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Tip of the Month - Using the SumIf function in Summary Sections

Does your estimate have a section that summarizes costs at a top-level or by category? If this section uses the SumIf function to add rows together, you should make sure that the section is defined as a Summary Section. While the SumIf function is very powerful, it is also calculation intensive. Each time the SumIf function is called, it must loop through the specified WBS section looking for the costs to add up. Multiple SumIf function calls can affect the performance of your ACE session, especially when calculating with RISK.

Being able to designate rows as summary sections is a new capability in ACE 7.3. Use the Summary Result Type column to specify summary sections (as illustrated in example file 06a). ACE treats summary section rows differently than the rest of the estimate. Summary rows are calculated after the rest of the session is calculated. While you won't notice any performance differences on a basic calculation, when you calculate with RISK, the changes can be significant.

Here's an actual example.

Total number of rows in ACE session	900
Number of rows in detailed estimate (WBS)	400
Number of summary rows	100
Number of SumIf function calls	80

Depending on whether or not the summary rows are actual summary sections (specified by selecting a Summary Result Type) has a huge impact on the calculation time.

	Without Summary Section	With Summary Section
Default Calculation	10 seconds	10 seconds
RISK Calc w/ 100 iterations	13 ½ minutes	1 ¾ minutes
RISK Calc w/ 1000 iterations	2+ hours	15 minutes

Summary sections have a few limitations, namely 1) all rows in a summary section must be time-phased with either F, FP or C phasing; 2) only a small subset of ACE functions are allowed on summary rows, namely SumIf, SumIfTot, and all basic math operations; and 3) no Unique IDs are allowed on summary section rows. Despite these limitations, we recommend that you use summary sections whenever possible on larger sessions that have many rows and/or heavily use the SumIf function.

Support Alert

ACEIT 7.3 - WARNING: POST 7.2 results do not match ACE 7.3 results

23 January 2012

Problem: If you use POST 7.2 to create reports on a session that was saved in ACE 7.3, POST won't generate an error, but the answers won't match. New columns were added in ACE 7.3, this affects the way POST reads the session.

Workaround: Always use the same version of the software when moving between tools. If you create a session in ACE 7.3, make sure you use POST 7.3 to create a report on its results.

Training Highlight – ACEIT 101 and 201 courses updated

ACEIT 101 and 201 courses have been updated to include new ACEIT 7.3 features and enhancements. The two revised courses will be available in Washington DC, El Segundo, CA and Burlington, MA in the months to come. Register today while seats are still available. To find out more about the course, visit the [training section](#) on the ACEIT websites.

For more information on ACEIT training, please contact the [ACEIT Training Coordinator](#).

ACEIT Training Schedule

Save the date * 17-19 September 2012 * 6th Annual ACEIT User Workshop

	Feb	Mar	Apr	May
ACEIT 101: Introduction to ACE, CO\$TAT and POST	7-10 WDC	27-30 WDC		8-11 WDC 15-18 El Segundo, CA
ACEIT 201: Next Steps in ACE, CO\$TAT, and POST		13-16 El Segundo, CA	10-13 Burlington, MA	
Training Bundle - 4 Day (ACEIT 101a/RISK 102)	28-2 WDC			

On-Site and Mechanics Training are available, contact [ACEIT Training](#) for more information.

Announcement - ACEIT 7.3 now NMCI Approved



We are pleased to announce that ACEIT version 7.3 received Navy/Marine Corp Intranet (NMCI) approval in December 2011. ACEIT 7.3 can now be deployed to unclassified and classified Navy computers that have current ACEIT DMS (distribution, maintenance and support).

ACEIT Certification/Compliance Documentation

Certification/Compliance Document	Agency	Version	Issued
AF E/APL – Certified Air Force Evaluated/Approved Products List	Air Force	7.x	29 Jun 10
Army CON – Army Certificate of Networkiness	Army	7.2, 7.3	14 Oct 11
VPAT – Voluntary Product Accessibility Template	various	7.2, 7.3	24 Oct 11
NMCI – Navy/Marine Corps Intranet	Navy	7.1, 7.3	28 Dec 11
US Dept of Education - Client Software Accessibility Review (Section 508)	Dept of Ed	6.1a	30 Jun 05
ACAT I and II ACEIT Requirement Memorandum	Army	Any	15 Apr 04
Microsoft Gold Certified Partner (8 th Year)	various	7.2	15 Feb 11

To view the documents, visit the [Compliance Documentation page](#) on [aceit.com](#).

ACEIT Version Compatibility

ACEIT is designed to run in a Microsoft Windows operating system. Some ACEIT applications, such as CO\$TAT and POST, require Microsoft Office to run. Please see the table below for version compatibility:

ACEIT Version (release date)	Windows OS Version	Microsoft Office Version
7.3 (April 2011)	XP, Vista, Windows 7 (32 or 64-bit)	2003, 2007, 2010 (32-bit only)
7.2a-003 (July 2010)	XP, Vista, Windows 7 (32 or 64-bit)	2003, 2007, 2010 (32-bit only)
7.2a (April 2010)	XP, Vista	2003, 2007
7.2-001 (Jan 2010)	XP, Vista	2003, 2007
7.2 (Dec 2009)	XP, Vista	2003, 2007
7.1a (July 2008)	2000, XP, Vista	2000, 2003, 2007
7.1 (Dec 2007)	2000, XP	2000, 2003

View your ACEIT version and release date by selecting Help>About in any ACEIT application.

