

OLA

New Application Test Strategy

Motability Operations

Document Number: MOT\_OLA\_TS-001

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# Document Control

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# TEst strategy identifier

The unique identifier for this Test Strategy is: MOT\_OLA\_TS-001

# Introduction

The Test Strategy documents and tracks the necessary information required to effectively define the approach to be used in the New Application process for a customer visiting a dealer, acting on behalf of Motability Operations and the OLA application features.

The Test Strategy document is created during the Planning Phase of the project. Its intended audience is the Principal Software Engineer, Continuous Delivery Test Lead, Project Manager, Business Analysts, Product Owner, and the testing team.

# Purpose

The purpose of this Test Strategy is to define the overall approach that will be taken by the Test Team when delivering the required testing for the OLA New Application project.

The document helps to clarify the testing activities, roles and responsibilities, processes and practice to be used across the project user flow. To define and document acceptance criteria based on functional requirements.

To verify, validate and measure the quality of software delivered and to ensure that testing in all forms and all stages is performed effectively to demonstrate that the product satisfies the end-user requirements.

**ROLES AND RESPONSIBILITIES (Quality Assurance)**

|  |  |
| --- | --- |
| **Role** | **Role and Authority** |
| Continuous Delivery Test Lead | Driving quality by setting the guidelines & standards.  Ensuring adherence to standard & guidelines - Continuous improvement in processes, training, and development, reviewing of all documentation. |
| QA Automation Tester | Automation Tester to comply with the test policy, strategy, guidelines, and standards set.  The selected framework to be robust to ensure flexibility in enhancing of test scripts and re-usability.  All product specific regression packs to be automated as per the specifications.  Identify automation and performance needs.  Make recommendations for future enhancements.  Using proper testing techniques to improve quality of the product (feature) under test.  Test case planning and design.  Monitors and reports on quality assurance activities and product risks.  Defines test conditions for given requirements. |

# high level product process

* Create the Initial Application
* Indicate the customer has accepted DWP consent to share their information with a third party
* Add driver details (up to 3 drivers)
* Add any vehicle adaptations
* Add the estimated delivery date
* Confirm customer communication preferences
* Submit the application

# Eligibility checks during submission process

* Awards Check
  + The customer is receiving the relevant disability benefit
* Driver Check
  + The driver names against the DVLA to verify details

# driver details eligibility checks

* *DRIVER\_WITH\_AUTOMATIC\_LICENCE\_CANNOT\_DRIVE\_MANUAL\_VEHICLE*
  + The rule will fail if the vehicle has manual transmission and the driver has an automatic licence.
* *AT\_LEAST\_ONE\_DRIVER\_WITH\_FULL\_LICENCE*
  + The rule will pass if there is at least one driver with a full entitlement (i.e. not provisional), if not it will fail.
* *DRIVER\_IS\_DISQUALIFIED*
  + The rule will fail if the driver is disqualified at the moment.
* *DAG\_V2\_DRIVER\_LICENCE\_CATEGORY\_GHI\_ENDORSEMENT*
  + The rule will fail if the driver licence has 4 or more endorsements in the last 4 years from categories G, H, and I combined.
* *DAG\_V2\_DRIVER\_LICENCE\_CATEGORY\_G\_ENDORSEMENT*
  + The rule will fail if the driver has two or more endorsements in the last 4 years from category G and has a conviction date in the past 4 years.
* *DAG\_V2\_DRIVER\_LICENCE\_CATEGORY\_F\_ENDORSEMENT*
  + The rule will fail if the driver has any endorsements in the last 4 years from category F and has a conviction date in the past 4 years.

# FEATURES IN SCOPE / OUT OF SPOCE

Below is a High-Level overview of the features that will be tested by the testing team during the New Application process when using the OLA application. Refer to the Motability Operation - MOT\_OLA\_TS-001 - New Application Test Cases.xlsx document for the full test case details and steps.

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Feature** | **Test Type** | **In Scope / Out of Scope** |
| **1** | OLA APPLICATION | UI Functional | In Scope |
| **1.1** | Login | Pre-condition | In Scope |
| **1.2** | Create initial application | Regression | In Scope |
| **1.2.1** | OLA\_newApplicaton | API – Postman {.json} | In Scope |
| **1.3** | Customer has accepted DWP consent | Regression | In Scope |
| **1.4** | Add drivers | Regression | In Scope |
| **1.5** | Add any vehicle adaptations | Regression | In Scope |
| **1.6** | Add the estimated delivery date | Regression | In Scope |
| **1.7** | Confirm customer communication preferences | Regression | In Scope |
| **1.8** | Submit the application | Regression | In Scope |
| **2** | ELIGIBILITY CHECKS  DVLA | API | In Scope |
| **2.1** | Awards check | API | In Scope |
| **2.2** | Driver with automatic licence cannot drive manual vehicle | API | In Scope |
| **2.3** | At least one driver with full licence | API | In Scope |
| **2.4** | Driver is disqualified | API | In Scope |
| **2.5** | DAG V2 driver licence category GHI endorsement | API | In Scope |
| **2.6** | DAG V2 driver licence category G endorsement | API | In Scope |
| **2.7** | DAG V2 driver licence category F endorsement | API | In Scope |

1. **RISKS, ASSUMPTIONS, ISSUES AND DEPENDENCIES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Risk** | **Impact** | **Probability** | **Mitigation Plan** | **Risk Owner** | **Remarks** |
| **Delay of Environment Setup** | High | Medium | Project Manager / Product Owner to advice of any delays and adjust Release Scope.  Timelines adjusted and execute high priority test first | PM  PO  Continuous Delivery Test Lead |  |
| **Defect Management** | High | Medium | Effective management of defect resolution would be required from Development and the Automation Tester to ensure defects are fixed and available for re-testing in a timely manner before release. | Dev  Automation Tester |  |
| **Test Case coverage** | High | Medium | All possible test scenarios are catered for in the initial test cases creation and automation process | Continuous Delivery Test Lead Automation Tester |  |