

	REGRESSION TESTING	SMOKE TESTING	SANITY TESTING
TESTS	The functionality of all affected areas after new functionality /code changes in the existing build.	Stability of a new build.	Stability of a new functionality or code changes in the existing build.
PERFORMED ON	Stable builds.	Initial builds.	Stable builds.
WHEN TO PERFORM	<ul style="list-style-type: none">- After enhancing software with new features.- After making code changes because of the requirement updates.- After fixing bugs.	<ul style="list-style-type: none">- After developers add new features to existing functionality.- When there is a fresh software build, either new or slightly changed.	<ul style="list-style-type: none">- In case a software build has undergone many regression tests.- If there are minor changes in the code.- When a build comes after bug fixing, and deployment is due.
COVERS	Unchanged parts of the software – to discover whether newly added features have affected the existing functionality.	End-to-end basic functionalities.	Each of the crucial changes.
OBJECTIVE	Verify that a platform continues to work as intended after code revisions, updates, or optimizations.	Verify the stability of the application to continue with further testing.	<ul style="list-style-type: none">- Verify and validate the veracity of newly added functionalities.- Evaluate the accuracy of these features.- Ensure that introduced changes haven't affected existing functionalities.
EXECUTED BY	QA engineers, often via automation.	QA engineers, sometimes by developers.	QA engineers.