

The Operations Center (S/ES-O)

Quality Assurance Surveillance Plan

The following chart sets forth the performance standards and quality levels the code and documentation provided by the Contractor must meet, and the methods that the government will use to assess the standard and quality levels of that code and documentation for every sprint.

Deliverable	Performance Standard(s)	Acceptable Quality Level	Method of Assessment
Tested Code	Code delivered under the order must have substantial test code coverage and a clean code base Version-controlled State GitHub repository of code that comprises product that will remain in the government domain	Minimum of 90% test coverage of all code. All areas of code are meaningfully tested.	Combination of manual review and automated testing
Properly Styled Code	GSA 18F Front-End Guide	0 linting errors and 0 warnings	Combination of manual review and automated testing

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Accessible	Web Content Accessibility Guidelines 2.1 AA standards	0 errors reported using an automated scanner and 0 errors reported in manual testing	http://squizlabs.github.io/HTML_CodeSniffer/ or https://github.com/pa11y/pa11y
Deployed	Code must successfully build and deploy into staging environment.	Successful build with a single command	Combination of manual review and automated testing

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Documentation	<p>All dependencies are listed and the licenses are documented.</p> <p>Major functionality in the software/source code is documented.</p> <p>Individual methods are documented inline in a format that permit the use of tools such as JSDoc. System diagram is provided.</p>	Combination of manual review and automated testing, if available	Manual review
Secure	OWASP Application Security Verification Standard 3.0	Code submitted must be free of medium- and high-level static and dynamic security vulnerabilities	Clean tests from a static testing SaaS (such as Snyk or npm audit) and from OWASP ZAP, along with documentation explaining any false positives

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User research	Usability testing and other user research methods must be conducted at regular intervals throughout the development process (not just at the beginning or end).	Research plans and artifacts from usability testing and/or other research methods with end users are available at the end of every applicable sprint, in accordance with the vendor's research plan.	State/18F will manually evaluate the artifacts based on a research plan provided by the vendor at the end of the second sprint and every applicable sprint thereafter.
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