



**2nd Annual ACEIT User Conference
15 January 2008**

**Using Dynamic Equation Columns (DEC) to
Create Tailored Summary Sections in ACE
for Use in POST / Excel and PowerPoint**

**John D. Bryant
Office of the Deputy Assistant Secretary of the Army
For Cost & Economics**



Agenda

- ACE Session Set-up
- POST Worksheet Set-Up
- Export to PowerPoint Slide
- PowerPoint Slide Example
- Using This Summary Section in Other Sessions
- DEC Summaries vs. Other Summaries



ACE Session Set-Up

- Determine Cost Element Structure (CES), Army Version
- Determine CES Parent Row Variable Names & Naming Convention
- Place Bookmarks on CES Parent Rows
- Determine Additional Summary Cost Needs
- Determine Summary Cost Formulas
- Create Needed DEC's
- Make DEC Child Row Entries
- Modify as Needed (Add/Delete/Change DEC's and/or Entries)
- Sensitivity



POST Worksheet Set-Up

- Locate the File and Case
- Determine Type of Report Desired
- Selecting Sections to Display
- Manipulating Data to Get the Desired Slide
- Exporting the Slide to PowerPoint
- Cloning Worksheets
- Updating
- Portability



Export to PowerPoint Slide

- Locating the File and Case to Export
- Type of Report Desired (e.g., print area, etc.)
- Selecting Sections to Display
- Manipulating Picture to Get the Desired Slide
- Exporting the Slide to PowerPoint
- Updates
- Portability



PowerPoint Slide Example

Platform	FY08 \$M	
	APUC	PAUC
ICV - Infantry Carrier Vehicle	\$ 9.07	\$ 9.11
RV - Reconnaissance Vehicle	\$ 6.82	\$ 6.94
MCV - Mortar Carrier Vehicle	\$ 8.11	\$ 8.29
CV - Commander's Vehicle	\$ 20.63	\$ 20.80
FSV - Fire Support Vehicle	\$ 10.93	\$ 11.38
ESV - Engineer Squad Vehicle	\$ 21.18	\$ 21.46
MEV - Medical Evacuation Vehicle	\$ 12.23	\$ 12.32
ATGM - Anti-Tank Guided Missile Vehicle	\$ 12.74	\$ 13.35
NBCRV - NBC Reconnaissance Vehicle	\$ 53.96	\$ 54.15
MGS - Mobile Gun System	\$ 32.34	\$ 32.66

Note: Numbers on this Slide are Notional and do not Represent the Stryker Program in any way.



Using the Summary Section in Other Sessions

- Copy/Paste Summary Section
 - Locating the Rows to Copy/Paste
 - Accept/Reject Summary Section DEC's and other DEC's
- Modify Existing Estimating Section
 - Add / Change Unique IDs on CES Row
 - Add DEC Column Entries on the Appropriate Rows



DEC Summaries vs. Other Summaries

- Dynamic Equation Columns
 - Totals Available Within the ACE Session Using SumIf Function (Useful for PAUC/APUC Calculations).
 - No Limit on DEC's
 - SumIf Can be Used on Several DEC's in the Same Formula (Multiple-Criteria SumIf)
 - Column Name Changes Cascade Throughout Estimate (e.g., Replace Unique ID)
- Category Columns
 - Text Strings are Allowed
 - Report Results are not Available in ACE
 - Only a Fixed Number of Category Columns
 - Only One Criteria Per Report
 - Row Paste Overwrites Existing Category Columns
 - Column Name Changes Need to be Updated in Reports
- Summation Formula Using Unique ID for Each Row.
 - Gets very long, fairly quickly