



Vera C. Rubin Observatory  
Data Management

# DM Verification Control Document

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## Abstract

The DM Verification Control Document is an extract from the LSST-wide systems engineering verification database (based on Jira) which, provides an overview of the verification status of the Data Management Subsystem with respect to its requirements.

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# DM Verification Control Document

## 1 Introduction

The requirements on the LSST Data Management System are described in LSE-61 and in the various lower-level requirements documents (e.g. LDM-554, LDM-555, LDM-636, etc), all of which are derived from LSE-61. These requirements are verified by running tests, and recording the results of those tests in the LSST Jira system. The general approach to testing and verification in DM is described in more detail in LDM-503; note, in particular, the concepts and vocabulary described in LDM-503 §2.3.2.

This Verification Control Document (VCD) provides a summary of the status of requirements verification: which requirements are covered by which tests, and how many of those tests have been executed successfully. Section 2 presents a brief overview; the remainder of the document provides a matrix displaying all of the DM requirements, their corresponding verification elements, the applicable tests, and whether those tests have been executed.

The matrix is fully linked: any given test case mentioned in the matrix such as, LWV-T362, provides a link to the Jira element defining that test case. Similarly, relevant documentation such as test reports like DMTR-111 are linked to the bibliography and thence to the report itself<sup>1</sup>.

### 1.1 Applicable Documents

|         |                                  |
|---------|----------------------------------|
| LSE-61  | LSST DM Subsystem Requirements   |
| LDM-503 | LSST DM Test Plan                |
| LDM-639 | DM Acceptance Test Specification |

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<sup>1</sup>As such, you may find it useful to remember the appropriate keyboard shortcuts — often ⌘+[ (macOS) or ctrl+← (Windows/Linux) — to return to your previous position.

## 2 Summary Information

Table 1 provides an overview of the requirements and verification elements coverage.

|                           | <i>Priority</i> | <i>Fully Verified</i> <sup>2.1.1</sup> | <i>Partially Verified</i> <sup>2.1.2</sup> | <i>With Failures</i> <sup>2.1.3</sup> | <i>Not Verified</i> <sup>2.1.4</sup> | <i>Not Covered</i> <sup>2.1.5</sup> | <i>Total</i> |
|---------------------------|-----------------|--|--|---------------------------------------|--------------------------------------|-------------------------------------|--------------|
| <b>DM Requirements</b>    | (All)           | 129                                    | 95   | 1                                     | 315                                  | 237                                 | <b>777</b>   |
| LSE-61                    | 1a              | 17                                     | 14   |                                       | 25                                   | 2                                   | <b>58</b>    |
|                           | 1b              | 17                                     | 20   | 1                                     | 70                                   | 3                                   | <b>111</b>   |
|                           | 2               | 3                                      | 4  |                                       | 44                                   | 3                                   | <b>54</b>    |
|                           | 3               |  |  |                                       | 6                                    |                                     | <b>6</b>     |
|                           | Not Set         |  |  |                                       |                                      | 1                                   | <b>1</b>     |
|                           | (All)           | 37                                     | 38   | 1                                     | 145                                  | 9                                   | <b>230</b>   |
| LSE-68                    | Not Set         |  |  |                                       |                                      | 19                                  | <b>19</b>    |
| LSE-69                    | Not Set         |  |  |                                       |                                      | 16                                  | <b>16</b>    |
| LSE-72                    | Not Set         |  |  |                                       |                                      | 52                                  | <b>52</b>    |
| LSE-75                    | Not Set         |  |  |                                       |                                      | 9                                   | <b>9</b>     |
| LSE-130                   | Not Set         |  |  |                                       |                                      | 31                                  | <b>31</b>    |
| LSE-131                   | Not Set         |  |  |                                       |                                      | 12                                  | <b>12</b>    |
| LSE-140                   | Not Set         |  |  |                                       |                                      | 30                                  | <b>30</b>    |
| LDM-554                   | Not Set         | 17                                     | 57   |                                       | 162                                  |                                     | <b>236</b>   |
| LSE-400                   | Not Set         |  |  |                                       |                                      | 15                                  | <b>15</b>    |
| LDM-556                   | 1a              | 50                                     |  |                                       | 8                                    | 28                                  | <b>86</b>    |
|                           | 1b              | 1                                      |  |                                       |                                      | 4                                   | <b>5</b>     |
|                           | 2               | 2                                      |  |                                       |                                      | 2                                   | <b>4</b>     |
|                           | 3               | 1                                      |  |                                       |                                      |                                     | <b>1</b>     |
|                           | Not Set         | 21                                     |  |                                       |                                      | 10                                  | <b>31</b>    |
|                           | (All)           | 75                                     |  |                                       | 8                                    | 44                                  | <b>127</b>   |
| <b>DM Verification E.</b> | (All)           | 151                                    | 92   | 1                                     | 353                                  | 407                                 | <b>1004</b>  |

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Table 1: Summary overview of all DM requirements and verification elements.

Table 2 provides the Test Cases result summary.

|                    | <i>Passed</i> <sup>2.2.1</sup> | <i>P. w/Dev.</i> <sup>2.2.2</sup> | <i>Failed</i> <sup>2.2.3</sup> | <i>Not Ex.</i> <sup>2.2.4</sup> | <i>Total</i> |
|--------------------|--------------------------------|-----------------------------------|--------------------------------|---------------------------------|--------------|
| Test Cases Results | 155                            | 12                                | 1                              | 465                             | <b>633</b>   |

Table 2: Summary overview of DM test cases executions.

Note that test cases may be associated with multiple requirements or verification elements, and requirements or verification elements may be associated with multiple test cases.

## 2.1 Coverage Description

The coverage of each Verification Element and Requirement is characterized by one of the statuses defined below.

### 2.1.1 Fully Verified

These are the Verification Elements and Requirements for which all of the associated Test Cases have been successfully executed. The last execution status for all test cases shall be **Passed** or **Passed w/Deviation**.

### 2.1.2 Partially Verified

These are the Verification Elements and Requirements for which at least one of the associated Test Cases have been successfully executed. The last execution status of the test cases shall

be **Not Executed**, **Passed** or **Passed w/Deviation**.

### 2.1.3 With Failures

These are the Verification Elements and Requirements for which at least one of the associated Test Cases has a **Failure** as execution result.

### 2.1.4 Not Verified

These are the Verification Elements and Requirements for which none of the associated Test Cases have been executed.

### 2.1.5 Not Covered

These are the Verification Elements and Requirements for which there are not any associated Test Cases.

## 2.2 Test Executions Description

### 2.2.1 Passed

Test cases that have been executed without any problems. Issues may have been found during the execution, and linked to the test case, but they do not affect the verification process.

### 2.2.2 Passed with Deviation

Test cases for which the execution can be considered successful, but a deviation to the requirement is needed. The deviation shall be recorded in a Jira issue, type *Deviation* and linked to the test.

### 2.2.3 Failed

The test case execution failed. One or more Jira issues shall be filed and related with the test.



## 2.2.4 Not Executed

The test case has not been executed yet.

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### 3 Verification Control

In the following subsections, a detailed overview of the requirements coverage for each specification is provided.

Where available, the priority is reported in round brackets, under the requirement or verification element identifier. For example (p.1a) denotes a 1a priority requirement. Requirements and verification elements for which no priority (p.) is specified inherit the priority for the higher-level requirement from which they are derived. For a full description of the prioritization levels, see LSE-61.

#### 3.1 LSE-61 Requirements Coverage

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element   | Test Case           | Last Run              | Test Status      |
|--------------------------------|------------------------|---------------------|-----------------------|------------------|
| DMS-REQ-0002<br>LSE-61 (p. 1b) | LVV-3<br>LVV-3 (p. 1b) | LVV-T101<br>LDM-639 |                       | Not Executed     |
|                                |                        | LVV-T217<br>LDM-639 | 2018-07-04            | Pass w/Deviation |
| DMS-REQ-0008<br>LSE-61 (p. 1b) | LVV-5<br>LVV-5 (p. 1b) | LVV-T171<br>LDM-639 |                       | Not Executed     |
|                                |                        | LVV-T287<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0009<br>LSE-61 (p. 1b) | LVV-6<br>LVV-6 (p. 1b) | LVV-T125<br>LDM-639 | 2020-11-03<br>LVV-P71 | Passed           |
| DMS-REQ-0010<br>LSE-61 (p. 1b) | LVV-7<br>LVV-7 (p. 1b) | LVV-T36<br>LDM-639  | 2020-10-02<br>LVV-P71 | Passed           |
| DMS-REQ-0018<br>LSE-61 (p. 1a) | LVV-8<br>LVV-8 (p. 1a) | LVV-T29<br>LDM-639  |                       | Not Executed     |
|                                |                        | LVV-T283<br>LDM-639 | 2019-05-22<br>LVV-P45 | Passed           |
|                                |                        | LVV-T284<br>LDM-639 | 2019-06-24<br>LVV-P10 | Passed           |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element          | Test Case            | Last Run              | Test Status  |
|--------------------------------|-------------------------------|----------------------|-----------------------|--------------|
|                                |                               | LVV-T1549<br>LDM-639 | 2020-08-20<br>LVV-P50 | Passed       |
|                                |                               | LVV-T1550<br>LDM-639 | LVV-P54               | Not Executed |
|                                |                               | LVV-T1556<br>LDM-639 | 2020-09-03<br>LVV-P55 | Passed       |
|                                |                               | LVV-T1934<br>LDM-639 | 2020-10-28<br>LVV-P76 | Passed       |
| DMS-REQ-0020<br>LSE-61 (p. 1a) | LVV-9<br>LVV-9 (p. 1a)        | LVV-T30<br>LDM-639   |                       | Not Executed |
|                                |                               | LVV-T283<br>LDM-639  | 2019-05-22<br>LVV-P45 | Passed       |
|                                |                               | LVV-T284<br>LDM-639  | 2019-06-24<br>LVV-P10 | Passed       |
|                                |                               | LVV-T1549<br>LDM-639 | 2020-08-20<br>LVV-P50 | Passed       |
|                                |                               | LVV-T1556<br>LDM-639 | 2020-09-03<br>LVV-P55 | Passed       |
| DMS-REQ-0022<br>LSE-61 (p. 2)  | LVV-10<br>LVV-10 (p. Not Set) |                      |                       |              |
| DMS-REQ-0024<br>LSE-61 (p. 1a) | LVV-11<br>LVV-11 (p. 1a)      | LVV-T32<br>LDM-639   | 2022-11-09<br>LVV-P99 | Passed       |
|                                |                               | LVV-T283<br>LDM-639  | 2019-05-22<br>LVV-P45 | Passed       |
|                                |                               | LVV-T284<br>LDM-639  | 2019-06-24<br>LVV-P10 | Passed       |
|                                |                               | LVV-T1549<br>LDM-639 | 2020-08-20<br>LVV-P50 | Passed       |
|                                |                               | LVV-T1556<br>LDM-639 | 2020-09-03<br>LVV-P55 | Passed       |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element         | Test Case            | Last Run              | Test Status  |
|--------------------------------|------------------------------|----------------------|-----------------------|--------------|
|                                |                              | LVV-T1934            | 2020-10-28<br>LVV-P76 | Passed       |
| DMS-REQ-0029<br>LSE-61 (p. 1b) | LVV-12<br>LVV-12 (p. 1b)     | LVV-T15<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                              | LVV-T19<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T39<br>LDM-639   | 2020-11-03<br>LVV-P71 | Passed       |
| DMS-REQ-0030<br>LSE-61 (p. 1a) | LVV-13<br>LVV-13 (p. 1a)     | LVV-T15<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                              | LVV-T19<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T40<br>LDM-639   | 2020-08-19<br>LVV-P71 | Passed       |
|                                | LVV-9741<br>LVV-9741 (p. 1a) | LVV-T1240<br>LDM-639 | 2020-01-28<br>LVV-P65 | Passed       |
| DMS-REQ-0032<br>LSE-61 (p. 1b) | LVV-14<br>LVV-14 (p. 1b)     | LVV-T126<br>LDM-639  | 2022-08-30<br>LVV-P99 | Passed       |
| DMS-REQ-0033<br>LSE-61 (p. 1a) | LVV-15<br>LVV-15 (p. 1a)     | LVV-T127<br>LDM-639  | 2022-08-23<br>LVV-P99 | Passed       |
| DMS-REQ-0034<br>LSE-61 (p. 1a) | LVV-16<br>LVV-16 (p. 1a)     | LVV-T61<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0042<br>LSE-61 (p. 1b) | LVV-17<br>LVV-17 (p. 1b)     | LVV-T128<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0043<br>LSE-61 (p. 1a) | LVV-18<br>LVV-18 (p. 1a)     | LVV-T21<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T22<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T129<br>LDM-639  | 2022-12-15<br>LVV-P99 | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element     | Test Case            | Last Run              | Test Status  |
|--------------------------------|--------------------------|----------------------|-----------------------|--------------|
| DMS-REQ-0046<br>LSE-61 (p. 2)  | LVV-19<br>LVV-19 (p. 2)  | LVV-T68<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0047<br>LSE-61 (p. 1b) | LVV-20<br>LVV-20 (p. 1b) | LVV-T16<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                          | LVV-T62<br>LDM-639   | 2020-01-23<br>LVV-P65 | Passed       |
| DMS-REQ-0052<br>LSE-61 (p. 1b) | LVV-21<br>LVV-21 (p. 1b) | LVV-T130<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0059<br>LSE-61 (p. 1a) | LVV-22<br>LVV-22 (p. 1a) | LVV-T83<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0060<br>LSE-61 (p. 1a) | LVV-23<br>LVV-23 (p. 1a) | LVV-T84<br>LDM-639   | 2022-08-29<br>LVV-P99 | Passed       |
| DMS-REQ-0061<br>LSE-61 (p. 1a) | LVV-24<br>LVV-24 (p. 1a) | LVV-T85<br>LDM-639   | LVV-P72               | Not Executed |
| DMS-REQ-0062<br>LSE-61 (p. 1b) | LVV-25<br>LVV-25 (p. 1b) | LVV-T86<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0063<br>LSE-61 (p. 1b) | LVV-26<br>LVV-26 (p. 1b) | LVV-T87<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0065<br>LSE-61 (p. 1b) | LVV-27<br>LVV-27 (p. 1b) | LVV-T134<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0068<br>LSE-61 (p. 1a) | LVV-28<br>LVV-28 (p. 1a) | LVV-T33<br>LDM-639   | 2023-01-09<br>LVV-P99 | Not Executed |
|                                |                          | LVV-T283<br>LDM-639  | 2019-05-22<br>LVV-P45 | Passed       |
|                                |                          | LVV-T284<br>LDM-639  | 2019-06-24<br>LVV-P10 | Passed       |
|                                |                          | LVV-T286<br>LDM-639  | 2019-05-22<br>LVV-P45 | Passed       |
|                                |                          | LVV-T1549<br>LDM-639 | 2020-08-20<br>LVV-P50 | Passed       |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element     | Test Case            | Last Run              | Test Status  |
|--------------------------------|--------------------------|----------------------|-----------------------|--------------|
|                                |                          | LVV-T1550<br>LDM-639 | LVV-P54               | Not Executed |
|                                |                          | LVV-T1556<br>LDM-639 | 2020-09-03<br>LVV-P55 | Passed       |
| DMS-REQ-0069<br>LSE-61 (p. 1a) | LVV-29<br>LVV-29 (p. 1a) | LVV-T15<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                          | LVV-T18<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                          | LVV-T19<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                          | LVV-T38<br>LDM-639   | 2020-11-04<br>LVV-P71 | Passed       |
|                                |                          | LVV-T2334<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0070<br>LSE-61 (p. 1b) | LVV-30<br>LVV-30 (p. 1b) | LVV-T15<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                          | LVV-T19<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                          | LVV-T41<br>LDM-639   | 2020-02-04<br>LVV-P65 | Passed       |
| DMS-REQ-0072<br>LSE-61 (p. 1a) | LVV-31<br>LVV-31 (p. 1a) | LVV-T15<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                          | LVV-T19<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                          | LVV-T42<br>LDM-639   | 2022-08-30<br>LVV-P99 | Passed       |
| DMS-REQ-0074<br>LSE-61 (p. 1b) | LVV-32<br>LVV-32 (p. 1b) | LVV-T20<br>LDM-639   | 2019-05-22<br>LVV-P44 | Failed       |
|                                |                          | LVV-T37<br>LDM-639   |                       | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element     | Test Case            | Last Run              | Test Status  |
|--------------------------------|--------------------------|----------------------|-----------------------|--------------|
| DMS-REQ-0075<br>LSE-61 (p. 1a) | LVV-33<br>LVV-33 (p. 1a) | LVV-T149<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0077<br>LSE-61 (p. 1b) | LVV-34<br>LVV-34 (p. 1b) | LVV-T150<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0078<br>LSE-61 (p. 1a) | LVV-35<br>LVV-35 (p. 1a) | LVV-T151<br>LDM-639  | 2022-08-24<br>LVV-P99 | Passed       |
|                                |                          | LVV-T1232<br>LDM-639 | 2022-08-24<br>LVV-P99 | Passed       |
| DMS-REQ-0089<br>LSE-61 (p. 1b) | LVV-36<br>LVV-36 (p. 1b) | LVV-T102<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0094<br>LSE-61 (p. 1b) | LVV-37<br>LVV-37 (p. 1b) | LVV-T152<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0096<br>LSE-61 (p. 1a) | LVV-38<br>LVV-38 (p. 1a) | LVV-T103<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0097<br>LSE-61 (p. 1a) | LVV-39<br>LVV-39 (p. 1a) | LVV-T45<br>LDM-639   | LVV-P71               | Not Executed |
| DMS-REQ-0098<br>LSE-61 (p. 1b) | LVV-40<br>LVV-40 (p. 1b) | LVV-T104<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0099<br>LSE-61 (p. 1b) | LVV-41<br>LVV-41 (p. 1b) | LVV-T46<br>LDM-639   | LVV-P71               | Not Executed |
| DMS-REQ-0100<br>LSE-61 (p. 1b) | LVV-42<br>LVV-42 (p. 1b) | LVV-T105<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0101<br>LSE-61 (p. 1a) | LVV-43<br>LVV-43 (p. 1a) | LVV-T47<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0102<br>LSE-61 (p. 1a) | LVV-44<br>LVV-44 (p. 1a) | LVV-T153<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0103<br>LSE-61 (p. 1b) | LVV-45<br>LVV-45 (p. 1b) | LVV-T63<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0106<br>LSE-61 (p. 1b) | LVV-46<br>LVV-46 (p. 1b) | LVV-T11<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element        | Test Case            | Last Run | Test Status  |
|--------------------------------|-----------------------------|----------------------|----------|--------------|
|                                |                             | LVV-T64<br>LDM-639   |          | Not Executed |
| DMS-REQ-0119<br>LSE-61 (p. 2)  | LVV-47<br>LVV-47 (p. 2)     | LVV-T117<br>LDM-639  |          | Not Executed |
| DMS-REQ-0120<br>LSE-61 (p. 2)  | LVV-48<br>LVV-48 (p. 2)     | LVV-T118<br>LDM-639  |          | Not Executed |
| DMS-REQ-0121<br>LSE-61 (p. 2)  | LVV-49<br>LVV-49 (p. 2)     | LVV-T119<br>LDM-639  |          | Not Executed |
| DMS-REQ-0122<br>LSE-61 (p. 2)  | LVV-50<br>LVV-50 (p. 2)     | LVV-T204<br>LDM-639  |          | Not Executed |
| DMS-REQ-0123<br>LSE-61 (p. 2)  | LVV-51<br>LVV-51 (p. 2)     | LVV-T205<br>LDM-639  |          | Not Executed |
| DMS-REQ-0124<br>LSE-61 (p. 2)  | LVV-52<br>LVV-52 (p. 2)     | LVV-T206<br>LDM-639  |          | Not Executed |
| DMS-REQ-0125<br>LSE-61 (p. 2)  | LVV-53<br>LVV-53 (p. 2)     | LVV-T120<br>LDM-639  |          | Not Executed |
| DMS-REQ-0126<br>LSE-61 (p. 2)  | LVV-54<br>LVV-54 (p. 2)     | LVV-T207<br>LDM-639  |          | Not Executed |
| DMS-REQ-0127<br>LSE-61 (p. 2)  | LVV-55<br>LVV-55 (p. 2)     | LVV-T208<br>LDM-639  |          | Not Executed |
| DMS-REQ-0128<br>LSE-61 (p. 2)  | LVV-56<br>LVV-56 (p. 2)     | LVV-T121<br>LDM-639  |          | Not Executed |
| DMS-REQ-0130<br>LSE-61 (p. 1a) | LVV-57<br>LVV-57 (p. 1a)    | LVV-T88<br>LDM-639   | LVV-P72  | Not Executed |
| DMS-REQ-0131<br>LSE-61 (p. 2)  | LVV-58<br>LVV-58 (p. 2)     | LVV-T106<br>LDM-639  |          | Not Executed |
|                                | LVV-9745<br>LVV-9745 (p. 2) | LVV-T1277<br>LDM-639 |          | Not Executed |
| DMS-REQ-0132<br>LSE-61 (p. 1a) | LVV-59<br>LVV-59 (p. 1a)    | LVV-T89<br>LDM-639   |          | Not Executed |



