| **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 |