



Graphical Program Flow Interface

By Danny Vandijck



Problem description for ABAP developments

GPFI: Solutions and characteristics

GPFI: example

You want your customized SAP programs documented?

On most of the projects SAP Z-programs are written in a rush where often documentation is postponed or even forgotten. Statistics also show that the highest percentage of issues post go-live are being caused by own developments.

Also modifications done to Z-programs are often not updated in the documentation or done by another developer using another way of documenting.

Which parts of your ABAP are really tested?

After modifications to Z-programs it is not always easy to test the program being sure that you've tested also the new functionalities.

Visualization of performance problems of your ABAPs?

Developers know their way through ABAP coding, performance analyses, etc... Based on their experience but for business support people and functional consultants it is useful to visualize the program structure highlighting the performance problems.

You want your customized SAP programs documented?

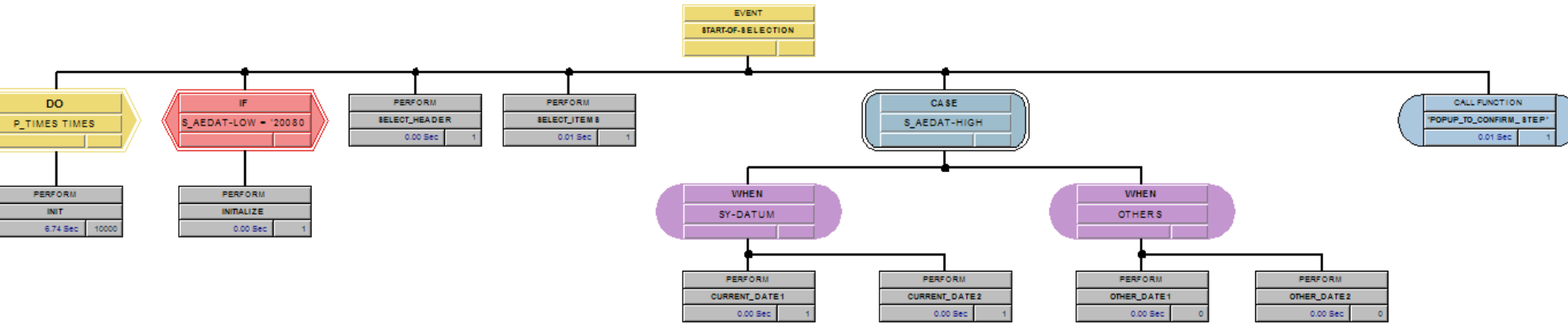
- GPMI will document flows, DDIC objects and ABAP code into MS Word

Which parts of your ABAP are really tested?

- GPMI will tell you if your test didn't pass in certain parts of the code

Visualization of performance problems of your ABAPs?

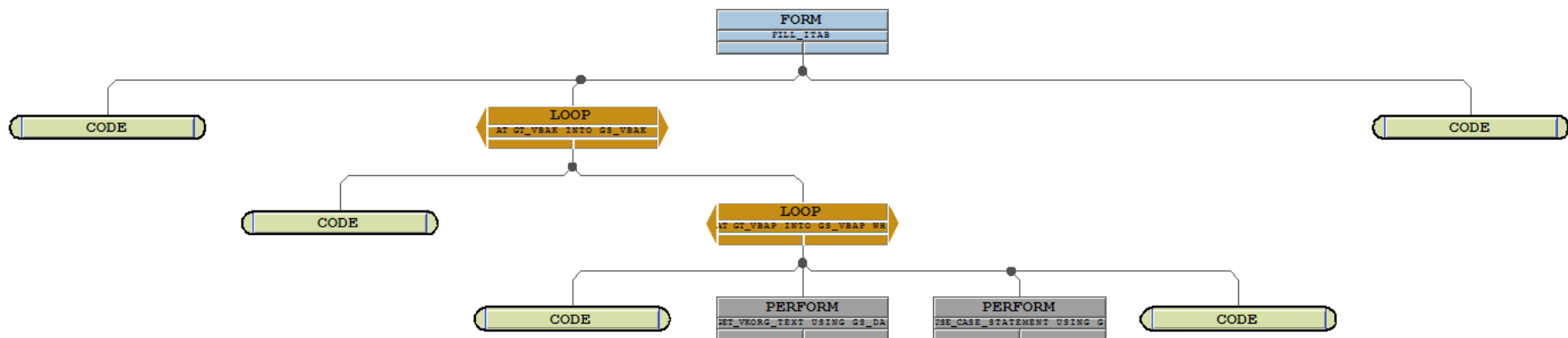
- GPMI will analyze your ABAP and visualize on the flow the number of passes and its runtime in seconds