Table 3: DM LSE-61 Requirements.

| Requirement    | Verification Element | Test Case | Last Run   | Test Status         |
|----------------|----------------------|-----------|------------|---------------------|
| DMS-REQ-0155   | LVV-60               |           |            |                     |
| LSE-61 (p. 1a) | LVV-60 (p. 1a)       |           |            |                     |
| DMS-REQ-0156   | LVV-61               |           |            |                     |
| LSE-61 (p. 1a) | LVV-61 (p. 1a)       |           |            |                     |
| DMS-REQ-0158   | LVV-62               | LVV-T11   | 2019-05-22 | <b>Passed</b>       |
| LSE-61 (p. 1a) | LVV-62 (p. 1a)       | LDM-639   | LVV-P43    |                     |
| DMS-REQ-0160   | LVV-63               | LVV-T131  |            | <b>Not Executed</b> |
| LSE-61 (p. 1b) | LVV-63 (p. 1b)       | LDM-639   |            |                     |
|                |                      | LVV-T368  |            | <b>Not Executed</b> |
|                |                      | LDM-639   |            |                     |
| DMS-REQ-0161   | LVV-64               | LVV-T172  |            | <b>Not Executed</b> |
| LSE-61 (p. 1b) | LVV-64 (p. 1b)       | LDM-639   |            |                     |
| DMS-REQ-0162   | LVV-65               | LVV-T173  |            | <b>Not Executed</b> |
| LSE-61 (p. 1b) | LVV-65 (p. 1b)       | LDM-639   |            |                     |
|                |                      | LVV-T287  |            | <b>Not Executed</b> |
|                |                      | LDM-639   |            |                     |
| DMS-REQ-0163   | LVV-66               | LVV-T174  |            | <b>Not Executed</b> |
| LSE-61 (p. 1b) | LVV-66 (p. 1b)       | LDM-639   |            |                     |
| DMS-REQ-0164   | LVV-67               | LVV-T175  |            | <b>Not Executed</b> |
| LSE-61 (p. 1b) | LVV-67 (p. 1b)       | LDM-639   |            |                     |
| DMS-REQ-0165   | LVV-68               | LVV-T176  |            | <b>Not Executed</b> |
| LSE-61 (p. 1b) | LVV-68 (p. 1b)       | LDM-639   | LVV-P4     |                     |
|                |                      | LVV-T287  |            | <b>Not Executed</b> |
|                |                      | LDM-639   |            |                     |
| DMS-REQ-0166   | LVV-69               | LVV-T177  |            | <b>Not Executed</b> |
| LSE-61 (p. 1b) | LVV-69 (p. 1b)       | LDM-639   |            |                     |
| DMS-REQ-0167   | LVV-70               | LVV-T178  |            | <b>Not Executed</b> |
| LSE-61 (p. 2)  | LVV-70 (p. 2)        | LDM-639   |            |                     |
|                |                      | LVV-T287  |            | <b>Not Executed</b> |
|                |                      | LDM-639   |            |                     |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element          | Test Case            | Last Run              | Test Status  |
|--------------------------------|-------------------------------|----------------------|-----------------------|--------------|
| DMS-REQ-0168<br>LSE-61 (p. 1a) | LVV-71<br>LVV-71 (p. 1a)      | LVV-T1097            |                       | Not Executed |
|                                |                               | LDM-639              |                       |              |
|                                |                               | LVV-T2338            | LVV-P90               | Not Executed |
| DMS-REQ-0170<br>LSE-61 (p. 1b) | LVV-72<br>LVV-72 (p. 1b)      | LVV-T182<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0171<br>LSE-61 (p. 1a) | LVV-73<br>LVV-73 (p. 1a)      | LVV-T1168            | 2019-07-09            | Passed       |
|                                |                               | LDM-639              | LVV-P47               |              |
|                                |                               | LVV-T1612<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0172<br>LSE-61 (p. 1b) | LVV-74<br>LVV-74 (p. 1b)      | LVV-T185<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0173<br>LSE-61 (p. 1b) | LVV-75<br>LVV-75 (p. 1b)      | LVV-T186<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0174<br>LSE-61 (p. 1b) | LVV-76<br>LVV-76 (p. 1b)      | LVV-T187<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0175<br>LSE-61 (p. 1b) | LVV-77<br>LVV-77 (p. 1b)      | LVV-T188<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0176<br>LSE-61 (p. 1a) | LVV-78<br>LVV-78 (p. 1a)      | LVV-T189<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0177<br>LSE-61         | LVV-79<br>LVV-79 (p. Not Set) |                      |                       |              |
| DMS-REQ-0178<br>LSE-61 (p. 1b) | LVV-80<br>LVV-80 (p. 1b)      | LVV-T190<br>LDM-639  | 2022-08-25<br>LVV-P99 | Passed       |
| DMS-REQ-0180<br>LSE-61 (p. 1b) | LVV-81<br>LVV-81 (p. 1b)      | LVV-T193<br>LDM-639  | LVV-P73               | Not Executed |
| DMS-REQ-0181<br>LSE-61 (p. 1b) | LVV-82<br>LVV-82 (p. 1b)      | LVV-T194<br>LDM-639  | LVV-P73               | Not Executed |
| DMS-REQ-0182<br>LSE-61 (p. 1b) | LVV-83<br>LVV-83 (p. 1b)      | LVV-T195<br>LDM-639  | LVV-P73               | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element     | Test Case           | Last Run              | Test Status  |
|--------------------------------|--------------------------|---------------------|-----------------------|--------------|
| DMS-REQ-0183<br>LSE-61 (p. 1b) | LVV-84<br>LVV-84 (p. 1b) | LVV-T196<br>LDM-639 | LVV-P73               | Not Executed |
| DMS-REQ-0185<br>LSE-61 (p. 1a) | LVV-85<br>LVV-85 (p. 1a) | LVV-T197<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0186<br>LSE-61 (p. 1a) | LVV-86<br>LVV-86 (p. 1a) | LVV-T198<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0187<br>LSE-61 (p. 1b) | LVV-87<br>LVV-87 (p. 1b) | LVV-T199<br>LDM-639 | 2022-08-25<br>LVV-P99 | Passed       |
| DMS-REQ-0188<br>LSE-61 (p. 1b) | LVV-88<br>LVV-88 (p. 1b) | LVV-T200<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0189<br>LSE-61 (p. 1b) | LVV-89<br>LVV-89 (p. 1b) | LVV-T201<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0190<br>LSE-61 (p. 1b) | LVV-90<br>LVV-90 (p. 1b) | LVV-T202<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0191<br>LSE-61 (p. 1b) | LVV-91<br>LVV-91 (p. 1b) | LVV-T203<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0193<br>LSE-61 (p. 1b) | LVV-92<br>LVV-92 (p. 1b) | LVV-T209<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0194<br>LSE-61 (p. 1b) | LVV-93<br>LVV-93 (p. 1b) | LVV-T210<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0196<br>LSE-61 (p. 1b) | LVV-94<br>LVV-94 (p. 1b) | LVV-T211<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0197<br>LSE-61 (p. 2)  | LVV-95<br>LVV-95 (p. 2)  | LVV-T212<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0265<br>LSE-61 (p. 1a) | LVV-96<br>LVV-96 (p. 1a) | LVV-T34<br>LDM-639  |                       | Not Executed |
|                                |                          | LVV-T283<br>LDM-639 | 2019-05-22<br>LVV-P45 | Passed       |
|                                |                          | LVV-T284<br>LDM-639 | 2019-06-24<br>LVV-P10 | Passed       |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element         | Test Case            | Last Run              | Test Status  |
|--------------------------------|------------------------------|----------------------|-----------------------|--------------|
| DMS-REQ-0266<br>LSE-61 (p. 1a) | LVV-97<br>LVV-97 (p. 1a)     | LVV-T48<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0267<br>LSE-61 (p. 1b) | LVV-98<br>LVV-98 (p. 1b)     | LVV-T12<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                              | LVV-T13<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                              | LVV-T65<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0268<br>LSE-61 (p. 1b) | LVV-99<br>LVV-99 (p. 1b)     | LVV-T66<br>LDM-639   | 2022-09-28<br>LVV-P99 | Passed       |
| DMS-REQ-0269<br>LSE-61 (p. 1b) | LVV-100<br>LVV-100 (p. 1b)   | LVV-T18<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T21<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T49<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0270<br>LSE-61 (p. 2)  | LVV-101<br>LVV-101 (p. 2)    | LVV-T21<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T50<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0271<br>LSE-61 (p. 1b) | LVV-102<br>LVV-102 (p. 1b)   | LVV-T18<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T22<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                              | LVV-T51<br>LDM-639   |                       | Not Executed |
|                                | LVV-9742<br>LVV-9742 (p. 1b) | LVV-T2304<br>LDM-639 |                       | Not Executed |
|                                | LVV-9743<br>LVV-9743 (p. 1b) | LVV-T2305<br>LDM-639 |                       | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element       | Test Case          | Last Run   | Test Status      |
|--------------------------------|----------------------------|--------------------|------------|------------------|
| DMS-REQ-0272<br>LSE-61 (p. 1b) | LVV-103<br>LVV-103 (p. 1b) | LVV-T22            | 2019-05-22 | Passed           |
|                                |                            | LDM-639            | LVV-P44    |                  |
|                                |                            | LVV-T52            |            | Not Executed     |
|                                |                            | LDM-639            |            |                  |
| DMS-REQ-0273<br>LSE-61 (p. 2)  | LVV-104<br>LVV-104 (p. 2)  | LVV-T53<br>LDM-639 |            | Not Executed     |
| DMS-REQ-0274<br>LSE-61 (p. 1b) | LVV-105<br>LVV-105 (p. 1b) | LVV-T54<br>LDM-639 |            | Not Executed     |
| DMS-REQ-0275<br>LSE-61 (p. 1b) | LVV-106<br>LVV-106 (p. 1b) | LVV-T12            | 2019-05-22 | Passed           |
|                                |                            | LDM-639            | LVV-P43    |                  |
|                                |                            | LVV-T14            | 2019-05-22 | Pass w/Deviation |
|                                |                            | LDM-639            | LVV-P43    |                  |
|                                |                            | LVV-T67            |            | Not Executed     |
|                                |                            | LDM-639            |            |                  |
| DMS-REQ-0276<br>LSE-61 (p. 1b) | LVV-107<br>LVV-107 (p. 1b) | LVV-T69<br>LDM-639 |            | Not Executed     |
| DMS-REQ-0277<br>LSE-61 (p. 1b) | LVV-108<br>LVV-108 (p. 1b) |                    |            |                  |
| DMS-REQ-0278<br>LSE-61 (p. 1b) | LVV-109<br>LVV-109 (p. 1b) | LVV-T16            | 2019-05-22 | Passed           |
|                                |                            | LDM-639            | LVV-P43    |                  |
|                                |                            | LVV-T72            | 2022-10-19 | Passed           |
|                                |                            | LDM-639            | LVV-P99    |                  |
| DMS-REQ-0279<br>LSE-61 (p. 1b) | LVV-110<br>LVV-110 (p. 1b) | LVV-T12            | 2019-05-22 | Passed           |
|                                |                            | LDM-639            | LVV-P43    |                  |
|                                |                            | LVV-T16            | 2019-05-22 | Passed           |
|                                |                            | LDM-639            | LVV-P43    |                  |
|                                |                            | LVV-T73            |            | Not Executed     |
|                                |                            | LDM-639            |            |                  |
| DMS-REQ-0280<br>LSE-61 (p. 1b) | LVV-111<br>LVV-111 (p. 1b) | LVV-T74<br>LDM-639 | 2022-08-22 | Passed           |
|                                |                            |                    | LVV-P99    |                  |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element           | Test Case            | Last Run              | Test Status  |
|--------------------------------|--------------------------------|----------------------|-----------------------|--------------|
| DMS-REQ-0281<br>LSE-61 (p. 1b) | LVV-112<br>LVV-112 (p. 1b)     | LVV-T75<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0282<br>LSE-61 (p. 1a) | LVV-113<br>LVV-113 (p. 1a)     | LVV-T90<br>LDM-639   | 2022-08-29<br>LVV-P99 | Passed       |
|                                | LVV-18881<br>LVV-18881 (p. 1a) | LVV-T1862<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0283<br>LSE-61 (p. 1b) | LVV-114<br>LVV-114 (p. 1b)     | LVV-T91<br>LDM-639   | 2022-08-29<br>LVV-P99 | Passed       |
| DMS-REQ-0284<br>LSE-61 (p. 1b) | LVV-115<br>LVV-115 (p. 1b)     | LVV-T107<br>LDM-639  |                       | Not Executed |
|                                |                                | LVV-T283<br>LDM-639  | 2019-05-22<br>LVV-P45 | Passed       |
|                                |                                | LVV-T284<br>LDM-639  | 2019-06-24<br>LVV-P10 | Passed       |
|                                |                                | LVV-T286<br>LDM-639  | 2019-05-22<br>LVV-P45 | Passed       |
| DMS-REQ-0285<br>LSE-61 (p. 1b) | LVV-116<br>LVV-116 (p. 1b)     | LVV-T22<br>LDM-639   | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                                | LVV-T108<br>LDM-639  |                       | Not Executed |
|                                |                                | LVV-T550<br>?        |                       | Not Executed |
| DMS-REQ-0286<br>LSE-61 (p. 2)  | LVV-117<br>LVV-117 (p. 2)      | LVV-T109<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0287<br>LSE-61 (p. 1b) | LVV-118<br>LVV-118 (p. 1b)     | LVV-T110<br>LDM-639  |                       | Not Executed |
|                                | LVV-9746<br>LVV-9746 (p. 1b)   | LVV-T110<br>LDM-639  |                       | Not Executed |
|                                | LVV-9747<br>LVV-9747 (p. 1b)   | LVV-T110<br>LDM-639  |                       | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element       | Test Case            | Last Run              | Test Status  |
|--------------------------------|----------------------------|----------------------|-----------------------|--------------|
| DMS-REQ-0288<br>LSE-61 (p. 2)  | LVV-119<br>LVV-119 (p. 2)  | LVV-T111<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0289<br>LSE-61 (p. 1a) | LVV-120<br>LVV-120 (p. 1a) | LVV-T115<br>LDM-639  | LVV-P72               | Not Executed |
|                                |                            | LVV-T1935<br>LDM-639 | 2020-10-28<br>LVV-P76 | Passed       |
|                                |                            | LVV-T1987<br>LDM-639 | 2022-04-07<br>LVV-P77 | Passed       |
| DMS-REQ-0290<br>LSE-61 (p. 2)  | LVV-121<br>LVV-121 (p. 2)  | LVV-T122<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0291<br>LSE-61 (p. 1b) | LVV-122<br>LVV-122 (p. 1b) | LVV-T96<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0292<br>LSE-61 (p. 1a) | LVV-123<br>LVV-123 (p. 1a) | LVV-T97<br>LDM-639   |                       | Not Executed |
| DMS-REQ-0293<br>LSE-61 (p. 1a) | LVV-124<br>LVV-124 (p. 1a) | LVV-T11<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                            | LVV-T98<br>LDM-639   |                       | Not Executed |
|                                |                            | LVV-T1986            |                       | Not Executed |
| DMS-REQ-0294<br>LSE-61 (p. 1b) | LVV-125<br>LVV-125 (p. 1b) | LVV-T12<br>LDM-639   | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                            | LVV-T99<br>LDM-639   |                       | Not Executed |
|                                |                            | LVV-T1986            |                       | Not Executed |
| DMS-REQ-0295<br>LSE-61 (p. 2)  | LVV-126<br>LVV-126 (p. 2)  | LVV-T100<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0296<br>LSE-61 (p. 1a) | LVV-127<br>LVV-127 (p. 1a) | LVV-T132<br>LDM-639  | 2020-02-06<br>LVV-P65 | Passed       |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element           | Test Case            | Last Run              | Test Status  |
|--------------------------------|--------------------------------|----------------------|-----------------------|--------------|
| DMS-REQ-0297<br>LSE-61 (p. 1a) | LVV-128<br>LVV-128 (p. 1a)     | LVV-T146<br>LDM-639  | LVV-P71               | Not Executed |
| DMS-REQ-0298<br>LSE-61 (p. 1a) | LVV-129<br>LVV-129 (p. 1a)     | LVV-T136<br>LDM-639  | 2022-10-11<br>LVV-P99 | Passed       |
|                                |                                | LVV-T368<br>LDM-639  |                       | Not Executed |
|                                |                                | LVV-T374<br>LDM-639  | 2018-12-06<br>LVV-P16 | Passed       |
|                                |                                | LVV-T2692<br>LDM-639 | 2022-10-11<br>LVV-P99 | Passed       |
|                                |                                | LVV-T2693<br>LDM-639 |                       | Not Executed |
|                                | LVV-20528<br>LVV-20528 (p. 1a) | LVV-T2697<br>LDM-639 | 2022-10-11<br>LVV-P99 | Passed       |
|                                |                                | LVV-T2698<br>LDM-639 | 2022-10-11<br>LVV-P99 | Passed       |
|                                |                                | LVV-T2699<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0299<br>LSE-61 (p. 1a) | LVV-130<br>LVV-130 (p. 1a)     | LVV-T137<br>LDM-639  | 2022-08-29<br>LVV-P99 | Passed       |
|                                |                                | LVV-T374<br>LDM-639  | 2018-12-06<br>LVV-P16 | Passed       |
|                                |                                | LVV-T1934<br>LDM-639 | 2020-10-28<br>LVV-P76 | Passed       |
|                                |                                | LVV-T1935<br>LDM-639 | 2020-10-28<br>LVV-P76 | Passed       |
|                                |                                | LVV-T1985<br>LDM-639 | 2022-05-13<br>LVV-P77 | Passed       |
| DMS-REQ-0300<br>LSE-61 (p. 1b) | LVV-131<br>LVV-131 (p. 1b)     | LVV-T138<br>LDM-639  |                       | Not Executed |



Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element       | Test Case           | Last Run              | Test Status      |
|--------------------------------|----------------------------|---------------------|-----------------------|------------------|
| DMS-REQ-0301<br>LSE-61 (p. 1b) | LVV-132<br>LVV-132 (p. 1b) | LVV-T147<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0302<br>LSE-61 (p. 1a) | LVV-133<br>LVV-133 (p. 1a) | LVV-T140<br>LDM-639 | 2022-09-28<br>LVV-P99 | Passed           |
| DMS-REQ-0303<br>LSE-61 (p. 1a) | LVV-134<br>LVV-134 (p. 1a) | LVV-T141<br>LDM-639 | 2022-09-28<br>LVV-P99 | Passed           |
| DMS-REQ-0304<br>LSE-61 (p. 1a) | LVV-135<br>LVV-135 (p. 1a) | LVV-T142<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0305<br>LSE-61 (p. 1a) | LVV-136<br>LVV-136 (p. 1a) | LVV-T11<br>LDM-639  | 2019-05-22<br>LVV-P43 | Passed           |
|                                |                            | LVV-T144<br>LDM-639 | 2022-08-30<br>LVV-P99 | Passed           |
| DMS-REQ-0306<br>LSE-61 (p. 1a) | LVV-137<br>LVV-137 (p. 1a) | LVV-T11<br>LDM-639  | 2019-05-22<br>LVV-P43 | Passed           |
|                                |                            | LVV-T145<br>LDM-639 | 2022-08-30<br>LVV-P99 | Passed           |
| DMS-REQ-0307<br>LSE-61 (p. 2)  | LVV-138<br>LVV-138 (p. 2)  | LVV-T148<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0308<br>LSE-61 (p. 1b) | LVV-139<br>LVV-139 (p. 1b) | LVV-T10<br>LDM-639  | 2019-05-22<br>LVV-P43 | Passed           |
|                                |                            | LVV-T17<br>LDM-639  | 2019-05-22<br>LVV-P44 | Passed           |
|                                |                            | LVV-T124<br>LDM-639 |                       | Not Executed     |
|                                |                            | LVV-T216<br>LDM-639 | 2018-07-17            | Pass w/Deviation |
|                                |                            | LVV-T362<br>LDM-639 | 2022-03-20            | Pass w/Deviation |
|                                |                            | LVV-T363<br>LDM-639 | 2022-03-19            | Passed           |
|                                |                            |                     |                       |                  |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element       | Test Case           | Last Run   | Test Status  |
|--------------------------------|----------------------------|---------------------|------------|--------------|
| DMS-REQ-0309<br>LSE-61 (p. 1a) | LVV-140<br>LVV-140 (p. 1a) | LVV-T154            |            | Not Executed |
|                                |                            | LDM-639             |            |              |
|                                |                            | LVV-T287            |            | Not Executed |
|                                |                            | LVV-T454            | 2019-09-16 | Passed       |
|                                |                            | LDM-639             | LVV-P32    |              |
| DMS-REQ-0310<br>LSE-61 (p. 1b) | LVV-141<br>LVV-141 (p. 1b) | LVV-T155<br>LDM-639 |            | Not Executed |
| DMS-REQ-0311<br>LSE-61 (p. 1b) | LVV-142<br>LVV-142 (p. 1b) | LVV-T156<br>LDM-639 |            | Not Executed |
| DMS-REQ-0312<br>LSE-61 (p. 1b) | LVV-143<br>LVV-143 (p. 1b) | LVV-T157<br>LDM-639 |            | Not Executed |
| DMS-REQ-0313<br>LSE-61 (p. 1b) | LVV-144<br>LVV-144 (p. 1b) | LVV-T158<br>LDM-639 |            | Not Executed |
| DMS-REQ-0314<br>LSE-61 (p. 1b) | LVV-145<br>LVV-145 (p. 1b) | LVV-T179            |            | Not Executed |
|                                |                            | LDM-639             |            |              |
|                                |                            | LVV-T287            |            | Not Executed |
|                                |                            | LDM-639             |            |              |
| DMS-REQ-0315<br>LSE-61 (p. 1a) | LVV-146<br>LVV-146 (p. 1a) | LVV-T183            |            | Not Executed |
|                                |                            | LDM-639             |            |              |
|                                |                            | LVV-T283            | 2019-05-22 | Passed       |
|                                |                            | LDM-639             | LVV-P45    |              |
|                                |                            | LVV-T284            | 2019-06-24 | Passed       |
|                                |                            | LDM-639             | LVV-P10    |              |
|                                |                            | LVV-T1549           | 2020-08-20 | Passed       |
|                                |                            | LDM-639             | LVV-P50    |              |
|                                |                            | LVV-T1556           | 2020-09-03 | Passed       |
|                                |                            | LDM-639             | LVV-P55    |              |
| DMS-REQ-0316<br>LSE-61 (p. 1a) | LVV-147<br>LVV-147 (p. 1a) | LVV-T191<br>LDM-639 | LVV-P72    | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element       | Test Case           | Last Run              | Test Status  |
|--------------------------------|----------------------------|---------------------|-----------------------|--------------|
| DMS-REQ-0317<br>LSE-61 (p. 2)  | LVV-148<br>LVV-148 (p. 2)  | LVV-T55<br>LDM-639  | 2022-10-24<br>LVV-P99 | Passed       |
| DMS-REQ-0318<br>LSE-61 (p. 1b) | LVV-149<br>LVV-149 (p. 1b) | LVV-T180<br>LDM-639 |                       | Not Executed |
|                                |                            | LVV-T287<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0319<br>LSE-61 (p. 1b) | LVV-150<br>LVV-150 (p. 1b) | LVV-T56<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0320<br>LSE-61 (p. 2)  | LVV-151<br>LVV-151 (p. 2)  | LVV-T92<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0321<br>LSE-61 (p. 2)  | LVV-152<br>LVV-152 (p. 2)  | LVV-T93<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0322<br>LSE-61 (p. 1b) | LVV-153<br>LVV-153 (p. 1b) | LVV-T94<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0323<br>LSE-61 (p. 3)  | LVV-154<br>LVV-154 (p. 3)  | LVV-T57<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0324<br>LSE-61 (p. 1b) | LVV-155<br>LVV-155 (p. 1b) | LVV-T58<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0325<br>LSE-61 (p. 2)  | LVV-156<br>LVV-156 (p. 2)  | LVV-T59<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0326<br>LSE-61 (p. 2)  | LVV-157<br>LVV-157 (p. 2)  | LVV-T23<br>LDM-639  |                       | Not Executed |
| DMS-REQ-0327<br>LSE-61 (p. 1b) | LVV-158<br>LVV-158 (p. 1b) | LVV-T15<br>LDM-639  | 2019-05-22<br>LVV-P43 | Passed       |
|                                |                            | LVV-T19<br>LDM-639  | 2019-05-22<br>LVV-P44 | Passed       |
|                                |                            | LVV-T43<br>LDM-639  | 2022-08-31<br>LVV-P99 | Passed       |
| DMS-REQ-0328<br>LSE-61 (p. 1b) | LVV-159<br>LVV-159 (p. 1b) | LVV-T44<br>LDM-639  |                       | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element       | Test Case          | Last Run              | Test Status      |
|--------------------------------|----------------------------|--------------------|-----------------------|------------------|
| DMS-REQ-0329<br>LSE-61 (p. 2)  | LVV-160<br>LVV-160 (p. 2)  | LVV-T76<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0330<br>LSE-61 (p. 2)  | LVV-161<br>LVV-161 (p. 2)  | LVV-T77<br>LDM-639 | 2022-08-30<br>LVV-P99 | Passed           |
| DMS-REQ-0331<br>LSE-61 (p. 1b) | LVV-162<br>LVV-162 (p. 1b) | LVV-T13<br>LDM-639 | 2019-05-22<br>LVV-P43 | Passed           |
|                                |                            | LVV-T14<br>LDM-639 | 2019-05-22<br>LVV-P43 | Pass w/Deviation |
|                                |                            | LVV-T21<br>LDM-639 | 2019-05-22<br>LVV-P44 | Passed           |
|                                |                            | LVV-T22<br>LDM-639 | 2019-05-22<br>LVV-P44 | Passed           |
|                                |                            | LVV-T24<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0332<br>LSE-61 (p. 2)  | LVV-163<br>LVV-163 (p. 2)  | LVV-T25<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0333<br>LSE-61 (p. 1b) | LVV-164<br>LVV-164 (p. 1b) | LVV-T26<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0334<br>LSE-61 (p. 1b) | LVV-165<br>LVV-165 (p. 1b) | LVV-T12<br>LDM-639 | 2019-05-22<br>LVV-P43 | Passed           |
|                                |                            | LVV-T13<br>LDM-639 | 2019-05-22<br>LVV-P43 | Passed           |
|                                |                            | LVV-T14<br>LDM-639 | 2019-05-22<br>LVV-P43 | Pass w/Deviation |
|                                |                            | LVV-T15<br>LDM-639 | 2019-05-22<br>LVV-P43 | Passed           |
|                                |                            | LVV-T16<br>LDM-639 | 2019-05-22<br>LVV-P43 | Passed           |
|                                |                            | LVV-T78<br>LDM-639 | 2022-08-30<br>LVV-P99 | Passed           |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element         | Test Case                   | Last Run              | Test Status      |
|--------------------------------|------------------------------|-----------------------------|-----------------------|------------------|
| DMS-REQ-0335<br>LSE-61 (p. 2)  | LVV-166<br>LVV-166 (p. 2)    | LVV-T79<br>LDM-639          | 2022-10-24<br>LVV-P99 | Passed           |
| DMS-REQ-0336<br>LSE-61 (p. 1b) | LVV-167<br>LVV-167 (p. 1b)   | LVV-T159<br>LDM-639         |                       | Not Executed     |
| DMS-REQ-0337<br>LSE-61 (p. 2)  | LVV-168<br>LVV-168 (p. 2)    | LVV-T80<br>LDM-639          |                       | Not Executed     |
| DMS-REQ-0338<br>LSE-61 (p. 2)  | LVV-169<br>LVV-169 (p. 2)    | LVV-T81<br>LDM-639          |                       | Not Executed     |
| DMS-REQ-0339<br>LSE-61 (p. 1a) | LVV-170<br>LVV-170 (p. 1a)   | LVV-T82<br>LDM-639          |                       | Not Executed     |
| DMS-REQ-0340<br>LSE-61 (p. 2)  | LVV-171<br>LVV-171 (p. 2)    | LVV-T123<br>LDM-639         |                       | Not Executed     |
| DMS-REQ-0341<br>LSE-61 (p. 1b) | LVV-172<br>LVV-172 (p. 1b)   | LVV-T160<br>LDM-639         |                       | Not Executed     |
|                                | LVV-9749<br>LVV-9749 (p. 1b) | LVV-T2331<br>LDM-639        |                       | Not Executed     |
| DMS-REQ-0342<br>LSE-61 (p. 2)  | LVV-173<br>LVV-173 (p. 2)    | LVV-T112<br>LDM-639         |                       | Not Executed     |
|                                |                              | LVV-T218<br>LDM-639         | 2018-07-04            | Pass w/Deviation |
| DMS-REQ-0343<br>LSE-61 (p. 2)  | LVV-174<br>LVV-174 (p. 2)    | LVV-T113<br>LDM-639         |                       | Not Executed     |
|                                |                              | LVV-T218<br>LDM-639         | 2018-07-04            | Pass w/Deviation |
|                                |                              | LVV-9748<br>LVV-9748 (p. 2) | LVV-T1252<br>LDM-639  |                  |
| DMS-REQ-0004<br>LSE-61 (p. 1b) | LVV-175<br>LVV-175 (p. 1b)   | LVV-T35<br>LDM-639          |                       | Not Executed     |
|                                |                              | LVV-T95<br>LDM-639          |                       | Not Executed     |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element       | Test Case            | Last Run              | Test Status      |
|--------------------------------|----------------------------|----------------------|-----------------------|------------------|
|                                | LVV-9740                   | LVV-T1276            |                       | Not Executed     |
|                                | LVV-9740 (p. 1b)           | LDM-639              |                       |                  |
|                                | LVV-9803                   | LVV-T102             |                       | Not Executed     |
|                                | LVV-9803 (p. 1b)           | LDM-639              |                       |                  |
| DMS-REQ-0345<br>LSE-61 (p. 2)  | LVV-176<br>LVV-176 (p. 2)  | LVV-T161<br>LDM-639  |                       | Not Executed     |
| DMS-REQ-0346<br>LSE-61 (p. 1b) | LVV-177<br>LVV-177 (p. 1b) | LVV-T27              |                       | Not Executed     |
|                                |                            | LVV-T286<br>LDM-639  | 2019-05-22<br>LVV-P45 | Passed           |
|                                |                            | LVV-T1934<br>LDM-639 | 2020-10-28<br>LVV-P76 | Passed           |
| DMS-REQ-0347<br>LSE-61 (p. 1b) | LVV-178<br>LVV-178 (p. 1b) | LVV-T28<br>LDM-639   | 2022-08-17<br>LVV-P99 | Passed           |
|                                |                            | LVV-T1946<br>LDM-639 | 2022-08-17<br>LVV-P99 | Passed           |
|                                |                            | LVV-T1947<br>LDM-639 | 2022-08-17<br>LVV-P99 | Passed           |
| DMS-REQ-0348<br>LSE-61 (p. 2)  | LVV-179<br>LVV-179 (p. 2)  | LVV-T114<br>LDM-639  |                       | Not Executed     |
|                                |                            | LVV-T218<br>LDM-639  | 2018-07-04            | Pass w/Deviation |
| DMS-REQ-0349<br>LSE-61 (p. 2)  | LVV-180<br>LVV-180 (p. 2)  | LVV-T71<br>LDM-639   |                       | Not Executed     |
| DMS-REQ-0350<br>LSE-61 (p. 2)  | LVV-181<br>LVV-181 (p. 2)  | LVV-T116<br>LDM-639  |                       | Not Executed     |
| DMS-REQ-0351<br>LSE-61 (p. 1a) | LVV-182<br>LVV-182 (p. 1a) | LVV-T133<br>LDM-639  | 2020-09-29<br>LVV-P71 | Passed           |
| DMS-REQ-0352<br>LSE-61 (p. 2)  | LVV-183<br>LVV-183 (p. 2)  | LVV-T192<br>LDM-639  |                       | Not Executed     |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element          | Test Case            | Last Run              | Test Status      |
|--------------------------------|-------------------------------|----------------------|-----------------------|------------------|
|                                | LVV-18491<br>LVV-18491 (p. 2) | LVV-T181<br>LDM-639  |                       | Not Executed     |
| DMS-REQ-0353<br>LSE-61 (p. 1b) | LVV-184<br>LVV-184 (p. 1b)    | LVV-T60<br>LDM-639   |                       | Not Executed     |
| DMS-REQ-0354<br>LSE-61 (p. 1b) | LVV-185<br>LVV-185 (p. 1b)    | LVV-T1086<br>LDM-639 | 2019-07-08<br>LVV-P46 | Passed           |
|                                |                               | LVV-T1087<br>LDM-639 | 2019-07-08<br>LVV-P46 | Passed           |
|                                |                               | LVV-T1088<br>LDM-639 | 2019-07-09<br>LVV-P46 | Passed           |
|                                |                               | LVV-T1089<br>LDM-639 | 2019-07-09<br>LVV-P46 | Pass w/Deviation |
|                                |                               | LVV-T1090<br>LDM-639 | 2019-07-09<br>LVV-P46 | Pass w/Deviation |
|                                |                               | LVV-T2700<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0355<br>LSE-61 (p. 1b) | LVV-186<br>LVV-186 (p. 1b)    | LVV-T2332<br>LDM-639 |                       | Not Executed     |
|                                | LVV-9784<br>LVV-9784 (p. 1b)  | LVV-T2333<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0356<br>LSE-61 (p. 1b) | LVV-187<br>LVV-187 (p. 1b)    |                      |                       |                  |
|                                | LVV-9785<br>LVV-9785 (p. 1b)  |                      |                       |                  |
|                                | LVV-9786<br>LVV-9786 (p. 1b)  | LVV-T1089<br>LDM-639 | 2019-07-09<br>LVV-P46 | Pass w/Deviation |
|                                |                               | LVV-T1090<br>LDM-639 | 2019-07-09<br>LVV-P46 | Pass w/Deviation |
|                                | LVV-9787<br>LVV-9787 (p. 1b)  | LVV-T1085<br>LDM-639 | 2019-07-08<br>LVV-P46 | Passed           |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element        | Test Case            | Last Run              | Test Status      |
|--------------------------------|-----------------------------|----------------------|-----------------------|------------------|
|                                |                             | LVV-T1089<br>LDM-639 | 2019-07-09<br>LVV-P46 | Pass w/Deviation |
|                                |                             | LVV-T1090<br>LDM-639 | 2019-07-09<br>LVV-P46 | Pass w/Deviation |
| DMS-REQ-0357<br>LSE-61 (p. 1b) | LVV-188<br>LVV-188 (p. 1b)  | LVV-T1086<br>LDM-639 | 2019-07-08<br>LVV-P46 | Passed           |
|                                |                             | LVV-T1088<br>LDM-639 | 2019-07-09<br>LVV-P46 | Passed           |
|                                |                             | LVV-T1089<br>LDM-639 | 2019-07-09<br>LVV-P46 | Pass w/Deviation |
|                                |                             | LVV-T1090<br>LDM-639 | 2019-07-09<br>LVV-P46 | Pass w/Deviation |
|                                |                             | LVV-T2724<br>LDM-639 |                       | Not Executed     |
| DMS-REQ-0363<br>LSE-61 (p. 3)  | LVV-189<br>LVV-189 (p. 3)   | LVV-T162<br>LDM-639  |                       | Not Executed     |
| DMS-REQ-0364<br>LSE-61 (p. 3)  | LVV-190<br>LVV-190 (p. 3)   | LVV-T163<br>LDM-639  |                       | Not Executed     |
|                                | LVV-9750<br>LVV-9750 (p. 3) |                      |                       |                  |
| DMS-REQ-0365<br>LSE-61 (p. 2)  | LVV-191<br>LVV-191 (p. 2)   | LVV-T164<br>LDM-639  |                       | Not Executed     |
| DMS-REQ-0366<br>LSE-61 (p. 2)  | LVV-192<br>LVV-192 (p. 2)   | LVV-T165<br>LDM-639  |                       | Not Executed     |
| DMS-REQ-0367<br>LSE-61 (p. 2)  | LVV-193<br>LVV-193 (p. 2)   | LVV-T166<br>LDM-639  |                       | Not Executed     |
| DMS-REQ-0368<br>LSE-61 (p. 3)  | LVV-194<br>LVV-194 (p. 3)   | LVV-T167<br>LDM-639  |                       | Not Executed     |
| DMS-REQ-0369<br>LSE-61 (p. 1b) | LVV-195<br>LVV-195 (p. 1b)  | LVV-T168<br>LDM-639  |                       | Not Executed     |



Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element         | Test Case            | Last Run | Test Status         |
|--------------------------------|------------------------------|----------------------|----------|---------------------|
| DMS-REQ-0370<br>LSE-61 (p. 3)  | LVV-196<br>LVV-196 (p. 3)    | LVV-T169<br>LDM-639  |          | <b>Not Executed</b> |
| DMS-REQ-0371<br>LSE-61 (p. 3)  | LVV-197<br>LVV-197 (p. 3)    | LVV-T170<br>LDM-639  |          | <b>Not Executed</b> |
| DMS-REQ-0377<br>LSE-61 (p. 1b) | LVV-3394<br>LVV-3394 (p. 1b) | LVV-T385<br>LDM-639  |          | <b>Not Executed</b> |
|                                | LVV-9797<br>LVV-9797 (p. 1b) | LVV-T1332<br>LDM-639 |          | <b>Not Executed</b> |
| DMS-REQ-0374<br>LSE-61 (p. 1b) | LVV-3395<br>LVV-3395 (p. 1b) |                      |          |                     |
|                                | LVV-9790<br>LVV-9790 (p. 1b) |                      |          |                     |
|                                | LVV-9791<br>LVV-9791 (p. 1b) |                      |          |                     |
| DMS-REQ-0376<br>LSE-61 (p. 1b) | LVV-3396<br>LVV-3396 (p. 1b) |                      |          |                     |
|                                | LVV-9795<br>LVV-9795 (p. 1b) |                      |          |                     |
|                                | LVV-9796<br>LVV-9796 (p. 1b) |                      |          |                     |
| DMS-REQ-0373<br>LSE-61 (p. 2)  | LVV-3397<br>LVV-3397 (p. 2)  |                      |          |                     |
|                                | LVV-9789<br>LVV-9789 (p. 2)  |                      |          |                     |
| DMS-REQ-0375<br>LSE-61 (p. 2)  | LVV-3398<br>LVV-3398 (p. 2)  |                      |          |                     |
|                                | LVV-9792<br>LVV-9792 (p. 2)  |                      |          |                     |
|                                | LVV-9793<br>LVV-9793 (p. 2)  |                      |          |                     |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element         | Test Case            | Last Run              | Test Status  |
|--------------------------------|------------------------------|----------------------|-----------------------|--------------|
|                                | LVV-9794<br>LVV-9794 (p. 2)  | LVV-T2302<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0378<br>LSE-61 (p. 2)  | LVV-3399<br>LVV-3399 (p. 2)  |                      |                       |              |
| DMS-REQ-0358<br>LSE-61 (p. 1a) | LVV-3400<br>LVV-3400 (p. 1a) | LVV-T1250<br>LDM-639 |                       | Not Executed |
|                                | LVV-9788<br>LVV-9788 (p. 1a) | LVV-T1251<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0359<br>LSE-61 (p. 1a) | LVV-3401<br>LVV-3401 (p. 1a) | LVV-T1756<br>LDM-639 | 2022-10-03<br>LVV-P99 | Passed       |
|                                | LVV-9751<br>LVV-9751 (p. 1a) | LVV-T377<br>LDM-639  |                       | Not Executed |
|                                |                              | LVV-T1847<br>LDM-639 |                       | Not Executed |
|                                | LVV-9752<br>LVV-9752 (p. 1a) | LVV-T1758<br>LDM-639 | 2020-09-29<br>LVV-P71 | Not Executed |
|                                |                              | LVV-T1759<br>LDM-639 | 2020-09-29<br>LVV-P71 | Passed       |
|                                | LVV-9753<br>LVV-9753 (p. 1a) | LVV-T377<br>LDM-639  |                       | Not Executed |
|                                |                              | LVV-T1846<br>LDM-639 |                       | Not Executed |
|                                | LVV-9754<br>LVV-9754 (p. 1a) | LVV-T1759<br>LDM-639 | 2020-09-29<br>LVV-P71 | Passed       |
|                                | LVV-9755<br>LVV-9755 (p. 1a) | LVV-T377<br>LDM-639  |                       | Not Executed |
|                                |                              | LVV-T1845<br>LDM-639 |                       | Not Executed |
|                                | LVV-9756<br>LVV-9756 (p. 1a) | LVV-T377<br>LDM-639  |                       | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status  |
|------------------------------|----------------------|----------------------|-----------------------|--------------|
|                              |                      | LVV-T1844<br>LDM-639 |                       | Not Executed |
| LVV-9757<br>LVV-9757 (p. 1a) |                      | LVV-T377<br>LDM-639  |                       | Not Executed |
|                              |                      | LVV-T1843<br>LDM-639 |                       | Not Executed |
| LVV-9758<br>LVV-9758 (p. 1a) |                      | LVV-T1758<br>LDM-639 | 2020-09-29<br>LVV-P71 | Not Executed |
| LVV-9759<br>LVV-9759 (p. 1a) |                      | LVV-T1757<br>LDM-639 | 2020-09-29<br>LVV-P71 | Passed       |
| LVV-9760<br>LVV-9760 (p. 1a) |                      | LVV-T377<br>LDM-639  |                       | Not Executed |
|                              |                      | LVV-T1842<br>LDM-639 |                       | Not Executed |
| LVV-9761<br>LVV-9761 (p. 1a) |                      | LVV-T377<br>LDM-639  |                       | Not Executed |
|                              |                      | LVV-T1841<br>LDM-639 |                       | Not Executed |
| LVV-9762<br>LVV-9762 (p. 1a) |                      | LVV-T377<br>LDM-639  |                       | Not Executed |
|                              |                      | LVV-T1840<br>LDM-639 |                       | Not Executed |
| LVV-9763<br>LVV-9763 (p. 1a) |                      | LVV-T377<br>LDM-639  |                       | Not Executed |
|                              |                      | LVV-T1839<br>LDM-639 |                       | Not Executed |
| LVV-9764<br>LVV-9764 (p. 1a) |                      | LVV-T377<br>LDM-639  |                       | Not Executed |
|                              |                      | LVV-T1838<br>LDM-639 |                       | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element | Test Case | Last Run   | Test Status  |
|--------------------------------|----------------------|-----------|------------|--------------|
|                                | LVV-9765             | LVV-T377  |            | Not Executed |
|                                | LVV-9765 (p. 1a)     | LDM-639   |            |              |
|                                |                      | LVV-T1837 |            | Not Executed |
|                                |                      | LDM-639   |            |              |
|                                | LVV-9766             | LVV-T377  |            | Not Executed |
|                                | LVV-9766 (p. 1a)     | LDM-639   |            |              |
|                                |                      | LVV-T1836 |            | Not Executed |
|                                |                      | LDM-639   |            |              |
|                                | LVV-18339            | LVV-T2202 |            | Not Executed |
|                                | LVV-18339 (p. 1a)    | LDM-639   |            |              |
| DMS-REQ-0360<br>LSE-61 (p. 1a) | LVV-3402             | LVV-T363  | 2022-03-19 | Passed       |
|                                | LVV-3402 (p. 1a)     | LDM-639   |            |              |
|                                |                      | LVV-T1745 | 2020-02-06 | Passed       |
|                                |                      | LDM-639   | LVV-P65    |              |
|                                | LVV-9767             | LVV-T1746 | 2020-02-06 | Passed       |
|                                | LVV-9767 (p. 1a)     | LDM-639   | LVV-P65    |              |
|                                | LVV-9768             | LVV-T1747 | 2020-02-06 | Passed       |
|                                | LVV-9768 (p. 1a)     | LDM-639   | LVV-P65    |              |
|                                | LVV-9769             | LVV-T1748 | 2020-02-06 | Passed       |
|                                | LVV-9769 (p. 1a)     | LDM-639   | LVV-P65    |              |
|                                | LVV-9770             | LVV-T1749 | 2020-02-06 | Passed       |
|                                | LVV-9770 (p. 1a)     | LDM-639   | LVV-P65    |              |
|                                | LVV-9771             | LVV-T1750 | 2020-02-06 | Passed       |
|                                | LVV-9771 (p. 1a)     | LDM-639   | LVV-P65    |              |
|                                | LVV-9773             | LVV-T1746 | 2020-02-06 | Passed       |
|                                | LVV-9773 (p. 1a)     | LDM-639   | LVV-P65    |              |
|                                | LVV-9774             | LVV-T1751 | 2020-02-06 | Passed       |
|                                | LVV-9774 (p. 1a)     | LDM-639   | LVV-P65    |              |
|                                | LVV-9775             | LVV-T1752 | 2020-02-06 | Passed       |
|                                | LVV-9775 (p. 1a)     | LDM-639   | LVV-P65    |              |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element         | Test Case    | Last Run   | Test Status      |
|--------------------------------|------------------------------|--------------|------------|------------------|
|                                | LVV-9776                     | LVV-T1749    | 2020-02-06 | Passed           |
|                                | LVV-9776 (p. 1a)             | LDM-639      | LVV-P65    |                  |
|                                | LVV-9777                     | LVV-T1750    | 2020-02-06 |                  |
|                                | LVV-9777 (p. 1a)             | LDM-639      | LVV-P65    |                  |
|                                | LVV-9778                     | LVV-T1753    | 2020-02-06 | Passed           |
|                                | LVV-9778 (p. 1a)             | LDM-639      | LVV-P65    |                  |
|                                | LVV-9779                     | LVV-T1752    | 2020-02-06 |                  |
|                                | LVV-9779 (p. 1a)             | LDM-639      | LVV-P65    |                  |
| DMS-REQ-0361<br>LSE-61 (p. 1b) | LVV-3403<br>LVV-3403 (p. 1b) | LVV-T1088    | 2019-07-09 | Passed           |
|                                |                              | LDM-639      | LVV-P46    |                  |
|                                |                              | LVV-T1089    | 2019-07-09 |                  |
| LDM-639                        | LVV-P46                      |              |            |                  |
| DMS-REQ-0362<br>LSE-61 (p. 1b) | LVV-3404<br>LVV-3404 (p. 1b) | LVV-T1090    | 2019-07-09 | Pass w/Deviation |
|                                |                              | LDM-639      | LVV-P46    |                  |
|                                |                              | LVV-T376     |            | Not Executed     |
|                                |                              | LDM-639      |            |                  |
|                                |                              | LVV-T1754    | 2020-02-06 | Passed           |
|                                |                              | LDM-639      | LVV-P65    |                  |
|                                |                              | LVV-9780     | LVV-T376   | Not Executed     |
| LVV-9780 (p. 1b)               | LDM-639                      |              |            |                  |
| LVV-9781                       | LVV-T2176                    | Not Executed |            |                  |
| LVV-9781 (p. 1b)               | LDM-639                      |              |            |                  |
| LVV-9782                       | LVV-T1755                    | 2020-02-07   | Passed     |                  |
| LVV-9782 (p. 1b)               | LDM-639                      | LVV-P65      |            |                  |
| LVV-9783                       | LVV-T2177                    | Not Executed |            |                  |
| LVV-9783 (p. 1b)               | LDM-639                      |              |            |                  |
| DMS-REQ-0372<br>LSE-61 (p. 1a) | LVV-9637<br>LVV-9637 (p. 1a) | LVV-T1264    | 2020-11-07 | Passed           |
|                                |                              | LDM-639      | LVV-P71    |                  |
| DMS-REQ-0344<br>LSE-61 (p. 2)  | LVV-9744<br>LVV-9744 (p. 2)  | LVV-T1866    |            | Not Executed     |
|                                |                              | LDM-639      |            |                  |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element           | Test Case            | Last Run              | Test Status  |
|--------------------------------|--------------------------------|----------------------|-----------------------|--------------|
|                                | LVV-18229<br>LVV-18229 (p. 2)  | LVV-T1865<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0384<br>LSE-61 (p. 1b) | LVV-18222<br>LVV-18222 (p. 1b) | LVV-T1524<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0381<br>LSE-61 (p. 2)  | LVV-18223<br>LVV-18223 (p. 2)  | LVV-T1525<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0380<br>LSE-61 (p. 1b) | LVV-18224<br>LVV-18224 (p. 1b) | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
|                                | LVV-20578<br>LVV-20578 (p. 2)  |                      |                       |              |
|                                | LVV-20579<br>LVV-20579 (p. 2)  |                      |                       |              |
| DMS-REQ-0382<br>LSE-61 (p. 1b) | LVV-18225<br>LVV-18225 (p. 1b) | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
|                                | LVV-20584<br>LVV-20584         |                      |                       |              |
| DMS-REQ-0385<br>LSE-61 (p. 1b) | LVV-18226<br>LVV-18226 (p. 1b) | LVV-T1528<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0379<br>LSE-61 (p. 1b) | LVV-18227<br>LVV-18227 (p. 1b) | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
| DMS-REQ-0383<br>LSE-61 (p. 1b) | LVV-18228<br>LVV-18228 (p. 1b) | LVV-T1530<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0386<br>LSE-61 (p. 1b) | LVV-18230<br>LVV-18230 (p. 1b) | LVV-T1560<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0387<br>LSE-61 (p. 1b) | LVV-18231<br>LVV-18231 (p. 1b) | LVV-T1561<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0388<br>LSE-61 (p. 1b) | LVV-18232<br>LVV-18232 (p. 1b) | LVV-T1562<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0390<br>LSE-61 (p. 1b) | LVV-18233<br>LVV-18233 (p. 1b) | LVV-T1563<br>LDM-639 |                       | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element           | Test Case            | Last Run              | Test Status  |
|--------------------------------|--------------------------------|----------------------|-----------------------|--------------|
| DMS-REQ-0389<br>LSE-61 (p. 1b) | LVV-18234<br>LVV-18234 (p. 1b) | LVV-T1564<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0394<br>LSE-61 (p. 1a) | LVV-18295<br>LVV-18295 (p. 1a) | LVV-T1831<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0391<br>LSE-61 (p. 2)  | LVV-18297<br>LVV-18297 (p. 2)  | LVV-T1867<br>LDM-639 |                       | Not Executed |
|                                | LVV-18911<br>LVV-18911 (p. 2)  | LVV-T1868<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0392<br>LSE-61 (p. 2)  | LVV-18298<br>LVV-18298 (p. 2)  | LVV-T2091<br>LDM-639 |                       | Not Executed |
|                                | LVV-19214<br>LVV-19214 (p. 2)  | LVV-T2092<br>LDM-639 |                       | Not Executed |
|                                | LVV-19215<br>LVV-19215 (p. 2)  | LVV-T2093<br>LDM-639 |                       | Not Executed |
|                                | LVV-19216<br>LVV-19216 (p. 2)  | LVV-T2094<br>LDM-639 |                       | Not Executed |
|                                | LVV-19218<br>LVV-19218 (p. 2)  | LVV-T2095<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0393<br>LSE-61 (p. 2)  | LVV-18299<br>LVV-18299 (p. 2)  | LVV-T2097<br>LDM-639 |                       | Not Executed |
|                                | LVV-19217<br>LVV-19217 (p. 2)  | LVV-T2094<br>LDM-639 |                       | Not Executed |
|                                |                                | LVV-T2096<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0395<br>LSE-61 (p. 1a) | LVV-18465<br>LVV-18465 (p. 1a) | LVV-T1830<br>LDM-639 | 2022-08-30<br>LVV-P99 | Passed       |
| DMS-REQ-0396<br>LSE-61 (p. 2)  | LVV-18841<br>LVV-18841 (p. 2)  | LVV-T2330<br>LDM-639 |                       | Not Executed |
| DMS-REQ-0397<br>LSE-61 (p. 2)  | LVV-18847<br>LVV-18847 (p. 2)  | LVV-T1863<br>LDM-639 |                       | Not Executed |

Table 3: DM LSE-61 Requirements.

| Requirement                    | Verification Element           | Test Case            | Last Run | Test Status  |
|--------------------------------|--------------------------------|----------------------|----------|--------------|
| DMS-REQ-0003<br>LSE-61 (p. 1a) | LVV-19488<br>LVV-19488 (p. 1a) | LVV-T2297<br>LDM-639 |          | Not Executed |
| DMS-REQ-0398<br>LSE-61 (p. 1a) | LVV-19489<br>LVV-19489 (p. 1a) | LVV-T2329<br>LDM-639 |          | Not Executed |
| DMS-REQ-0066<br>LSE-61 (p. 1a) | LVV-19490<br>LVV-19490 (p. 1a) | LVV-T2303<br>LDM-639 |          | Not Executed |
| DMS-REQ-0399<br>LSE-61 (p. 1b) | LVV-19491<br>LVV-19491 (p. 1b) | LVV-T2328<br>LDM-639 |          | Not Executed |

### 3.2 LSE-68 Requirements Coverage

Table 4: DM LSE-68 Requirements.

| Requirement                  | Verification Element | Test Case | Last Run | Test Status |
|------------------------------|----------------------|-----------|----------|-------------|
| CA-DM-DAQ-ICD-0094<br>LSE-68 | LVV-4669<br>LVV-4669 |           |          |             |
|                              | LVV-4670<br>LVV-4670 |           |          |             |
| CA-DM-DAQ-ICD-0082<br>LSE-68 | LVV-4675<br>LVV-4675 |           |          |             |
|                              | LVV-4676<br>LVV-4676 |           |          |             |
| CA-DM-DAQ-ICD-0093<br>LSE-68 | LVV-4729<br>LVV-4729 |           |          |             |
|                              | LVV-4730<br>LVV-4730 |           |          |             |
| CA-DM-DAQ-ICD-0097<br>LSE-68 | LVV-4735<br>LVV-4735 |           |          |             |



Table 4: DM LSE-68 Requirements.

| Requirement        | Verification Element | Test Case | Last Run | Test Status |
|--------------------|----------------------|-----------|----------|-------------|
|                    | LVV-4736             |           |          |             |
|                    | LWV-4736             |           |          |             |
| CA-DM-DAQ-ICD-0058 | LVV-4741             |           |          |             |
| LSE-68             | LWV-4741             |           |          |             |
|                    | LVV-4742             |           |          |             |
|                    | LWV-4742             |           |          |             |
| CA-DM-DAQ-ICD-0059 | LVV-4747             |           |          |             |
| LSE-68             | LWV-4747             |           |          |             |
|                    | LVV-4748             |           |          |             |
|                    | LWV-4748             |           |          |             |
| CA-DM-DAQ-ICD-0060 | LVV-4753             |           |          |             |
| LSE-68             | LWV-4753             |           |          |             |
|                    | LVV-4754             |           |          |             |
|                    | LWV-4754             |           |          |             |
| CA-DM-DAQ-ICD-0081 | LVV-4759             |           |          |             |
| LSE-68             | LWV-4759             |           |          |             |
|                    | LVV-4760             |           |          |             |
|                    | LWV-4760             |           |          |             |
| CA-DM-DAQ-ICD-0047 | LVV-4765             |           |          |             |
| LSE-68             | LWV-4765             |           |          |             |
|                    | LVV-4766             |           |          |             |
|                    | LWV-4766             |           |          |             |
| CA-DM-DAQ-ICD-0098 | LVV-4771             |           |          |             |
| LSE-68             | LWV-4771             |           |          |             |
|                    | LVV-4772             |           |          |             |
|                    | LWV-4772             |           |          |             |
| CA-DM-DAQ-ICD-0100 | LVV-4777             |           |          |             |
| LSE-68             | LWV-4777             |           |          |             |
|                    | LVV-4778             |           |          |             |
|                    | LWV-4778             |           |          |             |

Table 4: DM LSE-68 Requirements.

| Requirement                  | Verification Element | Test Case | Last Run | Test Status |
|------------------------------|----------------------|-----------|----------|-------------|
| CA-DM-DAQ-ICD-0092<br>LSE-68 | LVV-4783             |           |          |             |
|                              | LWV-4783             |           |          |             |
|                              | LVV-4784             |           |          |             |
| CA-DM-DAQ-ICD-0084<br>LSE-68 | LWV-4789             |           |          |             |
|                              | LWV-4789             |           |          |             |
|                              | LWV-4790             |           |          |             |
| CA-DM-DAQ-ICD-0099<br>LSE-68 | LWV-4795             |           |          |             |
|                              | LWV-4795             |           |          |             |
|                              | LWV-4796             |           |          |             |
| CA-DM-DAQ-ICD-0085<br>LSE-68 | LWV-4801             |           |          |             |
|                              | LWV-4801             |           |          |             |
|                              | LWV-4802             |           |          |             |
| CA-DM-DAQ-ICD-0086<br>LSE-68 | LWV-4807             |           |          |             |
|                              | LWV-4807             |           |          |             |
|                              | LWV-4808             |           |          |             |
| CA-DM-DAQ-ICD-0091<br>LSE-68 | LWV-4819             |           |          |             |
|                              | LWV-4819             |           |          |             |
|                              | LWV-4820             |           |          |             |
| CA-DM-DAQ-ICD-0075<br>LSE-68 | LWV-4825             |           |          |             |
|                              | LWV-4825             |           |          |             |
|                              | LWV-4826             |           |          |             |
| CA-DM-DAQ-ICD-0080<br>LSE-68 | LWV-4831             |           |          |             |
|                              | LWV-4831             |           |          |             |

