

## Test Plan for Project: NCIC Warrant Web Form

### I. High-level Tests

#### Usability and Navigation Test

Objective: To ensure that the web form is easy to use and navigate, and the menu is functional on different screens.

Verify that the popout menu at the top left is present and functional.

Ensure proper navigation between Home, Enter, Modify, and Cancel screens.

Check if the web form is usable in the desktop version of Chrome.

Test the form on various modern browsers (Safari, Firefox, Edge) and mobile devices to check for compatibility issues.

#### Error Handling and Validation Test

Objective: To ensure that errors are properly detected, contextualized error messages are displayed, and incorrect entries are highlighted in red.

Test scenarios with missing required fields.

Test scenarios with invalid characters entered.

Test scenarios with invalid lengths for fields.

Test scenarios with incorrect height field length.

Test scenarios with invalid dates entered.

### II. Low-level Tests

#### Enter Wanted Requirements Test

Objective: To ensure that the Enter Wanted screen accurately generates and submits the text for adding a warrant.

Test with valid data and verify that the text is generated correctly.

Test with invalid data and verify that the proper error messages are displayed.

#### Modify and Cancel Wanted Requirements Test

Objective: To ensure that the Modify and Cancel Wanted screens accurately generate and submit the text for editing or deleting a warrant.

Test with valid data and verify that the text is generated correctly for both Modify and Cancel screens.

Test with invalid data and verify that the proper error messages are displayed for both Modify and Cancel screens.

### III. Smoke/Sanity Test

#### End-to-End Functionality Test

Objective: To perform a basic run-through of the entire site to ensure that all core functionalities are working as intended.

Navigate to the Home screen and verify its content.

Navigate to the Enter Wanted screen, input valid data, and verify the generated text.

Navigate to the Modify Wanted screen, input valid data, and verify the generated text.

Navigate to the Cancel Wanted screen, input valid data, and verify the generated text.

Test error handling by intentionally inputting invalid data on all screens and verify that the proper error messages are displayed and incorrect entries are highlighted in red.