Smoke

**Task:** Test the parcel searching on the Trackster site.

**Smoke Testing Procedure:** enter the existing tracking number in the ‘Track Number’ field on the main page. Click on the search button and verify the result page has opened.

Functional testing

**1. Task:** Test parcel searching by track number.

**Functional Testing Procedure:** put the existing track number into the 'Track number' field and click the search button. Verify search result page has opened and has the information about the current parcel.

**2. Task:** Test parcel searching by QR code.

**Functional Testing Procedure:** click on the button with the photo icon in the parcel tracker field and give access to the device's camera and microphone. Scan the QR code with the correct track number and check that this number has auto-filled in the search field. Click on submit button. Verify search result page has opened and has the information about the current parcel.

Non-functional testing

Performance testing

**Task:** The server should respond in less than 1 sec when up to 100 users access it concurrently. The server should respond in less than 2 sec when up to 300 users access it concurrently.

**Performance Testing Procedure:** check the response time of the server with 100 and 300 users at the same time.

Load testing

**Task:** The server should allow up to 600 concurrent connections.

**Load Testing Procedure:** emulate different amounts of requests to server close to pick value, for instance, measure time for 500, 550, 600 concurrent users. Verify that the server can respond correctly to the maximum number of users.

Stress testing

**Task:** The server should allow up to 1000 concurrent connections.

**Stress Testing Procedure:** emulate the number of requests to the server greater than the pick value, for instance, check system behavior for 1001, 1010, and 1050 concurrent users. Verify that ‘1000+’ users get an appropriate error message from the server. (e.g. ‘*an error occurred, please try again later’*) The server should not crash due to overload.

Localization testing

**Task:** Verify the main page on the site is translated into English

**Localization Testing Procedure:**

Test that the main page on the site is translated to English