Table 4: DM LSE-68 Requirements.

| Requirement | Verification Element | Test Case | Last Run | Test Status |
|-------------|----------------------|-----------|----------|-------------|
|             | LVV-4832             |           |          |             |
|             | LWV-4832             |           |          |             |

### 3.3 LSE-69 Requirements Coverage

Table 5: DM LSE-69 Requirements.

| Requirement                  | Verification Element | Test Case | Last Run | Test Status |
|------------------------------|----------------------|-----------|----------|-------------|
| CA-DM-CON-ICD-0003<br>LSE-69 | LVV-4843             |           |          |             |
|                              | LWV-4843             |           |          |             |
|                              | LVV-4844             |           |          |             |
|                              | LWV-4844             |           |          |             |
| CA-DM-CON-ICD-0004<br>LSE-69 | LVV-4849             |           |          |             |
|                              | LWV-4849             |           |          |             |
|                              | LVV-4850             |           |          |             |
|                              | LWV-4850             |           |          |             |
| CA-DM-CON-ICD-0019<br>LSE-69 | LVV-4855             |           |          |             |
|                              | LWV-4855             |           |          |             |
|                              | LVV-4856             |           |          |             |
|                              | LWV-4856             |           |          |             |
| CA-DM-CON-ICD-0008<br>LSE-69 | LVV-4861             |           |          |             |
|                              | LWV-4861             |           |          |             |
|                              | LVV-4862             |           |          |             |
|                              | LWV-4862             |           |          |             |
| CA-DM-CON-ICD-0002<br>LSE-69 | LVV-4873             |           |          |             |
|                              | LWV-4873             |           |          |             |
|                              | LVV-4874             |           |          |             |
|                              | LWV-4874             |           |          |             |
| CA-DM-CON-ICD-0005<br>LSE-69 | LVV-4879             |           |          |             |
|                              | LWV-4879             |           |          |             |

Table 5: DM LSE-69 Requirements.

| Requirement        | Verification Element | Test Case | Last Run | Test Status |
|--------------------|----------------------|-----------|----------|-------------|
|                    | LVV-4880             |           |          |             |
|                    | LVV-4880             |           |          |             |
| CA-DM-CON-ICD-0001 | LVV-4885             |           |          |             |
| LSE-69             | LVV-4885             |           |          |             |
|                    | LVV-4886             |           |          |             |
|                    | LVV-4886             |           |          |             |
| CA-DM-CON-ICD-0018 | LVV-4897             |           |          |             |
| LSE-69             | LVV-4897             |           |          |             |
|                    | LVV-4898             |           |          |             |
|                    | LVV-4898             |           |          |             |
| CA-DM-CON-ICD-0007 | LVV-4903             |           |          |             |
| LSE-69             | LVV-4903             |           |          |             |
|                    | LVV-4904             |           |          |             |
|                    | LVV-4904             |           |          |             |
| CA-DM-CON-ICD-0016 | LVV-4909             |           |          |             |
| LSE-69             | LVV-4909             |           |          |             |
|                    | LVV-4910             |           |          |             |
|                    | LVV-4910             |           |          |             |
| CA-DM-CON-ICD-0014 | LVV-4915             |           |          |             |
| LSE-69             | LVV-4915             |           |          |             |
|                    | LVV-4916             |           |          |             |
|                    | LVV-4916             |           |          |             |
| CA-DM-CON-ICD-0015 | LVV-4921             |           |          |             |
| LSE-69             | LVV-4921             |           |          |             |
|                    | LVV-4922             |           |          |             |
|                    | LVV-4922             |           |          |             |
| CA-DM-CON-ICD-0020 | LVV-18849            |           |          |             |
| LSE-69             | LVV-18849            |           |          |             |
| CA-DM-CON-ICD-0022 | LVV-18852            |           |          |             |
| LSE-69             | LVV-18852            |           |          |             |

Table 5: DM LSE-69 Requirements.

| Requirement        | Verification Element | Test Case | Last Run | Test Status |
|--------------------|----------------------|-----------|----------|-------------|
| CA-DM-CON-ICD-0023 | LWV-18855            |           |          |             |
| LSE-69             | LWV-18855            |           |          |             |
| CA-DM-CON-ICD-0021 | LWV-18858            |           |          |             |
| LSE-69             | LWV-18858            |           |          |             |

### 3.4 LSE-72 Requirements Coverage

Table 6: DM LSE-72 Requirements.

| Requirement         | Verification Element | Test Case | Last Run | Test Status |
|---------------------|----------------------|-----------|----------|-------------|
| OCS-DM-COM-ICD-0040 | LWV-5237             |           |          |             |
| LSE-72              | LWV-5237             |           |          |             |
|                     | LWV-5238             |           |          |             |
|                     | LWV-5238             |           |          |             |
| OCS-DM-COM-ICD-0009 | LWV-5243             |           |          |             |
| LSE-72              | LWV-5243             |           |          |             |
|                     | LWV-5244             |           |          |             |
|                     | LWV-5244             |           |          |             |
| OCS-DM-COM-ICD-0013 | LWV-5249             |           |          |             |
| LSE-72              | LWV-5249             |           |          |             |
|                     | LWV-5250             |           |          |             |
|                     | LWV-5250             |           |          |             |
| OCS-DM-COM-ICD-0015 | LWV-5255             |           |          |             |
| LSE-72              | LWV-5255             |           |          |             |
|                     | LWV-5256             |           |          |             |
|                     | LWV-5256             |           |          |             |
| OCS-DM-COM-ICD-0014 | LWV-5261             |           |          |             |
| LSE-72              | LWV-5261             |           |          |             |
|                     | LWV-5262             |           |          |             |
|                     | LWV-5262             |           |          |             |

Table 6: DM LSE-72 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| OCS-DM-COM-ICD-0038<br>LSE-72 | LWV-5267             |           |          |             |
|                               | LWV-5268             |           |          |             |
|                               | LWV-5268             |           |          |             |
| OCS-DM-COM-ICD-0039<br>LSE-72 | LWV-5273             |           |          |             |
|                               | LWV-5274             |           |          |             |
|                               | LWV-5274             |           |          |             |
| OCS-DM-COM-ICD-0037<br>LSE-72 | LWV-5279             |           |          |             |
|                               | LWV-5280             |           |          |             |
|                               | LWV-5280             |           |          |             |
| OCS-DM-COM-ICD-0036<br>LSE-72 | LWV-5285             |           |          |             |
|                               | LWV-5286             |           |          |             |
|                               | LWV-5286             |           |          |             |
| OCS-DM-COM-ICD-0012<br>LSE-72 | LWV-5291             |           |          |             |
|                               | LWV-5292             |           |          |             |
|                               | LWV-5292             |           |          |             |
| OCS-DM-COM-ICD-0003<br>LSE-72 | LWV-5297             |           |          |             |
|                               | LWV-5298             |           |          |             |
|                               | LWV-5298             |           |          |             |
| OCS-DM-COM-ICD-0034<br>LSE-72 | LWV-5303             |           |          |             |
|                               | LWV-5304             |           |          |             |
|                               | LWV-5304             |           |          |             |
| OCS-DM-COM-ICD-0032<br>LSE-72 | LWV-5309             |           |          |             |
|                               | LWV-5309             |           |          |             |

Table 6: DM LSE-72 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
|                               | LVV-5310             |           |          |             |
|                               | LW-5310              |           |          |             |
| OCS-DM-COM-ICD-0006<br>LSE-72 | LVV-5315             |           |          |             |
|                               | LW-5315              |           |          |             |
|                               | LVV-5316             |           |          |             |
|                               | LW-5316              |           |          |             |
| OCS-DM-COM-ICD-0004<br>LSE-72 | LVV-5321             |           |          |             |
|                               | LW-5321              |           |          |             |
|                               | LVV-5322             |           |          |             |
|                               | LW-5322              |           |          |             |
| OCS-DM-COM-ICD-0008<br>LSE-72 | LVV-5327             |           |          |             |
|                               | LW-5327              |           |          |             |
|                               | LVV-5328             |           |          |             |
|                               | LW-5328              |           |          |             |
| OCS-DM-COM-ICD-0033<br>LSE-72 | LVV-5333             |           |          |             |
|                               | LW-5333              |           |          |             |
|                               | LVV-5334             |           |          |             |
|                               | LW-5334              |           |          |             |
| OCS-DM-COM-ICD-0005<br>LSE-72 | LVV-5339             |           |          |             |
|                               | LW-5339              |           |          |             |
|                               | LVV-5340             |           |          |             |
|                               | LW-5340              |           |          |             |
| OCS-DM-COM-ICD-0035<br>LSE-72 | LVV-5345             |           |          |             |
|                               | LW-5345              |           |          |             |
|                               | LVV-5346             |           |          |             |
|                               | LW-5346              |           |          |             |
| OCS-DM-COM-ICD-0007<br>LSE-72 | LVV-5351             |           |          |             |
|                               | LW-5351              |           |          |             |
|                               | LVV-5352             |           |          |             |
|                               | LW-5352              |           |          |             |

Table 6: DM LSE-72 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| OCS-DM-COM-ICD-0048<br>LSE-72 | LWV-5357             |           |          |             |
|                               | LWV-5357             |           |          |             |
|                               | LWV-5358             |           |          |             |
| OCS-DM-COM-ICD-0055<br>LSE-72 | LWV-5363             |           |          |             |
|                               | LWV-5363             |           |          |             |
|                               | LWV-5364             |           |          |             |
| OCS-DM-COM-ICD-0054<br>LSE-72 | LWV-5369             |           |          |             |
|                               | LWV-5369             |           |          |             |
|                               | LWV-5370             |           |          |             |
| OCS-DM-COM-ICD-0019<br>LSE-72 | LWV-5375             |           |          |             |
|                               | LWV-5375             |           |          |             |
|                               | LWV-5376             |           |          |             |
| OCS-DM-COM-ICD-0017<br>LSE-72 | LWV-5381             |           |          |             |
|                               | LWV-5381             |           |          |             |
|                               | LWV-5382             |           |          |             |
| OCS-DM-COM-ICD-0018<br>LSE-72 | LWV-5387             |           |          |             |
|                               | LWV-5387             |           |          |             |
|                               | LWV-5388             |           |          |             |
| OCS-DM-COM-ICD-0021<br>LSE-72 | LWV-5393             |           |          |             |
|                               | LWV-5393             |           |          |             |
|                               | LWV-5394             |           |          |             |
| OCS-DM-COM-ICD-0020<br>LSE-72 | LWV-5399             |           |          |             |
|                               | LWV-5399             |           |          |             |



Table 6: DM LSE-72 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
|                               | LVV-5400             |           |          |             |
|                               | LWV-5400             |           |          |             |
| OCS-DM-COM-ICD-0047<br>LSE-72 | LVV-5405             |           |          |             |
|                               | LWV-5405             |           |          |             |
|                               | LVV-5406             |           |          |             |
|                               | LWV-5406             |           |          |             |
| OCS-DM-COM-ICD-0046<br>LSE-72 | LVV-5411             |           |          |             |
|                               | LWV-5411             |           |          |             |
|                               | LVV-5412             |           |          |             |
|                               | LWV-5412             |           |          |             |
| OCS-DM-COM-ICD-0045<br>LSE-72 | LVV-5417             |           |          |             |
|                               | LWV-5417             |           |          |             |
|                               | LVV-5418             |           |          |             |
|                               | LWV-5418             |           |          |             |
| OCS-DM-COM-ICD-0043<br>LSE-72 | LVV-5423             |           |          |             |
|                               | LWV-5423             |           |          |             |
|                               | LVV-5424             |           |          |             |
|                               | LWV-5424             |           |          |             |
| OCS-DM-COM-ICD-0044<br>LSE-72 | LVV-5429             |           |          |             |
|                               | LWV-5429             |           |          |             |
|                               | LVV-5430             |           |          |             |
|                               | LWV-5430             |           |          |             |
| OCS-DM-COM-ICD-0052<br>LSE-72 | LVV-5435             |           |          |             |
|                               | LWV-5435             |           |          |             |
|                               | LVV-5436             |           |          |             |
|                               | LWV-5436             |           |          |             |
| OCS-DM-COM-ICD-0051<br>LSE-72 | LVV-5441             |           |          |             |
|                               | LWV-5441             |           |          |             |
|                               | LVV-5442             |           |          |             |
|                               | LWV-5442             |           |          |             |

Table 6: DM LSE-72 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| OCS-DM-COM-ICD-0056<br>LSE-72 | LVV-5447             |           |          |             |
|                               | LWV-5447             |           |          |             |
|                               | LVV-5448             |           |          |             |
| OCS-DM-COM-ICD-0050<br>LSE-72 | LWV-5453             |           |          |             |
|                               | LWV-5453             |           |          |             |
|                               | LWV-5454             |           |          |             |
| OCS-DM-COM-ICD-0053<br>LSE-72 | LWV-5459             |           |          |             |
|                               | LWV-5459             |           |          |             |
|                               | LWV-5460             |           |          |             |
| OCS-DM-COM-ICD-0022<br>LSE-72 | LWV-5465             |           |          |             |
|                               | LWV-5465             |           |          |             |
|                               | LWV-5466             |           |          |             |
| OCS-DM-COM-ICD-0049<br>LSE-72 | LWV-5471             |           |          |             |
|                               | LWV-5471             |           |          |             |
|                               | LWV-5472             |           |          |             |
| OCS-DM-COM-ICD-0023<br>LSE-72 | LWV-5477             |           |          |             |
|                               | LWV-5477             |           |          |             |
|                               | LWV-5478             |           |          |             |
| OCS-DM-COM-ICD-0025<br>LSE-72 | LWV-5483             |           |          |             |
|                               | LWV-5483             |           |          |             |
|                               | LWV-5484             |           |          |             |
| OCS-DM-COM-ICD-0029<br>LSE-72 | LWV-5489             |           |          |             |
|                               | LWV-5489             |           |          |             |

Table 6: DM LSE-72 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
|                               | LVV-5490             |           |          |             |
|                               | LWV-5490             |           |          |             |
| OCS-DM-COM-ICD-0042<br>LSE-72 | LVV-5495             |           |          |             |
|                               | LWV-5495             |           |          |             |
|                               | LVV-5496             |           |          |             |
|                               | LWV-5496             |           |          |             |
| OCS-DM-COM-ICD-0030<br>LSE-72 | LVV-5501             |           |          |             |
|                               | LWV-5501             |           |          |             |
|                               | LVV-5502             |           |          |             |
|                               | LWV-5502             |           |          |             |
| OCS-DM-COM-ICD-0026<br>LSE-72 | LVV-5507             |           |          |             |
|                               | LWV-5507             |           |          |             |
|                               | LVV-5508             |           |          |             |
|                               | LWV-5508             |           |          |             |
| OCS-DM-COM-ICD-0028<br>LSE-72 | LVV-5513             |           |          |             |
|                               | LWV-5513             |           |          |             |
|                               | LVV-5514             |           |          |             |
|                               | LWV-5514             |           |          |             |
| OCS-DM-COM-ICD-0041<br>LSE-72 | LVV-5519             |           |          |             |
|                               | LWV-5519             |           |          |             |
|                               | LVV-5520             |           |          |             |
|                               | LWV-5520             |           |          |             |
| OCS-DM-COM-ICD-0027<br>LSE-72 | LVV-5525             |           |          |             |
|                               | LWV-5525             |           |          |             |
|                               | LVV-5526             |           |          |             |
|                               | LWV-5526             |           |          |             |
| OCS-DM-COM-ICD-0031<br>LSE-72 | LVV-5531             |           |          |             |
|                               | LWV-5531             |           |          |             |
|                               | LVV-5532             |           |          |             |
|                               | LWV-5532             |           |          |             |

Table 6: DM LSE-72 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| OCS-DM-COM-ICD-0002<br>LSE-72 | LVV-5537             |           |          |             |
|                               | LWV-5537             |           |          |             |
|                               | LVV-5538             |           |          |             |
| OCS-DM-COM-ICD-0001<br>LSE-72 | LWV-5538             |           |          |             |
|                               | LWV-5543             |           |          |             |
|                               | LWV-5544             |           |          |             |

### 3.5 LSE-75 Requirements Coverage

Table 7: DM LSE-75 Requirements.

| Requirement                  | Verification Element | Test Case | Last Run | Test Status |
|------------------------------|----------------------|-----------|----------|-------------|
| DM-TS-CON-ICD-0003<br>LSE-75 | LWV-5628             |           |          |             |
|                              | LWV-5628             |           |          |             |
|                              | LWV-5629             |           |          |             |
| DM-TS-CON-ICD-0010<br>LSE-75 | LWV-5629             |           |          |             |
|                              | LWV-5634             |           |          |             |
|                              | LWV-5635             |           |          |             |
| DM-TS-CON-ICD-0011<br>LSE-75 | LWV-5635             |           |          |             |
|                              | LWV-5640             |           |          |             |
|                              | LWV-5641             |           |          |             |
| DM-TS-CON-ICD-0002<br>LSE-75 | LWV-5641             |           |          |             |
|                              | LWV-5646             |           |          |             |
|                              | LWV-5647             |           |          |             |

Table 7: DM LSE-75 Requirements.

| Requirement                  | Verification Element | Test Case | Last Run | Test Status |
|------------------------------|----------------------|-----------|----------|-------------|
| DM-TS-CON-ICD-0006<br>LSE-75 | LVV-5652             |           |          |             |
|                              | LVV-5652             |           |          |             |
|                              | LVV-5653             |           |          |             |
| DM-TS-CON-ICD-0007<br>LSE-75 | LVV-5658             |           |          |             |
|                              | LVV-5658             |           |          |             |
|                              | LVV-5659             |           |          |             |
| DM-TS-CON-ICD-0009<br>LSE-75 | LVV-5664             |           |          |             |
|                              | LVV-5664             |           |          |             |
|                              | LVV-5665             |           |          |             |
| DM-TS-CON-ICD-0008<br>LSE-75 | LVV-5670             |           |          |             |
|                              | LVV-5670             |           |          |             |
|                              | LVV-5671             |           |          |             |
| DM-TS-CON-ICD-0004<br>LSE-75 | LVV-5676             |           |          |             |
|                              | LVV-5676             |           |          |             |
|                              | LVV-5677             |           |          |             |
|                              | LVV-5677             |           |          |             |

### 3.6 LSE-130 Requirements Coverage

Table 8: DM LSE-130 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| CA-DM-SUP-ICD-0026<br>LSE-130 | LVV-6140             |           |          |             |
|                               | LVV-6140             |           |          |             |
|                               | LVV-6141             |           |          |             |
|                               | LVV-6141             |           |          |             |

