	5	1	2
26	HW Qty 6-10			[input Throughput]	10	2	4
27	HW Qty 11-15			[input Throughput]	15	4	6
28	HW Qty 16-20			[input Throughput]	20	6	8
29							
30	Number of rows for HWReq matrix	num_rows	4.000 *		4		

See Help for more details.

Training Highlight: ACEIT 101 course for version 7.2

ACEIT 101 (4 days) and ACEIT 101a (2 day refresher) have been updated to include all the new features found in ACEIT version 7.2.

[Don't miss the first ACEIT 101 of 2010 in Houston, Texas.](#)

ACEIT 101 (4 days) is an introductory course to help you build estimates using the ACEIT software. You will become familiar with the tools in the software suite and explore the electronic interaction between them. You will understand the structure of ACE and how it standardizes cost estimate modeling, what if analysis, and reporting. In addition, you will learn the syntax of ACE equations, and how ACE imports from CO\$TAT and other tools. At the completion of the course you will be able to construct a WBS; develop a simple cost model estimate; apply inflation, learning and time-phasing methods; create reports in ACE; and generate reports in POST.

Training Schedule

January 2010 – April 2010 classes are listed below. For a complete listing of all upcoming training and course descriptions, check the [ACEIT training schedule](#).

	Jan	Feb	Mar	Apr
ACEIT 101: Introduction to ACE, CO\$TAT and POST	12-15 Houston, TX	23-26 WDC	9-12 WDC 29-1 Las Vegas, NV	20-23 WDC
ACEIT 101a: Refresher - Reviewing and Updating ACE Models (ACEIT Refresher)		9-10 WDC		
ACEIT User Workshop	25-27 SB, CA			
POST 103: Introduction to POST			4-5 WDC	
RI\$K 102: Introduction to Cost Risk Analysis and ACEIT RI\$K			2-3 WDC	

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

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