CLAIMS

1. A method for evaluating the compliance of a tracking system (10) with a set of requirements, at least one requirement being a mandatory requirement and at least one requirement being a recommended requirement, each requirement imposing that a physical quantity be greater than or equal to a threshold or that a physical quantity be less than or equal to a threshold, the method for evaluating being implemented by computer, the method for evaluating including at least the following steps:

- acquisition of a set of values, the set of values comprising the values accessible to the tracking system (10) over a predefined time interval,
- for each requirement, calculation of a robustness value, the robustness being calculated as the value p of a statistical test indicating whether the requirement considered is respected or not,
- for each requirement, comparison of each robustness value to a predefined threshold according to a respective comparison criterion, and
- determination of the requirements to which the tracking system (10) is compliant, the requirements determined as compliant being the requirements for which, at the comparison step, it was determined that the comparison criterion is respected.

2. The method according to claim 1, wherein the method further includes, for each robustness value not respecting the comparison criterion, a step of determining the cause of the non-respect with the comparison criterion, the cause being either that the requirement is not respected or that the number of values is too low to guarantee a predefined reliability threshold for evaluating compliance with the requirement considered.

3. The method according to claim 2, wherein, when the determined cause is a number of values too low, the method includes a step of deducing a number of additional values to be acquired in order to obtain an evaluation reliability greater than the predefined reliability threshold.

4. The method according to claim 3, wherein the method includes an iteration of the acquisition, calculation and comparison steps until the number of values allowing to obtain an evaluation reliability greater than the predefined reliability threshold or reaches a maximum predefined number with an evaluation reliability lower than the predefined threshold.

5. The method according to claim 4, wherein the method further includes a step of issuing an alert for not respected requirements or for requirements whose number of values of the acquisition, calculation and comparison steps has reached the maximum predefined number with an evaluation reliability lower than the predefined threshold.

6. The method according to claim 4 or 5, wherein the maximum number is comprised between 40,000 and 60,000.

7. The method according to any one of claims 1 to 6, wherein, during the calculation step, an integral of a regularized incomplete beta function is calculated.

8. The method according to claim 7, wherein, during the calculation step, a p-value is equal to the result of the integral and another p-value is a linear function of the result of the integral.

9. The method according to any one of claims 1 to 8, wherein during the calculation step, a cumulative distribution function of the standard normal distribution is calculated.

10. The method according to any one of claims 1 to 9, wherein the method further includes:

- a step of applying an evaluation function specific to each requirement to the p-values to obtain evaluation values, and
- a step of using the evaluation values to obtain a global score evaluating the compliance of the tracking system (10) with all the requirements.

11. The method according to any one of claims 1 to 10, wherein the number of requirements is greater than or equal to 20.

12. The method according to any one of claims 1 to 11, wherein the tracking system (10) provides measurement estimations from previous data from multiple sensors (12), the set of values comprising said measurement estimations.

13. An evaluation module (22) for the compliance of a tracking system (10) with a set of requirements, at least one requirement being a mandatory requirement and at least one

requirement being a recommended requirement, each requirement imposing that a physical quantity be greater than or equal to a threshold or that a physical quantity be less than or equal to a threshold, the evaluation module (22) being proper to:

- acquire a set of values, the set of values comprising the values accessible to the tracking system (10) over a predefined time interval,
- for each requirement, calculate a robustness value, the robustness being calculated as the p-value of a statistical test indicating whether the requirement considered is respected or not,
- for each requirement, compare each robustness value to a predefined threshold according to a respective comparison criterion, and
- determine the requirements to which the tracking system (10) is compliant, the requirements determined as compliant being the requirements for which, at the comparison step, it was determined that the comparison criterion is respected.

14. A tracking system (10) comprising an evaluation module (22) according to claim 13.