



Development testing standard

It is important the services TfL Online provide are defect-free. We carry out code testing to measure the quality of the code and make sure that the code is predictable and consistent, offering no surprises or concerns to our users.

Audience

- Developers
- Testing team
- Project managers

Requirements

1. You **must** test all new tfl.gov.uk sites and services against the scope, entry and exit criteria, and grade them using the defect severity criteria detailed below.

Who	Development team
Scope	<ul style="list-style-type: none"> • Ensure that the code meets agreed requirements • Use a continuous integration environment to continually check in code updates and run an automated unit test suite • Use a mixture of automated and manual content migrations
Entry criteria	<ul style="list-style-type: none"> • The scope of the requirements must be defined • TfL Online’s 5a Request Form acceptance criteria must be defined
Exit criteria	<ul style="list-style-type: none"> • Code testing must be complete • Outstanding known defects at the end of the code testing must be logged and a severity assigned.
Defects	<ul style="list-style-type: none"> • Sev 1: catastrophic - code as a whole won’t run, or is unusable (eg. build problems, URL problems, crashes) • Sev 2: code will run, but an error renders a key function of the code unusable • Sev 3: code will run, errors present but key functionality still works • Sev 4: code runs and the nature of the problem is cosmetic, and there is little or no negative effect on TfL

2. Once code testing is completed it **must** be deployed to the test environment and it must be tested against the following requirements:

- Business scenario
- Accessibility
- Compatibility

Why we do this

We carry out code testing to establish confidence that the code does what it is supposed to do, offering a predictable and consistent experience for users.

Further reading

- [Testing your service](#)

Type: Standard
Owner: TfL Online Compliance
Department: TfL Online

Version History

Version	Date	Summary of changes
1.0	07/11/2013	First issue

Review History

Name	Title	Date	Comments
------	-------	------	----------