

CLAIMS

1. A method for automatically validating data against a predefined data specification, wherein said method comprises steps of:
 - a) acquiring data to be validated, said data comprising a plurality of test objects;
 - b) acquiring a test database comprising a plurality of test files each defining a test scenario;
 - c) acquiring a predefined data specification against which the test objects must be validated;
 - d) automatically generating a plurality of test scripts, from the acquired test files and using relevant data from the test objects of the acquired predefined data specification;
 - e) for each generated test script, executing said test script on the test objects; and
 - f) automatically generating a test report comprising a test result,
wherein, during the step a) of acquiring data to be validated, the following sub-steps are carried out:
 - comparing two files of different versions,
 - filtering mismatching lines of the two files,
 - categorizing the mismatching lines into a plurality of corresponding categories, and
 - for each category, removing all mismatching lines of said category except for one mismatching line of said category.
2. The method according to claim 1, wherein the execution of said test script comprises a comparison of data comprised in the test objects with data comprised in the data specification.
3. The method according to claim 2, wherein the data compared during the execution of said test script comprises at least an attribute of the test objects.
4. The method according to claim 1, wherein said test scripts are automatically generated by a generation module by adding, to a test scenario defined by a test file, a test parameter depending on the test object.
5. The method according to claim 1, wherein the test objects are stored in an XML file.

6. The method according to claim 1, further comprising:
acquisition of user-set formatting options, the test report being generated in a file format according to the acquired formatting options.
7. A non-transitory data recording medium, comprising instructions recorded thereon, executable on an electronic calculator, for implementing the method according to claim 1.
8. An electronic calculator for automatically validating data against a predefined data specification, said electronic calculator comprising a memory and an automated module, the memory having stored therein a program that, upon execution by the automated module, carries out the steps of:
 - a) acquiring data to be validated, said data comprising a plurality of test objects;
 - b) acquiring a test database comprising a plurality of test files each defining a test scenario;
 - c) acquiring a predefined data specification against which the test objects must be validated;
 - d) automatically generating a plurality of test scripts, from the acquired test files and using relevant data from the test objects of the acquired predefined data specification;
 - e) for each generated test script, executing said test script on the test objects; and
 - f) automatically generating a test report comprising a test result,
wherein, during the step a) of acquiring data to be validated, the following sub-steps are carried out:
 - comparing two files of different versions,
 - filtering mismatching lines of the two files,
 - categorizing the mismatching lines into a plurality of corresponding categories, and
 - for each category, removing all mismatching lines of said category except for one mismatching line of said category.