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Auditing Document

System for the Analysis of Nanoparticles Micrographs

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May 19, 2023 Ameca, Jalisco

5. Auditing

5.1 Introduction

The purpose of this audit is to evaluate the Software Configuration Management (SCM) process and its effectiveness in implementing change requests (CRs). In order to assess the overall performance and identify areas for improvement, the following aspects will be examined.

5.2 Auditing activities

1. Ensuring Baselines and Standards Alignment:

The latest version of the baseline aligns with the approved Change Request (CR) specific to this project. The design, code, and tests have been implemented as intended for the CR-04, CR-05 and CR-06 without considering the other four CRs that were rejected.

2. Verification of Product Build and Documentation:

All process-related documents were accurately created, indicating a high-quality product. The most recent baseline, updated change request control document, and status accounting report are in place.

3. Addressing CR and Test Cases:

The implementation of CR-04, CR-05 and CR-06 adheres to the Software Configuration Management (SCM) process, with the corresponding test cases being applied and documented accordingly.

4. Validation of New Test Results:

Both the existing and new test cases produced positive results, indicating the successful implementation of CR-04, CR-05 and CR-06 without any errors.

5. Handling Test Failures:

No test failures were encountered during the audit process; hence, this step was not required.

6. Confirmation of Resolved Status for CRs:

As per the documentation, CR-01, CR-02, CR-03 and CR-07 were rejected by the committee board, while CR-04, CR-05 and CR-06 were the only ones approved, reflecting the current resolved status.

7. Identification of Main Biases or Mistakes:

- a. Configuration Identification: Although the CI specification could be more specific, it aligns with the intended approach for this product.
- b. Configuration Control: Minor rearrangements of information in the document are necessary, but overall, the representation of the product is satisfactory.
- c. Status Accounting: While the report contains comprehensive information about the SCM process, it would benefit from an introduction or additional

process-related details.

8. Data Quality Check:

All documents were reviewed for clarity, ensuring that each task within the SCM process was adequately expressed.

9. Incident Initiation for Unauthorized Changes:

No unauthorized changes were identified during the SCM process, beyond what was reported in the Status Accounting report.

6. References