

Peer Code Review Standard

Introduction

Peer code reviews are an essential part of implementing code. GitHub can require that all changes are peer reviewed by different users.

Purpose

This document sets forth the standards for peer code reviews in GitHub.

Standard

Peer Code reviews in GitHub are a way to maintain code styles and ensure code is operational and reviewed before deployment.

The following are standards that should be maintained when reviewing code:

- Objectives.
 - Improving code quality.
 - Enhancing code maintainability.
 - Increasing code reliability.
 - Promoting knowledge sharing.
- Project scope.
 - Code compliance.
 - Security.
 - Functionality.
 - Architecture and design.
 - Documentation and testing.
- High-level requirements.
 - Version control.
 - Collaboration.
 - Security.
 - Integration.
 - Documentation.
 - Customization.
 - Automation.
 - Accessibility.
 - Analytics.
 - Training and support.
- Any new process must meet high-level requirements if there is a change in technology.

For workflow, the following should also be observed:

- Stakeholders should be listed and documented.
- Conducting timely reviews.
- Understanding the changes made.
- Focusing on the objectives.
- Providing constructive feedback.
- Being respectful.
- Using the commenting feature built into GitHub.

- Using templates or checklists.
- Acknowledging contributions.

Compliance

This standard shall take effect upon publication and is made pursuant to Title 62 O.S. §§ 34.11.1 and 34.12 and Title 62 O.S. § 35.8. OMES IS may amend and publish the amended standards policies and standards at any time. Compliance is expected with all published policies and standards, and any published amendments thereof. Employees found in violation of this standard may be subject to disciplinary action, up to and including termination.

Rationale

To coordinate and require central approval of state agency information technology purchases and projects to enable the chief information officer to assess the needs and capabilities of state agencies as well as streamline and consolidate systems to ensure that the state delivers essential public services to its citizens in the most efficient manner at the lowest possible cost to taxpayers.

Revision history

This standard is subject to periodic review to ensure relevancy.

Effective date: 11/13/2023	Review cycle: Annual
Last revised: 09/28/2023	Last reviewed: 09/28/2023
Approved by: Joe McIntosh, Chief Information Officer	