**IQ Report**

# **Purpose**

To verify that R-Studio (or similar electronic system) is correctly installed and configured on the target environment. This qualification process covers:

Verification of system prerequisites.

Validation of installation procedures.

Confirmation of functional operability post-installation.

# **Scope**

This IQ report applies to the installation of RStudio on Windows and macOS.

# **Responsibilities**

**Installer:** Responsible for installing RStudio as per the documented procedures.

**Validator:** Responsible for reviewing the installation and ensuring compliance with specifications.

**Approver:** Responsible for approving the IQ report.

# **Hardware requirements compliance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirement** | **Specification** | **Met (Yes/No)** | **Comments** |
| **Processor (CPU)** | At least an Intel Core i3 or equivalent AMD processor |  |  |
| **RAM** | Minimum of 8 GB of RAM |  |  |
| **Storage** | At least 256 GB of SSD storage |  |  |
| **Graphics** | A resolution of 1920x1080 (Full HD) is recommended for better visibility of data and plots |  |  |
| **Operating System** | Windows, macOS, Linux |  |  |

# **Installation Procedure**

Download the RStudio installer from the official website (https://posit.co/products/open-source/rstudio/).

Ensure the system meets the prerequisites listed in Section 4.

Execute the installer and follow the prompts to install RStudio in the default directory or a specified location.

Verify the successful completion of the installation.

**Installation procedure compliance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirement** | **Expected Outcome** | **Met (Yes/No)** | **Comments** |
| |  | | --- | | Installation Path Verification | | |  | | --- | | RStudio installed in the specified location. | |  |  |
| Application Launch Verification | RStudio launches without errors. |  |  |
| Version Verification | Installed version matches the required one. |  |  |
| Dependency Check | Required R version is accessible. |  |  |
| Plugin/Package Manager Functionality | Packages can be installed and loaded. |  |  |

# **Exceptions and Deviations**

Document any exceptions or deviations encountered during the installation process and their resolutions.

|  |  |  |
| --- | --- | --- |
| **Deviation** | **Resolution** | **Date Resolved** |
|  |  |  |

|  |  |  |
| --- | --- | --- |
|  |  |  |

# **Configuration details**

|  |  |
| --- | --- |
| R Version |  |
| R Studio Version |  |
| Sys.info() ? |  |
|  |  |

# **Approval**

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Name | Signature | Date |
| Prepared By |  |  |  |
| Reviewed By |  |  |  |
| Approved By |  |  |  |

# **Attachments (?)**

Include supporting evidence such as:

Screenshots of successful installation.

Console output from tests (e.g., script execution, package installation).

List of packages +versions?