



News

The ACEIT 2017 inflation tables will be available soon! A custom table containing indices for five main services (AF, Army, Navy, USMC, MDA) will be on the website for download early next week. A system table will be published once the other services indices are available, probably in early April. Check the [News section](#) of ACEIT.com for the latest.



Tip of the Month

Creating a User Defined Function (UDF)

Have you ever wished you could re-use a formula on multiple rows but with different variables?

Last month's tip showed you how to write a formula to calculate a mid-year price change. If you want to use this formula on multiple rows, the most efficient way to do this is by creating a UDF.

The following formula calculates a mid-year price change:

```
IF(TCum(@BQ)≤BreakUnit, BeforeBreakUC$*BQ, IF(IsBetween(BreakUnit, TCum(@BQ, TTP-1), TCum(@BQ)), (BreakUnit-TCum(@BQ, TTP-1))*BeforeBreakUC$ + (TCum(@BQ)-BreakUnit)*AfterBreakUC$, AfterBreakUC$*BQ))
```

Where

BreakUnit is the number of units before the price changes

BeforeBreakUC\$ is the cost of the units before the price changes

BQ is the Buy Quantity

AfterBreakUC\$ is the cost for the units after the price changes

We can make this into a UDF by creating a Unique ID that names the formula along with the parameters that are used in the formula. In this example, the UDF name is

MidYearPriceChangeUDF(BreakUnit,@BQ,BeforeBreakUC\$,AfterBreakUC\$).

To call the UDF in an ACE session, create variables for each of the parameters in the UDF (make sure the Unique IDs for the variables are different than the parameter names). For example, if the buy quantity variable is called **YrQty**, the break unit is **PriceBreakUnit** and the two costs are **UC\$** and **FutureUC\$**, the UDF would be called as follows:

MidYearPriceChangeUDF(PriceBreakUnit, @YrQty, UC\$, FutureUC\$)

	WBS/CES Description	Unique ID	Point Estimate	Phasing Method	Equation / Throughput
1	*Program Estimate Estimate	*Estimate			
2	Total Cost		\$ 124,000,000 *	F	MidYearPriceChangeUDF(PriceBreakUnit, @YrQty, UC\$, FutureUC\$)
3					
4	*INPUT VARIABLES	*IN_VAR			
5	Current Contract Unit Price	UC\$	\$ 100,000 *	C	100
6	Price change at unit	PriceBreakUnit	1000. *	C	1000
7	Manufacturing estimate Unit Price	FutureUC\$	\$ 120,000 *	C	120
8	Yearly Quantities	YrQty	1200. *	IS	[Input Throughput]
9					
10	**** Cost with MidYear Change UDF ****				
					MidYearPriceChangeUDF(BreakUnit, @BQ, BeforeBreakUC\$, AfterBreakUC\$)
11	Cost with mid-year price change UDF	UC\$AfterBreakUC\$)			IF(TCum(@BQ)<=BreakUnit, BeforeBreakUC\$*BQ, IF(IsBetween(BreakUnit, TCum(@BQ, TTP-1), TCum(@BQ)), (BreakUnit-TCum(@BQ, TTP-1))*BeforeBreakUC\$ + (TCum(@BQ)-BreakUnit)*AfterBreakUC\$, AfterBreakUC\$*BQ))

In the screen capture above, the UDF is defined on row 11, and is called from row 2.



Downloads

A new Hotfix is now available for download from the [ACEIT website](#).

JACS Hotfix 7.5-005 (13 March 2017)

JACS Hotfix 7.5-005 significantly improves calculation speed in certain schedules. In addition, the following items were fixed.

Issues Resolved:

JACS for MS Project and JACS for P6:

- GAO Health check for critical path now excludes parent tasks
- Optimized/improved JACS performance.
- Custom inflation table is now recognized and used
- System Inflation table specified in Settings is now being used rather than the Most recent
- Observer now works with 'Schedule only' calculation without displaying errors
- Observer Gantt chart is now responsive to task tree changes like node expand/collapse and scrolling

JACS for MS Project:

- JACS Slack and Project Slack when there are links with lag periods between tasks with different calendars now match
- RIFT calculation works when schedule includes risk register starting at level 1

JACS for P6:

- Risks can now be added as the last task of a parent without error
- Added loading screens and progress bars

For other available downloads, visit the [Downloads section](#) online.



ACEIT Training

Our training courses are designed to give you hands-on experience building models using ACEIT!

Open Training Classes - Washington, DC

Apr 25-28	ACEIT 101: Introduction to ACE, CO\$TAT and POST	Enroll Now
May 9-10	RI\$K 102: Introduction to Cost Risk Analysis and ACEIT RI\$K	Enroll Now
May 11-12	Joint Analysis of Cost and Schedule (JACS)	Enroll Now
May 9-12	Training Bundle - 4 Day (RI\$K 102/JACS)	Enroll Now

On-Site Classes

ACEIT training courses can be taught at your location. To get more information about On-Site training or to get a quote, [complete the online request form](#).

Mechanics Training

Need more hands-on training? ACEIT mechanics training can help. We can provide hands-on training to first time users of ACEIT as well as seasoned users. Let us help you get started using ACEIT or provide more advanced training in ACE, CO\$TAT, POST or JACS. E-mail [ACEIT Training](#) for more information.

Brown Bag Training

ACEIT Brown Bags offer remote training for a specific topic. The training typically runs 1 to 2 hours and is presented by a certified ACEIT trainer. Visit the [training section](#) on the ACEIT website for a list of popular Brown Bags that are available. Contact [ACEIT Training](#) for more information.



Support Alerts

There are no new support alerts posted.

For more details about this support alert and to view the solution, view the [Support Alerts](#) online.



Version Compatibility Chart

ACEIT Version (release date)	Windows OS Version	Microsoft Office Version
7.5 (Aug 2016)	Vista, Windows 7,8 or 10 (32 or 64 bit)	2010,2013,2016 (32 or 64 bit)
7.4b (April 2015) 7.4 (May 2014)	XP, Vista, Windows 7, 8, or 10	2007, 2010, 2013, 2016* (32 or 64 bit)**
7.3a (March 2012) 7.3 (April 2011)	XP, Vista, Window 7 (32 or 64-bit)	2003, 2007,2010 (32-bit only)

* 7.4b is compatible with Office 2016

** ACDB 7.4 compatible with Excel 2007 and 2010 (32 and 64-bit)

View your ACEIT version and release date by selecting File>About in the ACE application.



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