**SYSTEM LEVEL TESTING DOCUMENT**

|  |  |
| --- | --- |
| Name of the macro |  |
| Starting date of validation | Click here to enter a date. |
| SAS tester |  |
| Study /datasets used for validation |  |

**WHITE BOX TESTING**

| **Date performed :** | | **Database:** | **OK** | **Not OK** |
| --- | --- | --- | --- | --- |
|  | | | | |
| Step A |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| Step B |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| Step C |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| Step D |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |

General conclusion on white box testing:

**FOOL PROOF TESTING**

*Using the %validator macro test the macro parameters values, the SAS dataset (valid SAS name, existence, not empty,…) , SAS formats if needed,…*

| **Date performed :** | | **Database:** | **OK** | **Not OK** |
| --- | --- | --- | --- | --- |
| REQUIRED PARAMETERS | | | | |
| PRM 1= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM 2= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM3= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM4= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM5= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| YES/NO PARAMETERS | | | | |
| PRM1= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM2= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM3= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM4= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM5= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| NUMERICAL PARAMETERS (integer, in a range of values, acceptable value) | | | | |
| PRM1= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM2= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM3= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| SAS DATASET (existence, not empty, valid SAS name,…) | | | | |
| DATA= | \*Dataset must exist  \*Dataset must contain data  \* DATA= must refer to a valid SAS name | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| SAS VARIABLE (Parameter refers to a variable that must exist, be a numeric/character variable, have an associated format) | | | | |
| PRM1= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM2= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |
| PRM3= |  | |  |  |
| Comments |  | | | |
| *Action* |  | | | |

General conclusion on fool proof testing:

**OTHER CHECKS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Description** | **Importance** | **Comments** |
| SOURCE CODE | The source code is optimally written without obvious mistakes. The macro aborts without producing result in case of issue. | Choose an item. |  |
| OUTPUT LAYOUT | The layout of output fits the requirement for this macro. | Choose an item. |  |
| LOG FILE | The log file is clear and readable. Errors and warnings are easy to catch up. | Choose an item. |  |
| HISTORY | The developer kept track of history of previous versions. | Choose an item. |  |

**SIGNATURE**

|  |  |  |
| --- | --- | --- |
| **Name - function** | **Signature** | **Date** |
| SAS tester |  |  |