# Requirements V&V Matrix

{# Document title #}

| **Requirement** | **Verification Method** | | **Component** | **Doc or Test Case Number(s)** |
| --- | --- | --- | --- | --- |
| {%tr for requirement in requirements %}{# For loop that iterates through each "requirement" object in the "requirements" list. The "tr" tag indicates a table row. #}  {% if requirement.verification\_methods %}{# Conditional that checks if the current "requirement" has any associated verification methods. #} | | | | |
| {%tr for rvm in requirement.verification\_methods %}{# Nested for loop that iterates through each "verification method" associated with the current "requirement". Again, "tr" indicates a table row. #} | | | | |
| {%tr for cvm in rvm.component\_vms %}{# Another nested for loop, this time iterating through each "component verification method" associated with the current "verification method". #} | | | | |
| {{ requirement.identifier }}{# Inserts the identifier of the current "requirement". #} | | {{ rvm.name }}{# Inserts the name of the current "verification method". #} | {{ cvm.name }}{# Inserts the name of the current "component verification method". #} | {{ cvm.closeout\_reference }}{# Inserts the document or test case number associated with the current "component verification method". #} |
| {%tr endfor %}{# End of loop for "component verification methods". #} | | | | |
| {%tr endfor %}{# End of loop for "verification methods". #} | | | | |
| {% endif %}{# End of conditional block checking for verification methods. #}{%tr endfor %}{# End of main loop for "requirements". #} | | | | |