"Counting Enhancement Projects"

Pam Simonovich

Software Productivity Research, Inc.

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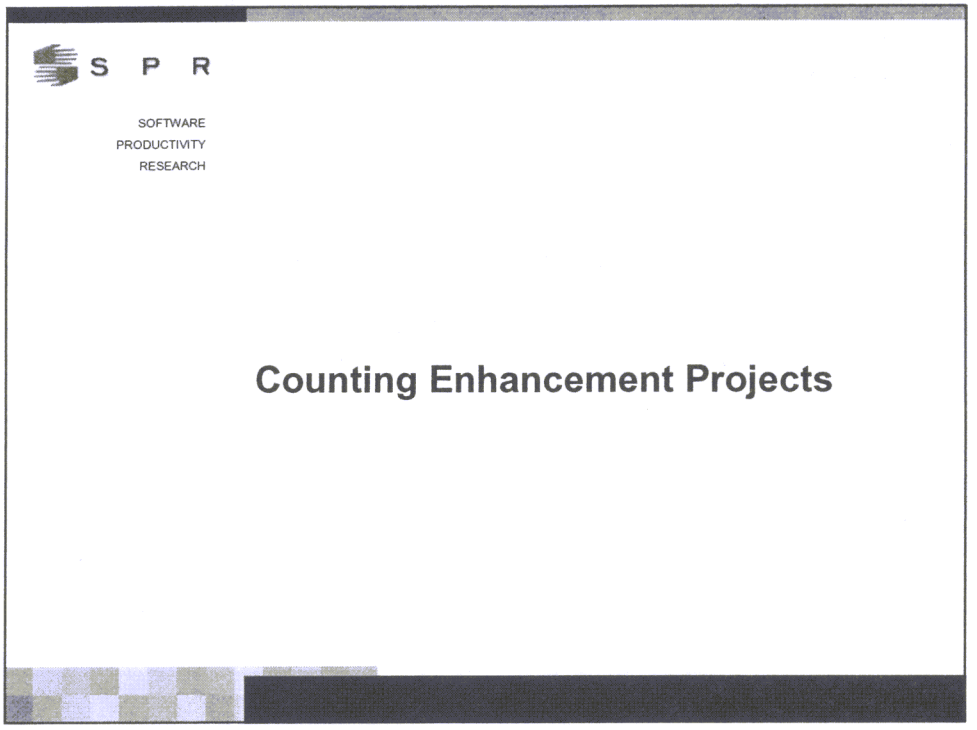

What Counts?

An Enhancement measures modifications to existing applications that add, change or delete user functionality.

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Scope and Boundary

- The boundaries remain the same
- Identify each application boundary within the scope of the enhancement project
- Count each separate enhancement for each application
- Sum the counts for each application enhancement to get total enhancement project count

Counting Data Functions

What counts:

- Count new ILFs and EIFs
- Count the file if it has been structurally altered
- Count if the application is required to reference or maintain an existing field that it did not previously use

Counting Data Functions

What doesn't count:

- If new records are added
- If new values in an existing field are added
- If a field is added but not being used by the application being counted
- The year 2000

Counting Transactional Functions

At least ***one*** of the following three statements must have changed:

- Processing logic has changed
- The set of data elements identified is different
- The ILFs or EIFs referenced are different

Counting Transactional Functions

Adding or removing Data Elements (DETs)

Counting Transactional Functions

Adding or removing File Types Referenced (FTRs)

Counting Transactional Functions

A Change to Processing Logic:

When processing logic has been altered within an application to meet business requirements, the elementary process that embodies that logic should be identified and counted as being changed.

Note: Validate the change to the processing logic actually has an impact on the transaction you are counting, example – does a validation change impact a delete?

Counting Transactional Functions

A Change to Processing Logic:

1. Validations are performed
2. Mathematical formulas and calculations are performed
3. Equivalent values are converted
4. Data is filtered and selected by using specified criteria to compare multiple sets of data
5. Conditions are analyzed to determine which are applicable
6. One or more ILFs are updated

Counting Transactional Functions

A Change to Processing Logic:

7. One or more ILFs or EIFs are referenced
8. Data or control information is retrieved
9. Derived data is created by transforming existing data to create additional data
10. Behavior of the system is altered
11. Prepare and present information outside the boundary
12. Capability exists to accept data or control information that enters the application boundary
13. Data is resorted or rearranged

Counting Hints

- What NEW functionality has been created?
- What user functionality has been CHANGED/MODIFIED?
- What user functionality has been DELETED/REMOVED?
- What Conversion Functionality has been provided?
- What other changes were made??

General System Characteristics

In most cases an enhancement does not normally require a change to the GSCs, some things to consider though include:

- Addition of online functions to batch application
- Increased transaction volumes requiring review of performance
- Additional usability features
- A new Web interface
- A new communication protocol

The Calculations

EFP = [(ADD + CHGA +CFP) * VAFA] + (DEL * VAFB)

AFP = [(UFPB + ADD + CHGA) – (CHGB + DEL)] * VAFA

The End…

Questions??

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