Characteristics of the GPMI:

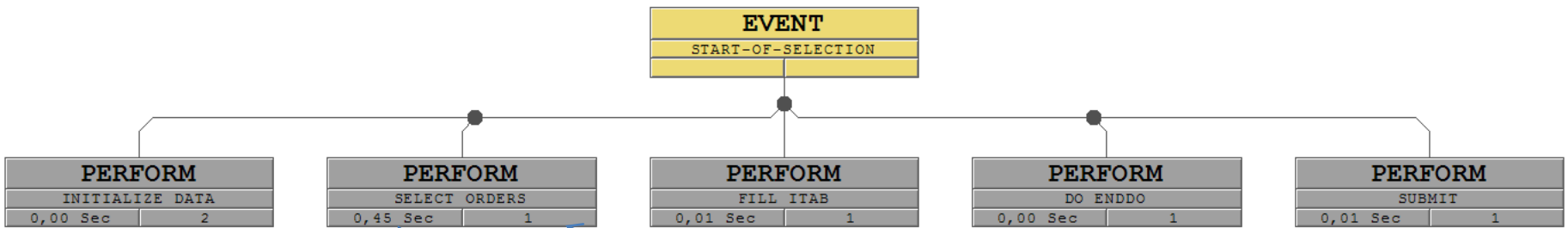
- Visualize the flow of an ABAP program in no-time
- Display the performance and number of passes by object
- Drill down functionality
- Customizable scan objects
- Standard SAP customizing for layout forms
- Word integration of the ABAP documentation
 - ➔ Graphical flows
 - ➔ DDIC headers of standard and/or Z-tables
 - ➔ DDIC details of standard and/or Z-tables
 - ➔ Code objects for: Events, Forms and/or Functions

GPMI: example



You have in the entire flow double-click functionalities so that you can drill down to any level of the code. GPMI has a mapping table linking scanned words like: LOOP, INITIALIZATION, PERFORM, etc... With graphical customizing objects. In case the code contains keywords not being in this mapping table you will see "CODE" instead. You can extend the mapping table to your own wish and needs.

GPFI: example



Since we've selected the "measure runtime" you can also see the **number of passes** in this objects and **the runtime**.

GPMI: example



Next to the standard graphical possibilities like: “Zoom In”, “Zoom out”, “Select all”, “Deselect all”, “Expand” and “Collapse” we have added some extras to the menu:



“Go to ABAP Editor” which will bring you immediately to the ABAP editor for this program





“View Object Code” which will show you the code for the object you’ve selected in the graphical monitor



“Generated Word Document” generating a full word documentation which is customizable as well

GPMI: example

Company name

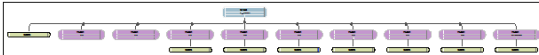
Program Documentation

ZBE_TEST_GPMI

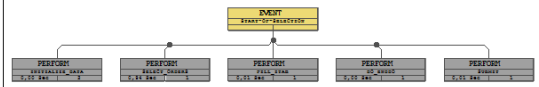
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1 Program flow overview

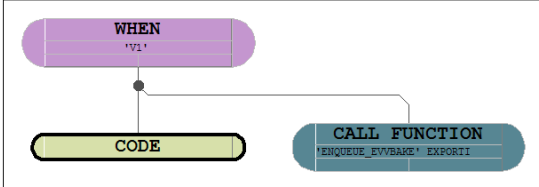
1.1 CASE EXAMPLE



1.2 EVENT: START-OF-SELECTION



1.3 WHEN EXAMPLE



2 Header table description

Then the word documentation is being generated based on your own customizing including customized logos etc...



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Questions about GPFI?

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