| **Assurance Activity** | **Test Plan** | **Test Results** | **Record****(Including Digital)** |
| --- | --- | --- | --- |
| Scripted Testing: Robust | * Test objectives
* Test cases (step-by-step procedure)
* Expected results
* Independent review and approval of test cases
 | * Pass/fail for test case
* Details regarding any failures/deviations found
 | * Intended use
* Risk determination
* Detailed report of testing performed
* Pass/fail result for each test case
* Issues found and disposition
* Conclusion statement
* Record of who performed testing and date
* Established review and approval when appropriate
 |
| Scripted Testing: Limited | * Limited test cases (step-by-step procedure) identified
* Expected results for the test cases
* Identify unscripted testing applied
* Independent review and approval of test plan
 | * Pass/fail for test case identified
* Details regarding any failures/deviations found
 | * Intended use
* Risk determination
* Summary description of testing performed
* Pass/fail test result for each test case
* Issues found and disposition
* Conclusion statement
* Record of who performed testing and date
* Established review and approval when appropriate
 |
| Unscripted Testing:Ad-hoc | * Testing of features and functions with no test plan
 | * Details regarding any failures/deviations found
 | * Intended use
* Risk determination
* Summary description of features and functions tested and testing performed
* Issues found and disposition
* Conclusion statement
* Record of who performed testing and date of testing
* Established review and approval when appropriate
 |
| Unscripted Testing:Error guessing | * Testing of failure-modes with no test plan
 | * Details regarding any failures/deviations found
 | * Intended use
* Risk determination
* Summary description of failure-modes tested and testing performed
* Issues found and disposition
* Conclusion statement
* Record of who performed testing and date of testing
* Established review and approval when appropriate
 |
| Unscripted Testing:Exploratory Testing | * Establish high level test plan objectives (no step-by-step procedure is necessary)
 | * Pass/fail for each test plan objective
* Details regarding any failures/deviations found
 | * Risk determination
* Summary description of the objectives tested and testing performed
* Pass/fail test result for each objective
* Issues found and disposition
* Conclusion statement
* Record of who performed testing and date of testing
* Established review and approval when appropriate
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