Table 8: DM LSE-130 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| CA-DM-SUP-ICD-0027<br>LSE-130 | LVV-6146             |           |          |             |
|                               | LWV-6146             |           |          |             |
|                               | LVV-6147             |           |          |             |
| CA-DM-SUP-ICD-0024<br>LSE-130 | LWV-6152             |           |          |             |
|                               | LWV-6152             |           |          |             |
|                               | LWV-6153             |           |          |             |
| CA-DM-SUP-ICD-0023<br>LSE-130 | LWV-6158             |           |          |             |
|                               | LWV-6158             |           |          |             |
|                               | LWV-6159             |           |          |             |
| CA-DM-SUP-ICD-0025<br>LSE-130 | LWV-6164             |           |          |             |
|                               | LWV-6164             |           |          |             |
|                               | LWV-6165             |           |          |             |
| CA-DM-SUP-ICD-0022<br>LSE-130 | LWV-6170             |           |          |             |
|                               | LWV-6170             |           |          |             |
|                               | LWV-6171             |           |          |             |
| CA-DM-SUP-ICD-0021<br>LSE-130 | LWV-6176             |           |          |             |
|                               | LWV-6176             |           |          |             |
|                               | LWV-6177             |           |          |             |
| CA-DM-SUP-ICD-0028<br>LSE-130 | LWV-6182             |           |          |             |
|                               | LWV-6182             |           |          |             |
|                               | LWV-6183             |           |          |             |
| CA-DM-SUP-ICD-0029<br>LSE-130 | LWV-6188             |           |          |             |
|                               | LWV-6188             |           |          |             |

Table 8: DM LSE-130 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
|                               | LVV-6189             |           |          |             |
|                               | LVV-6189             |           |          |             |
| CA-DM-SUP-ICD-0031<br>LSE-130 | LVV-6194             |           |          |             |
|                               | LVV-6194             |           |          |             |
|                               | LVV-6195             |           |          |             |
|                               | LVV-6195             |           |          |             |
| CA-DM-SUP-ICD-0030<br>LSE-130 | LVV-6200             |           |          |             |
|                               | LVV-6200             |           |          |             |
|                               | LVV-6201             |           |          |             |
|                               | LVV-6201             |           |          |             |
| CA-DM-SUP-ICD-0008<br>LSE-130 | LVV-6206             |           |          |             |
|                               | LVV-6206             |           |          |             |
|                               | LVV-6207             |           |          |             |
|                               | LVV-6207             |           |          |             |
| CA-DM-SUP-ICD-0007<br>LSE-130 | LVV-6212             |           |          |             |
|                               | LVV-6212             |           |          |             |
|                               | LVV-6213             |           |          |             |
|                               | LVV-6213             |           |          |             |
| CA-DM-SUP-ICD-0009<br>LSE-130 | LVV-6218             |           |          |             |
|                               | LVV-6218             |           |          |             |
|                               | LVV-6219             |           |          |             |
|                               | LVV-6219             |           |          |             |
| CA-DM-SUP-ICD-0010<br>LSE-130 | LVV-6224             |           |          |             |
|                               | LVV-6224             |           |          |             |
|                               | LVV-6225             |           |          |             |
|                               | LVV-6225             |           |          |             |
| CA-DM-SUP-ICD-0020<br>LSE-130 | LVV-6230             |           |          |             |
|                               | LVV-6230             |           |          |             |
|                               | LVV-6231             |           |          |             |
|                               | LVV-6231             |           |          |             |

Table 8: DM LSE-130 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| CA-DM-SUP-ICD-0019<br>LSE-130 | LVV-6236             |           |          |             |
|                               | LVV-6236             |           |          |             |
|                               | LVV-6237             |           |          |             |
| CA-DM-SUP-ICD-0005<br>LSE-130 | LVV-6242             |           |          |             |
|                               | LVV-6242             |           |          |             |
|                               | LVV-6243             |           |          |             |
| CA-DM-SUP-ICD-0006<br>LSE-130 | LVV-6248             |           |          |             |
|                               | LVV-6248             |           |          |             |
|                               | LVV-6249             |           |          |             |
| CA-DM-SUP-ICD-0002<br>LSE-130 | LVV-6254             |           |          |             |
|                               | LVV-6254             |           |          |             |
|                               | LVV-6255             |           |          |             |
| CA-DM-SUP-ICD-0003<br>LSE-130 | LVV-6260             |           |          |             |
|                               | LVV-6260             |           |          |             |
|                               | LVV-6261             |           |          |             |
| CA-DM-SUP-ICD-0004<br>LSE-130 | LVV-6266             |           |          |             |
|                               | LVV-6266             |           |          |             |
|                               | LVV-6267             |           |          |             |
| CA-DM-SUP-ICD-0016<br>LSE-130 | LVV-6272             |           |          |             |
|                               | LVV-6272             |           |          |             |
|                               | LVV-6273             |           |          |             |
| CA-DM-SUP-ICD-0015<br>LSE-130 | LVV-6278             |           |          |             |
|                               | LVV-6278             |           |          |             |



Table 8: DM LSE-130 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
|                               | LVV-6279             |           |          |             |
|                               | LVV-6279             |           |          |             |
| CA-DM-SUP-ICD-0017<br>LSE-130 | LVV-6284             |           |          |             |
|                               | LVV-6284             |           |          |             |
|                               | LVV-6285             |           |          |             |
|                               | LVV-6285             |           |          |             |
| CA-DM-SUP-ICD-0014<br>LSE-130 | LVV-6290             |           |          |             |
|                               | LVV-6290             |           |          |             |
|                               | LVV-6291             |           |          |             |
|                               | LVV-6291             |           |          |             |
| CA-DM-SUP-ICD-0013<br>LSE-130 | LVV-6296             |           |          |             |
|                               | LVV-6296             |           |          |             |
|                               | LVV-6297             |           |          |             |
|                               | LVV-6297             |           |          |             |
| CA-DM-SUP-ICD-0011<br>LSE-130 | LVV-6302             |           |          |             |
|                               | LVV-6302             |           |          |             |
|                               | LVV-6303             |           |          |             |
|                               | LVV-6303             |           |          |             |
| CA-DM-SUP-ICD-0012<br>LSE-130 | LVV-6308             |           |          |             |
|                               | LVV-6308             |           |          |             |
|                               | LVV-6309             |           |          |             |
|                               | LVV-6309             |           |          |             |
| CA-DM-SUP-ICD-0018<br>LSE-130 | LVV-6314             |           |          |             |
|                               | LVV-6314             |           |          |             |
|                               | LVV-6315             |           |          |             |
|                               | LVV-6315             |           |          |             |
| CA-DM-SUP-ICD-0001<br>LSE-130 | LVV-6320             |           |          |             |
|                               | LVV-6320             |           |          |             |
|                               | LVV-6321             |           |          |             |
|                               | LVV-6321             |           |          |             |

Table 8: DM LSE-130 Requirements.

| Requirement | Verification Element | Test Case | Last Run | Test Status |
|-------------|----------------------|-----------|----------|-------------|
|-------------|----------------------|-----------|----------|-------------|

### 3.7 LSE-131 Requirements Coverage

Table 9: DM LSE-131 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| EP-DM-CON-ICD-0004<br>LSE-131 | LWV-6324             |           |          |             |
|                               | LWV-6324             |           |          |             |
|                               | LWV-6325             |           |          |             |
|                               | LWV-6325             |           |          |             |
| EP-DM-CON-ICD-0021<br>LSE-131 | LWV-6330             |           |          |             |
|                               | LWV-6330             |           |          |             |
|                               | LWV-6331             |           |          |             |
|                               | LWV-6331             |           |          |             |
| EP-DM-CON-ICD-0009<br>LSE-131 | LWV-6342             |           |          |             |
|                               | LWV-6342             |           |          |             |
|                               | LWV-6343             |           |          |             |
|                               | LWV-6343             |           |          |             |
| EP-DM-CON-ICD-0034<br>LSE-131 | LWV-6348             |           |          |             |
|                               | LWV-6348             |           |          |             |
|                               | LWV-6349             |           |          |             |
|                               | LWV-6349             |           |          |             |
| EP-DM-CON-ICD-0031<br>LSE-131 | LWV-6360             |           |          |             |
|                               | LWV-6360             |           |          |             |
|                               | LWV-6361             |           |          |             |
|                               | LWV-6361             |           |          |             |
| EP-DM-CON-ICD-0019<br>LSE-131 | LWV-6372             |           |          |             |
|                               | LWV-6372             |           |          |             |
|                               | LWV-6373             |           |          |             |
|                               | LWV-6373             |           |          |             |

Table 9: DM LSE-131 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| EP-DM-CON-ICD-0002<br>LSE-131 | LWV-6378             |           |          |             |
|                               | LWV-6378             |           |          |             |
|                               | LWV-6379             |           |          |             |
| EP-DM-CON-ICD-0033<br>LSE-131 | LWV-6384             |           |          |             |
|                               | LWV-6384             |           |          |             |
|                               | LWV-6385             |           |          |             |
| EP-DM-CON-ICD-0032<br>LSE-131 | LWV-6390             |           |          |             |
|                               | LWV-6390             |           |          |             |
|                               | LWV-6391             |           |          |             |
| EP-DM-CON-ICD-0020<br>LSE-131 | LWV-6402             |           |          |             |
|                               | LWV-6402             |           |          |             |
|                               | LWV-6403             |           |          |             |
| EP-DM-CON-ICD-0036<br>LSE-131 | LWV-6751             |           |          |             |
|                               | LWV-6751             |           |          |             |
|                               | LWV-6752             |           |          |             |
| EP-DM-CON-ICD-0035<br>LSE-131 | LWV-6757             |           |          |             |
|                               | LWV-6757             |           |          |             |
|                               | LWV-6758             |           |          |             |

### 3.8 LSE-140 Requirements Coverage

Table 10: DM LSE-140 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| DM-TS-AUX-ICD-0020<br>LSE-140 | LVV-6420             |           |          |             |
|                               | LWV-6420             |           |          |             |
|                               | LVV-6421             |           |          |             |
|                               | LWV-6421             |           |          |             |
| DM-TS-AUX-ICD-0029<br>LSE-140 | LVV-6426             |           |          |             |
|                               | LWV-6426             |           |          |             |
|                               | LVV-6427             |           |          |             |
|                               | LWV-6427             |           |          |             |
| DM-TS-AUX-ICD-0027<br>LSE-140 | LVV-6432             |           |          |             |
|                               | LWV-6432             |           |          |             |
|                               | LVV-6433             |           |          |             |
|                               | LWV-6433             |           |          |             |
| DM-TS-AUX-ICD-0022<br>LSE-140 | LVV-6438             |           |          |             |
|                               | LWV-6438             |           |          |             |
| DM-TS-AUX-ICD-0023<br>LSE-140 | LVV-6444             |           |          |             |
|                               | LWV-6444             |           |          |             |
| DM-TS-AUX-ICD-0021<br>LSE-140 | LVV-6450             |           |          |             |
|                               | LWV-6450             |           |          |             |
| DM-TS-AUX-ICD-0025<br>LSE-140 | LVV-6456             |           |          |             |
|                               | LWV-6456             |           |          |             |
|                               | LVV-6457             |           |          |             |
|                               | LWV-6457             |           |          |             |
|                               | LVV-6462             |           |          |             |
|                               | LWV-6462             |           |          |             |
|                               | LVV-6463             |           |          |             |
|                               | LWV-6463             |           |          |             |
| DM-TS-AUX-ICD-0024<br>LSE-140 | LVV-6468             |           |          |             |
|                               | LWV-6468             |           |          |             |
|                               | LVV-6469             |           |          |             |
|                               | LWV-6469             |           |          |             |

Table 10: DM LSE-140 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
| DM-TS-AUX-ICD-0037<br>LSE-140 | LWV-6474             |           |          |             |
|                               | LWV-6474             |           |          |             |
|                               | LWV-6475             |           |          |             |
| DM-TS-AUX-ICD-0002<br>LSE-140 | LWV-6480             |           |          |             |
|                               | LWV-6480             |           |          |             |
|                               | LWV-6481             |           |          |             |
| DM-TS-AUX-ICD-0001<br>LSE-140 | LWV-6486             |           |          |             |
|                               | LWV-6486             |           |          |             |
|                               | LWV-6487             |           |          |             |
| DM-TS-AUX-ICD-0007<br>LSE-140 | LWV-6492             |           |          |             |
|                               | LWV-6492             |           |          |             |
|                               | LWV-6493             |           |          |             |
| DM-TS-AUX-ICD-0008<br>LSE-140 | LWV-6498             |           |          |             |
|                               | LWV-6498             |           |          |             |
|                               | LWV-6499             |           |          |             |
| DM-TS-AUX-ICD-0010<br>LSE-140 | LWV-6504             |           |          |             |
|                               | LWV-6504             |           |          |             |
| DM-TS-AUX-ICD-0009<br>LSE-140 | LWV-6510             |           |          |             |
|                               | LWV-6510             |           |          |             |
| DM-TS-AUX-ICD-0011<br>LSE-140 | LWV-6516             |           |          |             |
|                               | LWV-6516             |           |          |             |
| DM-TS-AUX-ICD-0006<br>LSE-140 | LWV-6522             |           |          |             |
|                               | LWV-6522             |           |          |             |
| DM-TS-AUX-ICD-0004<br>LSE-140 | LWV-6528             |           |          |             |
|                               | LWV-6528             |           |          |             |

Table 10: DM LSE-140 Requirements.

| Requirement        | Verification Element | Test Case | Last Run | Test Status |
|--------------------|----------------------|-----------|----------|-------------|
|                    | LWV-6529             |           |          |             |
|                    | LW-6529              |           |          |             |
| DM-TS-AUX-ICD-0003 | LWV-6534             |           |          |             |
| LSE-140            | LW-6534              |           |          |             |
|                    | LWV-6535             |           |          |             |
|                    | LW-6535              |           |          |             |
| DM-TS-AUX-ICD-0034 | LWV-6540             |           |          |             |
| LSE-140            | LW-6540              |           |          |             |
|                    | LWV-6541             |           |          |             |
|                    | LW-6541              |           |          |             |
| DM-TS-AUX-ICD-0036 | LWV-6546             |           |          |             |
| LSE-140            | LW-6546              |           |          |             |
|                    | LWV-6547             |           |          |             |
|                    | LW-6547              |           |          |             |
| DM-TS-AUX-ICD-0019 | LWV-6552             |           |          |             |
| LSE-140            | LW-6552              |           |          |             |
|                    | LWV-6553             |           |          |             |
|                    | LW-6553              |           |          |             |
| DM-TS-AUX-ICD-0018 | LWV-6558             |           |          |             |
| LSE-140            | LW-6558              |           |          |             |
|                    | LWV-6559             |           |          |             |
|                    | LW-6559              |           |          |             |
| DM-TS-AUX-ICD-0014 | LWV-6564             |           |          |             |
| LSE-140            | LW-6564              |           |          |             |
| DM-TS-AUX-ICD-0012 | LWV-6570             |           |          |             |
| LSE-140            | LW-6570              |           |          |             |
| DM-TS-AUX-ICD-0028 | LWV-6576             |           |          |             |
| LSE-140            | LW-6576              |           |          |             |
| DM-TS-AUX-ICD-0035 | LWV-6594             |           |          |             |
| LSE-140            | LW-6594              |           |          |             |

Table 10: DM LSE-140 Requirements.

| Requirement                   | Verification Element | Test Case | Last Run | Test Status |
|-------------------------------|----------------------|-----------|----------|-------------|
|                               | LVV-6595             |           |          |             |
|                               | LWV-6595             |           |          |             |
| DM-TS-AUX-ICD-0033<br>LSE-140 | LVV-6600             |           |          |             |
|                               | LWV-6600             |           |          |             |
|                               | LVV-6601             |           |          |             |
|                               | LWV-6601             |           |          |             |
| DM-TS-AUX-ICD-0032<br>LSE-140 | LVV-6606             |           |          |             |
|                               | LWV-6606             |           |          |             |
|                               | LVV-6607             |           |          |             |
|                               | LWV-6607             |           |          |             |

### 3.9 LDM-554 Requirements Coverage

Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element | Test Case | Last Run   | Test Status      |
|-----------------------------|----------------------|-----------|------------|------------------|
| DMS-LSP-REQ-0007<br>LDM-554 | LVV-9806             | LVV-T605  |            | Not Executed     |
|                             | LWV-9806             | LDM-540   |            |                  |
| DMS-LSP-REQ-0001<br>LDM-554 | LVV-9807             | LVV-T2    | 2019-05-20 | Passed           |
|                             | LWV-9807             | LDM-540   | LWV-P42    |                  |
|                             |                      | LVV-T598  |            | Not Executed     |
|                             |                      | LDM-540   |            |                  |
| DMS-LSP-REQ-0004<br>LDM-554 | LVV-9808             | LVV-T3    | 2019-05-20 | Passed           |
|                             | LWV-9808             | LDM-540   | LWV-P42    |                  |
|                             |                      | LVV-T602  |            | Not Executed     |
|                             |                      | LDM-540   |            |                  |
|                             |                      | LVV-T1437 | 2019-12-09 | Pass w/Deviation |
|                             |                      | LDM-540   | LWV-P48    |                  |
| DMS-LSP-REQ-0005<br>LDM-554 | LVV-9809             | LVV-T2    | 2019-05-20 | Passed           |
|                             | LWV-9809             | LDM-540   | LWV-P42    |                  |

Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element | Test Case            | Last Run              | Test Status      |
|-----------------------------|----------------------|----------------------|-----------------------|------------------|
|                             |                      | LVV-T603<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
|                             |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                             |                      | LVV-T1437<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-LSP-REQ-0003<br>LDM-554 | LVV-9810<br>LVV-9810 | LVV-T601<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-LSP-REQ-0002<br>LDM-554 | LVV-9811<br>LVV-9811 | LVV-T5<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed           |
|                             |                      | LVV-T600<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
| DMS-LSP-REQ-0006<br>LDM-554 | LVV-9812<br>LVV-9812 | LVV-T604<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
|                             |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                             |                      | LVV-T1437<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-LSP-REQ-0009<br>LDM-554 | LVV-9813<br>LVV-9813 | LVV-T607<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0008<br>LDM-554 | LVV-9814<br>LVV-9814 | LVV-T8<br>LDM-540    |                       | Not Executed     |



Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element | Test Case            | Last Run              | Test Status      |
|-----------------------------|----------------------|----------------------|-----------------------|------------------|
|                             |                      | LVV-T9<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed           |
|                             |                      | LVV-T606<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0010<br>LDM-554 | LVV-9815<br>LVV-9815 | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                             |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-LSP-REQ-0012<br>LDM-554 | LVV-9816<br>LVV-9816 | LVV-T610<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0011<br>LDM-554 | LVV-9817<br>LVV-9817 | LVV-T609<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0013<br>LDM-554 | LVV-9818<br>LVV-9818 | LVV-T611<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0014<br>LDM-554 | LVV-9819<br>LVV-9819 | LVV-T5<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed           |
|                             |                      | LVV-T6<br>LDM-540    | 2019-05-20<br>LVV-P42 | Pass w/Deviation |
|                             |                      | LVV-T7<br>LDM-540    |                       | Not Executed     |
|                             |                      | LVV-T612<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-LSP-REQ-0018<br>LDM-554 | LVV-9820<br>LVV-9820 | LVV-T7<br>LDM-540    |                       | Not Executed     |
|                             |                      | LVV-T616<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element | Test Case            | Last Run              | Test Status      |
|-----------------------------|----------------------|----------------------|-----------------------|------------------|
|                             |                      | LVV-T2718            |                       | Not Executed     |
| DMS-LSP-REQ-0017<br>LDM-554 | LVV-9821             | LVV-T6<br>LDM-540    | 2019-05-20<br>LVV-P42 | Pass w/Deviation |
|                             |                      | LVV-T615<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-LSP-REQ-0016<br>LDM-554 | LVV-9822             | LVV-T614<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0015<br>LDM-554 | LVV-9823             | LVV-T613<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0028<br>LDM-554 | LVV-9824             | LVV-T4<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed           |
|                             |                      | LVV-T617<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0029<br>LDM-554 | LVV-9825             | LVV-T4<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed           |
|                             |                      | LVV-T618<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0030<br>LDM-554 | LVV-9826             | LVV-T619<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0031<br>LDM-554 | LVV-9827             | LVV-T620<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0019<br>LDM-554 | LVV-9828             | LVV-T621<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0025<br>LDM-554 | LVV-9829             | LVV-T627<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0020<br>LDM-554 | LVV-9830             | LVV-T622<br>LDM-540  | 2019-11-25<br>LVV-P48 | Pass w/Deviation |

Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element | Test Case            | Last Run              | Test Status      |
|-----------------------------|----------------------|----------------------|-----------------------|------------------|
|                             |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
|                             |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                             |                      | LVV-T1437<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-LSP-REQ-0022<br>LDM-554 | LVV-9831<br>LVV-9831 | LVV-T624<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
|                             |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                             |                      | LVV-T1437<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-LSP-REQ-0021<br>LDM-554 | LVV-9832<br>LVV-9832 | LVV-T623<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0027<br>LDM-554 | LVV-9833<br>LVV-9833 | LVV-T629<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0023<br>LDM-554 | LVV-9834<br>LVV-9834 | LVV-T625<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
|                             |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                             |                      | LVV-T1437<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-LSP-REQ-0024<br>LDM-554 | LVV-9835<br>LVV-9835 | LVV-T626<br>LDM-540  |                       | Not Executed     |
|                             |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status      |
|------------------------------|----------------------|----------------------|-----------------------|------------------|
|                              |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                              |                      | LVV-T1437<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-LSP-REQ-0026<br>LDM-554  | LVV-9836<br>LVV-9836 | LVV-T628<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-LSP-REQ-0033<br>LDM-554  | LVV-9837<br>LVV-9837 | LVV-T631<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0034<br>LDM-554  | LVV-9838<br>LVV-9838 | LVV-T632<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0032<br>LDM-554  | LVV-9839<br>LVV-9839 | LVV-T630<br>LDM-540  |                       | Not Executed     |
| DMS-LSP-REQ-0035<br>LDM-554  | LVV-9840<br>LVV-9840 | LVV-T633<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0001<br>LDM-554 | LVV-9841<br>LVV-9841 | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
|                              |                      | LVV-T849             |                       | Not Executed     |
| DMS-PRTL-REQ-0005<br>LDM-554 | LVV-9842<br>LVV-9842 | LVV-T638<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0007<br>LDM-554 | LVV-9843<br>LVV-9843 | LVV-T640<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0008<br>LDM-554 | LVV-9844<br>LVV-9844 | LVV-T641<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0006<br>LDM-554 | LVV-9845<br>LVV-9845 | LVV-T639<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0003<br>LDM-554 | LVV-9846<br>LVV-9846 | LVV-T636<br>LDM-540  |                       | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status      |
|------------------------------|----------------------|----------------------|-----------------------|------------------|
|                              |                      | LVV-T1818<br>LDM-540 | 2020-05-11<br>LVV-P69 | Pass w/Deviation |
| DMS-PRTL-REQ-0002<br>LDM-554 | LVV-9847<br>LVV-9847 | LVV-T635<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0004<br>LDM-554 | LVV-9848<br>LVV-9848 | LVV-T8<br>LDM-540    |                       | Not Executed     |
|                              |                      | LVV-T637<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0010<br>LDM-554 | LVV-9849<br>LVV-9849 | LVV-T643<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0013<br>LDM-554 | LVV-9850<br>LVV-9850 | LVV-T646<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0012<br>LDM-554 | LVV-9851<br>LVV-9851 | LVV-T645<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0014<br>LDM-554 | LVV-9852<br>LVV-9852 | LVV-T647<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0011<br>LDM-554 | LVV-9853<br>LVV-9853 | LVV-T644<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0009<br>LDM-554 | LVV-9854<br>LVV-9854 | LVV-T642<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0017<br>LDM-554 | LVV-9855<br>LVV-9855 | LVV-T650<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
| DMS-PRTL-REQ-0016<br>LDM-554 | LVV-9856<br>LVV-9856 | LVV-T5<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed           |
|                              |                      | LVV-T649<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status  |
|------------------------------|----------------------|----------------------|-----------------------|--------------|
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed       |
| DMS-PRTL-REQ-0015<br>LDM-554 | LVV-9857<br>LVV-9857 | LVV-T648<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed       |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed       |
| DMS-PRTL-REQ-0018<br>LDM-554 | LVV-9858<br>LVV-9858 | LVV-T651<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0028<br>LDM-554 | LVV-9859<br>LVV-9859 | LVV-T5<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed       |
|                              |                      | LVV-T652<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0029<br>LDM-554 | LVV-9860<br>LVV-9860 | LVV-T653<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0030<br>LDM-554 | LVV-9861<br>LVV-9861 | LVV-T654<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0022<br>LDM-554 | LVV-9862<br>LVV-9862 | LVV-T5<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed       |
|                              |                      | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
|                              |                      | LVV-T2717            |                       | Not Executed |
| DMS-PRTL-REQ-0023<br>LDM-554 | LVV-9863<br>LVV-9863 | LVV-T658<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0024<br>LDM-554 | LVV-9864<br>LVV-9864 | LVV-T659<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0021<br>LDM-554 | LVV-9865<br>LVV-9865 | LVV-T5<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed       |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status  |
|------------------------------|----------------------|----------------------|-----------------------|--------------|
|                              |                      | LVV-T656<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0020<br>LDM-554 | LVV-9866<br>LVV-9866 | LVV-T655<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed       |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed       |
|                              |                      | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
|                              |                      | LVV-T2717            |                       | Not Executed |
| DMS-PRTL-REQ-0025<br>LDM-554 | LVV-9867<br>LVV-9867 | LVV-T660<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0027<br>LDM-554 | LVV-9868<br>LVV-9868 | LVV-T5<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed       |
|                              |                      | LVV-T662<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0026<br>LDM-554 | LVV-9869<br>LVV-9869 | LVV-T5<br>LDM-540    | 2019-05-20<br>LVV-P42 | Passed       |
|                              |                      | LVV-T661<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed       |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed       |
|                              |                      | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
|                              |                      | LVV-T2717            |                       | Not Executed |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status  |
|------------------------------|----------------------|----------------------|-----------------------|--------------|
| DMS-PRTL-REQ-0019<br>LDM-554 | LVV-9870             | LVV-T663             |                       | Not Executed |
|                              | LVV-9870             | LDM-540              |                       |              |
|                              |                      | LVV-T2677            | 2022-09-19            | Not Executed |
|                              |                      | LDM-540              | LVV-P80               |              |
|                              |                      | LVV-T2711            |                       | Not Executed |
| DMS-PRTL-REQ-0034<br>LDM-554 | LVV-9871<br>LVV-9871 | LVV-T668<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0033<br>LDM-554 | LVV-9872<br>LVV-9872 | LVV-T667<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0032<br>LDM-554 | LVV-9873<br>LVV-9873 | LVV-T666<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0031<br>LDM-554 | LVV-9874<br>LVV-9874 | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
| DMS-PRTL-REQ-0039<br>LDM-554 | LVV-9875<br>LVV-9875 | LVV-T673             |                       | Not Executed |
|                              |                      | LDM-540              |                       |              |
|                              |                      | LVV-T707             | 2022-09-20            | Passed       |
|                              |                      | LDM-540              | LVV-P80               |              |
|                              |                      | LVV-T2709            |                       | Not Executed |
|                              |                      | LVV-T2710            |                       | Not Executed |
|                              |                      | LVV-T2721            | 2022-09-20            | Not Executed |
|                              |                      | LDM-540              | LVV-P80               |              |
| DMS-PRTL-REQ-0037<br>LDM-554 | LVV-9876<br>LVV-9876 | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
| DMS-PRTL-REQ-0036<br>LDM-554 | LVV-9877<br>LVV-9877 | LVV-T670<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0035<br>LDM-554 | LVV-9878<br>LVV-9878 | LVV-T669<br>LDM-540  |                       | Not Executed |



Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status  |
|------------------------------|----------------------|----------------------|-----------------------|--------------|
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2712            |                       | Not Executed |
| DMS-PRTL-REQ-0038<br>LDM-554 | LVV-9879<br>LVV-9879 | LVV-T672<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T707<br>LDM-540  | 2022-09-20<br>LVV-P80 | Passed       |
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2709            |                       | Not Executed |
|                              |                      | LVV-T2710            |                       | Not Executed |
| DMS-PRTL-REQ-0041<br>LDM-554 | LVV-9880<br>LVV-9880 | LVV-T7<br>LDM-540    |                       | Not Executed |
|                              |                      | LVV-T674<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0040<br>LDM-554 | LVV-9881<br>LVV-9881 | LVV-T7<br>LDM-540    |                       | Not Executed |
|                              |                      | LVV-T675<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0044<br>LDM-554 | LVV-9882<br>LVV-9882 | LVV-T679<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2721<br>LDM-540 | 2022-09-20<br>LVV-P80 | Not Executed |
| DMS-PRTL-REQ-0043<br>LDM-554 | LVV-9883<br>LVV-9883 | LVV-T678<br>LDM-540  |                       | Not Executed |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status      |
|------------------------------|----------------------|----------------------|-----------------------|------------------|
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |
|                              |                      | LVV-T2721<br>LDM-540 | 2022-09-20<br>LVV-P80 | Not Executed     |
| DMS-PRTL-REQ-0042<br>LDM-554 | LVV-9884<br>LVV-9884 | LVV-T677<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |
|                              |                      | LVV-T2721<br>LDM-540 | 2022-09-20<br>LVV-P80 | Not Executed     |
| DMS-PRTL-REQ-0045<br>LDM-554 | LVV-9885<br>LVV-9885 | LVV-T680<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0046<br>LDM-554 | LVV-9886<br>LVV-9886 | LVV-T681<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T1818<br>LDM-540 | 2020-05-11<br>LVV-P69 | Pass w/Deviation |
| DMS-PRTL-REQ-0048<br>LDM-554 | LVV-9887<br>LVV-9887 | LVV-T683<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0047<br>LDM-554 | LVV-9888<br>LVV-9888 | LVV-T682<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0050<br>LDM-554 | LVV-9889<br>LVV-9889 | LVV-T6<br>LDM-540    | 2019-05-20<br>LVV-P42 | Pass w/Deviation |
|                              |                      | LVV-T685<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-PRTL-REQ-0052<br>LDM-554 | LVV-9890<br>LVV-9890 | LVV-T687<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0049<br>LDM-554 | LVV-9891<br>LVV-9891 | LVV-T6<br>LDM-540    | 2019-05-20<br>LVV-P42 | Pass w/Deviation |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status      |
|------------------------------|----------------------|----------------------|-----------------------|------------------|
|                              |                      | LVV-T684<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-PRTL-REQ-0051<br>LDM-554 | LVV-9892<br>LVV-9892 | LVV-T686<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0054<br>LDM-554 | LVV-9893<br>LVV-9893 | LVV-T6<br>LDM-540    | 2019-05-20<br>LVV-P42 | Pass w/Deviation |
|                              |                      | LVV-T689<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-PRTL-REQ-0053<br>LDM-554 | LVV-9894<br>LVV-9894 | LVV-T6<br>LDM-540    | 2019-05-20<br>LVV-P42 | Pass w/Deviation |
|                              |                      | LVV-T688<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0056<br>LDM-554 | LVV-9895<br>LVV-9895 | LVV-T6<br>LDM-540    | 2019-05-20<br>LVV-P42 | Pass w/Deviation |
|                              |                      | LVV-T691<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0061<br>LDM-554 | LVV-9896<br>LVV-9896 | LVV-T696<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0059<br>LDM-554 | LVV-9897<br>LVV-9897 | LVV-T694<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0058<br>LDM-554 | LVV-9898<br>LVV-9898 | LVV-T693<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0060<br>LDM-554 | LVV-9899<br>LVV-9899 | LVV-T695<br>LDM-540  |                       | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status      |
|------------------------------|----------------------|----------------------|-----------------------|------------------|
| DMS-PRTL-REQ-0057<br>LDM-554 | LVV-9900<br>LVV-9900 | LVV-T692<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0055<br>LDM-554 | LVV-9901<br>LVV-9901 | LVV-T6<br>LDM-540    | 2019-05-20<br>LVV-P42 | Pass w/Deviation |
|                              |                      | LVV-T690<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-PRTL-REQ-0067<br>LDM-554 | LVV-9902<br>LVV-9902 | LVV-T701<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0066<br>LDM-554 | LVV-9903<br>LVV-9903 | LVV-T700<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0065<br>LDM-554 | LVV-9904<br>LVV-9904 | LVV-T2721<br>LDM-540 | 2022-09-20<br>LVV-P80 | Not Executed     |
| DMS-PRTL-REQ-0062<br>LDM-554 | LVV-9905<br>LVV-9905 | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |
|                              |                      | LVV-T2712            |                       | Not Executed     |
| DMS-PRTL-REQ-0063<br>LDM-554 | LVV-9906<br>LVV-9906 | LVV-T697<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0064<br>LDM-554 | LVV-9907<br>LVV-9907 | LVV-T698<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0068<br>LDM-554 | LVV-9908<br>LVV-9908 | LVV-T702<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0069<br>LDM-554 | LVV-9909<br>LVV-9909 | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |
|                              |                      | LVV-T2718            |                       | Not Executed     |
| DMS-PRTL-REQ-0074<br>LDM-554 | LVV-9910<br>LVV-9910 | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status  |
|------------------------------|----------------------|----------------------|-----------------------|--------------|
|                              |                      | LVV-T2718            |                       | Not Executed |
| DMS-PRTL-REQ-0071<br>LDM-554 | LVV-9911<br>LVV-9911 | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2718            |                       | Not Executed |
| DMS-PRTL-REQ-0072<br>LDM-554 | LVV-9912<br>LVV-9912 | LVV-T706<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0073<br>LDM-554 | LVV-9913<br>LVV-9913 | LVV-T707<br>LDM-540  | 2022-09-20<br>LVV-P80 | Passed       |
| DMS-PRTL-REQ-0070<br>LDM-554 | LVV-9914<br>LVV-9914 | LVV-T704<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
|                              |                      | LVV-T2718            |                       | Not Executed |
| DMS-PRTL-REQ-0075<br>LDM-554 | LVV-9915<br>LVV-9915 | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2721<br>LDM-540 | 2022-09-20<br>LVV-P80 | Not Executed |
| DMS-PRTL-REQ-0077<br>LDM-554 | LVV-9916<br>LVV-9916 | LVV-T711<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0076<br>LDM-554 | LVV-9917<br>LVV-9917 | LVV-T710<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed       |
| DMS-PRTL-REQ-0078<br>LDM-554 | LVV-9918<br>LVV-9918 | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status  |
|------------------------------|----------------------|----------------------|-----------------------|--------------|
| DMS-PRTL-REQ-0081<br>LDM-554 | LVV-9919             | LVV-T715<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0080<br>LDM-554 | LVV-9920             | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
| DMS-PRTL-REQ-0082<br>LDM-554 | LVV-9921             | LVV-T716<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0079<br>LDM-554 | LVV-9922             | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
| DMS-PRTL-REQ-0087<br>LDM-554 | LVV-9923             | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2718            |                       | Not Executed |
| DMS-PRTL-REQ-0083<br>LDM-554 | LVV-9924             | LVV-T717<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
|                              |                      | LVV-T2718            |                       | Not Executed |
| DMS-PRTL-REQ-0086<br>LDM-554 | LVV-9925             | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed       |
|                              |                      | LVV-T2718            |                       | Not Executed |
| DMS-PRTL-REQ-0085<br>LDM-554 | LVV-9926             | LVV-T719<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status      |
|------------------------------|----------------------|----------------------|-----------------------|------------------|
|                              |                      | LVV-T2718            |                       | Not Executed     |
| DMS-PRTL-REQ-0088<br>LDM-554 | LVV-9927             | LVV-T722<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0084<br>LDM-554 | LVV-9928             | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |
|                              |                      | LVV-T2716<br>LDM-540 | 2022-09-20<br>LVV-P80 | Passed           |
| DMS-PRTL-REQ-0091<br>LDM-554 | LVV-9929             | LVV-T725<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0093<br>LDM-554 | LVV-9930             | LVV-T727<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0092<br>LDM-554 | LVV-9931             | LVV-T726<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-PRTL-REQ-0095<br>LDM-554 | LVV-9932             | LVV-T729<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T1334<br>LDM-540 | 2021-10-07<br>LVV-P48 | Passed           |
|                              |                      | LVV-T1818<br>LDM-540 | 2020-05-11<br>LVV-P69 | Pass w/Deviation |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-PRTL-REQ-0090<br>LDM-554 | LVV-9933             | LVV-T724<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-PRTL-REQ-0089<br>LDM-554 | LVV-9934             | LVV-T723<br>LDM-540  |                       | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status  |
|------------------------------|----------------------|----------------------|-----------------------|--------------|
| DMS-PRTL-REQ-0094<br>LDM-554 | LVV-9935<br>LVV-9935 | LVV-T728<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0096<br>LDM-554 | LVV-9936<br>LVV-9936 | LVV-T730<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0097<br>LDM-554 | LVV-9937<br>LVV-9937 | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2718            |                       | Not Executed |
| DMS-PRTL-REQ-0105<br>LDM-554 | LVV-9938<br>LVV-9938 | LVV-T739<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0107<br>LDM-554 | LVV-9939<br>LVV-9939 | LVV-T741<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed       |
| DMS-PRTL-REQ-0102<br>LDM-554 | LVV-9940<br>LVV-9940 | LVV-T736<br>LDM-540  |                       | Not Executed |
| DMS-PRTL-REQ-0106<br>LDM-554 | LVV-9941<br>LVV-9941 | LVV-T740<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed       |
|                              |                      | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed |
|                              |                      | LVV-T2712            |                       | Not Executed |
|                              |                      | LVV-T2721<br>LDM-540 | 2022-09-20<br>LVV-P80 | Not Executed |
| DMS-PRTL-REQ-0098<br>LDM-554 | LVV-9942<br>LVV-9942 | LVV-T732<br>LDM-540  |                       | Not Executed |
|                              |                      | LVV-T2171<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed       |



Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element   | Test Case            | Last Run              | Test Status      |
|------------------------------|------------------------|----------------------|-----------------------|------------------|
|                              |                        | LVV-T2172<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
|                              | LVV-20546<br>LVV-20546 |                      |                       |                  |
| DMS-PRTL-REQ-0099<br>LDM-554 | LVV-9943<br>LVV-9943   | LVV-T733<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0100<br>LDM-554 | LVV-9944<br>LVV-9944   | LVV-T734<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0101<br>LDM-554 | LVV-9945<br>LVV-9945   | LVV-T735<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0104<br>LDM-554 | LVV-9946<br>LVV-9946   | LVV-T738<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0108<br>LDM-554 | LVV-9947<br>LVV-9947   | LVV-T742<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0103<br>LDM-554 | LVV-9948<br>LVV-9948   | LVV-T737<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0109<br>LDM-554 | LVV-9949<br>LVV-9949   | LVV-T743<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0113<br>LDM-554 | LVV-9950<br>LVV-9950   | LVV-T747<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0111<br>LDM-554 | LVV-9951<br>LVV-9951   | LVV-T745<br>LDM-540  |                       | Not Executed     |
|                              |                        | LVV-T1818<br>LDM-540 | 2020-05-11<br>LVV-P69 | Pass w/Deviation |
|                              |                        | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |
|                              |                        | LVV-T2718            |                       | Not Executed     |
| DMS-PRTL-REQ-0114<br>LDM-554 | LVV-9952<br>LVV-9952   | LVV-T748<br>LDM-540  |                       | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status      |
|------------------------------|----------------------|----------------------|-----------------------|------------------|
| DMS-PRTL-REQ-0112<br>LDM-554 | LVV-9953             | LVV-T746<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0110<br>LDM-554 | LVV-9954             | LVV-T744<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T1818<br>LDM-540 | 2020-05-11<br>LVV-P69 | Pass w/Deviation |
| DMS-PRTL-REQ-0115<br>LDM-554 | LVV-9955             | LVV-T749<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0117<br>LDM-554 | LVV-9956             | LVV-T751<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0118<br>LDM-554 | LVV-9957             | LVV-T752<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0116<br>LDM-554 | LVV-9958             | LVV-T750<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0127<br>LDM-554 | LVV-9959             | LVV-T756<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0119<br>LDM-554 | LVV-9960             | LVV-T753<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0120<br>LDM-554 | LVV-9961             | LVV-T754<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0121<br>LDM-554 | LVV-9962             | LVV-T755<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0122<br>LDM-554 | LVV-9963             | LVV-T757<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0124<br>LDM-554 | LVV-9964             | LVV-T759<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0123<br>LDM-554 | LVV-9965             | LVV-T758<br>LDM-540  |                       | Not Executed     |
| DMS-PRTL-REQ-0126<br>LDM-554 | LVV-9966             | LVV-T761<br>LDM-540  |                       | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                  | Verification Element | Test Case            | Last Run              | Test Status      |
|------------------------------|----------------------|----------------------|-----------------------|------------------|
| DMS-PRTL-REQ-0125<br>LDM-554 | LVV-9967<br>LVV-9967 | LVV-T760<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0010<br>LDM-554   | LVV-9968<br>LVV-9968 | LVV-T767<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0009<br>LDM-554   | LVV-9969<br>LVV-9969 | LVV-T766<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T2171<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-NB-REQ-0014<br>LDM-554   | LVV-9970<br>LVV-9970 | LVV-T771<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0005<br>LDM-554   | LVV-9971<br>LVV-9971 | LVV-T762<br>LDM-540  |                       | Not Executed     |
|                              |                      | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                              |                      | LVV-T2171<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-NB-REQ-0015<br>LDM-554   | LVV-9972<br>LVV-9972 | LVV-T772<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0013<br>LDM-554   | LVV-9973<br>LVV-9973 | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-NB-REQ-0007<br>LDM-554   | LVV-9974<br>LVV-9974 | LVV-T2171<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-NB-REQ-0008<br>LDM-554   | LVV-9975<br>LVV-9975 | LVV-T765<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0006<br>LDM-554   | LVV-9976<br>LVV-9976 | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-NB-REQ-0012<br>LDM-554   | LVV-9977<br>LVV-9977 | LVV-T769<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0011<br>LDM-554   | LVV-9978<br>LVV-9978 | LVV-T768<br>LDM-540  |                       | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                | Verification Element | Test Case | Last Run   | Test Status      |
|----------------------------|----------------------|-----------|------------|------------------|
| DMS-NB-REQ-0023<br>LDM-554 | LVV-9979             | LVV-T780  |            | Not Executed     |
|                            | LVV-9979             | LDM-540   |            | Not Executed     |
|                            |                      | LVV-T2339 | LVV-P90    | Not Executed     |
| DMS-NB-REQ-0017<br>LDM-554 | LVV-9980             | LVV-T774  |            | Not Executed     |
|                            | LVV-9980             | LDM-540   |            | Not Executed     |
|                            |                      | LVV-T1436 | 2019-12-09 | Pass w/Deviation |
|                            |                      | LDM-540   | LVV-P48    | Pass w/Deviation |
|                            |                      | LVV-T2171 | 2021-10-01 | Passed           |
|                            |                      | LDM-540   | LVV-P79    | Passed           |
| DMS-NB-REQ-0021<br>LDM-554 | LVV-9981             | LVV-T778  |            | Not Executed     |
|                            | LVV-9981             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0022<br>LDM-554 | LVV-9982             | LVV-T779  |            | Not Executed     |
|                            | LVV-9982             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0016<br>LDM-554 | LVV-9983             | LVV-T773  |            | Not Executed     |
|                            | LVV-9983             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0020<br>LDM-554 | LVV-9984             | LVV-T777  |            | Not Executed     |
|                            | LVV-9984             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0018<br>LDM-554 | LVV-9985             | LVV-T775  |            | Not Executed     |
|                            | LVV-9985             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0019<br>LDM-554 | LVV-9986             | LVV-T776  |            | Not Executed     |
|                            | LVV-9986             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0025<br>LDM-554 | LVV-9987             | LVV-T782  |            | Not Executed     |
|                            | LVV-9987             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0024<br>LDM-554 | LVV-9988             | LVV-T781  |            | Not Executed     |
|                            | LVV-9988             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0026<br>LDM-554 | LVV-9989             | LVV-T783  |            | Not Executed     |
|                            | LVV-9989             | LDM-540   |            | Not Executed     |
| DMS-NB-REQ-0032<br>LDM-554 | LVV-9990             | LVV-T2171 | 2021-10-01 | Passed           |
|                            | LVV-9990             | LDM-540   | LVV-P79    | Passed           |

Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element   | Test Case            | Last Run              | Test Status      |
|-----------------------------|------------------------|----------------------|-----------------------|------------------|
| DMS-NB-REQ-0033<br>LDM-554  | LVV-9991<br>LVV-9991   | LVV-T785<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0035<br>LDM-554  | LVV-9992<br>LVV-9992   | LVV-T787<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0034<br>LDM-554  | LVV-9993<br>LVV-9993   | LVV-T786<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0036<br>LDM-554  | LVV-9994<br>LVV-9994   | LVV-T788<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0030<br>LDM-554  | LVV-9995<br>LVV-9995   | LVV-T2171<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-NB-REQ-0029<br>LDM-554  | LVV-9996<br>LVV-9996   | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-NB-REQ-0031<br>LDM-554  | LVV-9997<br>LVV-9997   | LVV-T791<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0002<br>LDM-554  | LVV-9998<br>LVV-9998   | LVV-T793<br>LDM-540  |                       | Not Executed     |
|                             |                        | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-NB-REQ-0003<br>LDM-554  | LVV-9999<br>LVV-9999   | LVV-T794<br>LDM-540  |                       | Not Executed     |
| DMS-NB-REQ-0001<br>LDM-554  | LVV-10000<br>LVV-10000 | LVV-T792<br>LDM-540  |                       | Not Executed     |
|                             |                        | LVV-T1436<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
|                             |                        | LVV-T2171<br>LDM-540 | 2021-10-01<br>LVV-P79 | Passed           |
| DMS-NB-REQ-0004<br>LDM-554  | LVV-10001<br>LVV-10001 | LVV-T795<br>LDM-540  |                       | Not Executed     |
| DMS-API-REQ-0023<br>LDM-554 | LVV-10002<br>LVV-10002 | LVV-T798<br>LDM-540  |                       | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element   | Test Case            | Last Run              | Test Status      |
|-----------------------------|------------------------|----------------------|-----------------------|------------------|
|                             |                        | LVV-T1437<br>LDM-540 | 2019-12-09<br>LVV-P48 | Pass w/Deviation |
| DMS-API-REQ-0022<br>LDM-554 | LVV-10003<br>LVV-10003 | LVV-T797<br>LDM-540  |                       | Not Executed     |
|                             |                        | LVV-T2677<br>LDM-540 | 2022-09-19<br>LVV-P80 | Not Executed     |
|                             |                        | LVV-T2678<br>LDM-540 |                       | Not Executed     |
|                             |                        | LVV-T2712            |                       | Not Executed     |
| DMS-API-REQ-0028<br>LDM-554 | LVV-10004<br>LVV-10004 | LVV-T803<br>LDM-540  |                       | Not Executed     |
|                             |                        | LVV-T2678<br>LDM-540 |                       | Not Executed     |
| DMS-API-REQ-0024<br>LDM-554 | LVV-10005<br>LVV-10005 | LVV-T799<br>LDM-540  |                       | Not Executed     |
| DMS-API-REQ-0026<br>LDM-554 | LVV-10006<br>LVV-10006 | LVV-T801<br>LDM-540  |                       | Not Executed     |
| DMS-API-REQ-0027<br>LDM-554 | LVV-10007<br>LVV-10007 | LVV-T802<br>LDM-540  |                       | Not Executed     |
| DMS-API-REQ-0030<br>LDM-554 | LVV-10008<br>LVV-10008 | LVV-T805<br>LDM-540  |                       | Not Executed     |
|                             |                        | LVV-T2678<br>LDM-540 |                       | Not Executed     |
| DMS-API-REQ-0025<br>LDM-554 | LVV-10009<br>LVV-10009 | LVV-T800<br>LDM-540  |                       | Not Executed     |
| DMS-API-REQ-0029<br>LDM-554 | LVV-10010<br>LVV-10010 | LVV-T804<br>LDM-540  |                       | Not Executed     |
| DMS-API-REQ-0021<br>LDM-554 | LVV-10011<br>LVV-10011 | LVV-T796<br>LDM-540  |                       | Not Executed     |

Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element | Test Case | Last Run   | Test Status      |
|-----------------------------|----------------------|-----------|------------|------------------|
| DMS-API-REQ-0009<br>LDM-554 | LVV-10012            | LVV-T1437 | 2019-12-09 | Pass w/Deviation |
|                             | LVV-10012            | LDM-540   | LVV-P48    |                  |
| DMS-API-REQ-0008<br>LDM-554 | LVV-10013            | LVV-T808  |            | Not Executed     |
|                             | LVV-10013            | LVV-T1334 | 2021-10-07 | Passed           |
|                             |                      | LDM-540   | LVV-P48    |                  |
|                             |                      | LVV-T1437 | 2019-12-09 | Pass w/Deviation |
|                             |                      | LDM-540   | LVV-P48    |                  |
| DMS-API-REQ-0007<br>LDM-554 | LVV-10014            | LVV-T807  | 2019-11-25 | Passed           |
|                             | LVV-10014            | LDM-540   | LVV-P48    |                  |
|                             |                      | LVV-T1334 | 2021-10-07 | Passed           |
|                             |                      | LDM-540   | LVV-P48    |                  |
|                             |                      | LVV-T1437 | 2019-12-09 | Pass w/Deviation |
|                             |                      | LDM-540   | LVV-P48    |                  |
| DMS-API-REQ-0006<br>LDM-554 | LVV-10015            | LVV-T1437 | 2019-12-09 | Pass w/Deviation |
|                             | LVV-10015            | LDM-540   | LVV-P48    |                  |
| DMS-API-REQ-0016<br>LDM-554 | LVV-10016            | LVV-T810  |            | Not Executed     |
|                             | LVV-10016            | LDM-540   |            |                  |
|                             |                      | LVV-T2678 |            | Not Executed     |
|                             |                      | LDM-540   |            |                  |
| DMS-API-REQ-0018<br>LDM-554 | LVV-10017            | LVV-T812  |            | Not Executed     |
|                             | LVV-10017            | LDM-540   |            |                  |
|                             |                      | LVV-T2678 |            | Not Executed     |
|                             |                      | LDM-540   |            |                  |
| DMS-API-REQ-0017<br>LDM-554 | LVV-10018            | LVV-T811  |            | Not Executed     |
|                             | LVV-10018            | LDM-540   |            |                  |
|                             |                      | LVV-T2678 |            | Not Executed     |
|                             |                      | LDM-540   |            |                  |
| DMS-API-REQ-0039<br>LDM-554 | LVV-10019            | LVV-T1437 | 2019-12-09 | Pass w/Deviation |
|                             | LVV-10019            | LDM-540   | LVV-P48    |                  |

Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element   | Test Case            | Last Run | Test Status  |
|-----------------------------|------------------------|----------------------|----------|--------------|
| DMS-API-REQ-0038<br>LDM-554 | LVV-10020<br>LVV-10020 | LVV-T813<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0040<br>LDM-554 | LVV-10021<br>LVV-10021 | LVV-T815<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0034<br>LDM-554 | LVV-10022<br>LVV-10022 | LVV-T816<br>LDM-540  |          | Not Executed |
|                             |                        | LVV-T2678<br>LDM-540 |          | Not Executed |
| DMS-API-REQ-0019<br>LDM-554 | LVV-10023<br>LVV-10023 | LVV-T817<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0020<br>LDM-554 | LVV-10024<br>LVV-10024 | LVV-T818<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0014<br>LDM-554 | LVV-10025<br>LVV-10025 | LVV-T823<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0013<br>LDM-554 | LVV-10026<br>LVV-10026 | LVV-T822<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0015<br>LDM-554 | LVV-10027<br>LVV-10027 | LVV-T824<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0012<br>LDM-554 | LVV-10028<br>LVV-10028 | LVV-T821<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0010<br>LDM-554 | LVV-10029<br>LVV-10029 | LVV-T819<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0011<br>LDM-554 | LVV-10030<br>LVV-10030 | LVV-T820<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0033<br>LDM-554 | LVV-10031<br>LVV-10031 | LVV-T827<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0031<br>LDM-554 | LVV-10032<br>LVV-10032 | LVV-T825<br>LDM-540  |          | Not Executed |
| DMS-API-REQ-0032<br>LDM-554 | LVV-10033<br>LVV-10033 | LVV-T826<br>LDM-540  |          | Not Executed |



Table 11: DM LDM-554 Requirements.

| Requirement                 | Verification Element | Test Case | Last Run   | Test Status      |
|-----------------------------|----------------------|-----------|------------|------------------|
| DMS-API-REQ-0003<br>LDM-554 | LVV-10034            | LVV-T829  |            | Not Executed     |
|                             | LVV-10034            | LDM-540   |            |                  |
| DMS-API-REQ-0004<br>LDM-554 | LVV-10035            | LVV-T1437 | 2019-12-09 | Pass w/Deviation |
|                             | LVV-10035            | LDM-540   | LVV-P48    |                  |
| DMS-API-REQ-0005<br>LDM-554 | LVV-10036            | LVV-T831  |            | Not Executed     |
| DMS-API-REQ-0001<br>LDM-554 | LVV-10037            | LVV-T828  |            | Not Executed     |
|                             | LVV-10037            | LDM-540   |            |                  |
| DMS-API-REQ-0035<br>LDM-554 | LVV-10038            | LVV-T1437 | 2019-12-09 | Pass w/Deviation |
|                             | LVV-10038            | LDM-540   | LVV-P48    |                  |
| DMS-API-REQ-0037<br>LDM-554 | LVV-10039            | LVV-T832  |            | Not Executed     |
| DMS-API-REQ-0002<br>LDM-554 | LVV-10040            | LVV-T835  |            | Not Executed     |
| DMS-API-REQ-0036<br>LDM-554 | LVV-10041            | LVV-T833  |            | Not Executed     |
| DMS-API-REQ-0036<br>LDM-554 | LVV-10041            | LVV-T834  |            | Not Executed     |

### 3.10 LSE-400 Requirements Coverage

Table 12: DM LSE-400 Requirements.

| Requirement                | Verification Element | Test Case | Last Run | Test Status |
|----------------------------|----------------------|-----------|----------|-------------|
| OCS-EFD-HS-0001<br>LSE-400 | LVV-18271            |           |          |             |
|                            | LVV-18271            |           |          |             |

Table 12: DM LSE-400 Requirements.

| <b>Requirement</b>         | <b>Verification Element</b> | <b>Test Case</b> | <b>Last Run</b> | <b>Test Status</b> |
|----------------------------|-----------------------------|------------------|-----------------|--------------------|
| OCS-EFD-HS-0002<br>LSE-400 | LWV-18272<br>LWV-18272      |                  |                 |                    |
| OCS-EFD-HS-0003<br>LSE-400 | LWV-18273<br>LWV-18273      |                  |                 |                    |
| OCS-EFD-HS-0004<br>LSE-400 | LWV-18274<br>LWV-18274      |                  |                 |                    |
| OCS-EFD-HS-0005<br>LSE-400 | LWV-18275<br>LWV-18275      |                  |                 |                    |
| OCS-EFD-HS-0006<br>LSE-400 | LWV-18276<br>LWV-18276      |                  |                 |                    |
| OCS-EFD-HS-0007<br>LSE-400 | LWV-18277<br>LWV-18277      |                  |                 |                    |
| OCS-EFD-HS-0008<br>LSE-400 | LWV-18278<br>LWV-18278      |                  |                 |                    |
| OCS-EFD-HS-0009<br>LSE-400 | LWV-18279<br>LWV-18279      |                  |                 |                    |
| OCS-EFD-HS-0010<br>LSE-400 | LWV-18280<br>LWV-18280      |                  |                 |                    |
| OCS-EFD-HS-0011<br>LSE-400 | LWV-18281<br>LWV-18281      |                  |                 |                    |
| OCS-EFD-HS-0012<br>LSE-400 | LWV-18282<br>LWV-18282      |                  |                 |                    |
| OCS-EFD-HS-0013<br>LSE-400 | LWV-18283<br>LWV-18283      |                  |                 |                    |
| OCS-EFD-HS-0014<br>LSE-400 | LWV-18284<br>LWV-18284      |                  |                 |                    |
| OCS-EFD-HS-0015<br>LSE-400 | LWV-18285<br>LWV-18285      |                  |                 |                    |

### 3.11 LDM-556 Requirements Coverage

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element   | Test Case | Last Run              | Test Status  |
|--------------------------------------|------------------------|-----------|-----------------------|--------------|
| DMS-MWBT-REQ-0014<br>LDM-556 (p. 1a) | LVV-19739<br>LVV-19739 | LVV-T2459 |                       | Not Executed |
| DMS-MWBT-REQ-0053<br>LDM-556 (p. 1a) | LVV-19740<br>LVV-19740 | LVV-T2482 | 2022-05-19<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0067<br>LDM-556 (p. 1a) | LVV-19741<br>LVV-19741 | LVV-T2499 | 2022-05-05<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0013<br>LDM-556         | LVV-19742<br>LVV-19742 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed       |
|                                      |                        | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0005<br>LDM-556 (p. 1a) | LVV-19743<br>LVV-19743 | LVV-T2443 | 2022-05-18<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0023<br>LDM-556 (p. 1b) | LVV-19744<br>LVV-19744 |           |                       |              |
| DMS-MWBT-REQ-0051<br>LDM-556 (p. 1a) | LVV-19745<br>LVV-19745 |           |                       |              |
| DMS-MWBT-REQ-0073<br>LDM-556 (p. 1a) | LVV-19746<br>LVV-19746 | LVV-T2492 | 2022-05-03<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0074<br>LDM-556 (p. 1a) | LVV-19747<br>LVV-19747 | LVV-T2493 | 2022-05-02<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0020<br>LDM-556 (p. 1a) | LVV-19748<br>LVV-19748 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0025<br>LDM-556 (p. 1a) | LVV-19749<br>LVV-19749 | LVV-T2476 | 2022-05-18<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0014<br>LDM-556         | LVV-19750<br>LVV-19750 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed       |
|                                      |                        | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed       |

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element   | Test Case | Last Run              | Test Status  |
|--------------------------------------|------------------------|-----------|-----------------------|--------------|
| DMS-MWBT-REQ-0011<br>LDM-556 (p. 1a) | LVV-19751<br>LVV-19751 |           |                       |              |
| DMS-MWBT-REQ-0057<br>LDM-556 (p. 1a) | LVV-19752<br>LVV-19752 |           |                       |              |
| DMS-MWBT-REQ-0054<br>LDM-556 (p. 1a) | LVV-19753<br>LVV-19753 | LVV-T2483 | 2022-05-09<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0078<br>LDM-556 (p. 1a) | LVV-19754<br>LVV-19754 | LVV-T2496 |                       | Not Executed |
| DMS-MWBT-REQ-0079<br>LDM-556 (p. 1b) | LVV-19755<br>LVV-19755 |           |                       |              |
| DMS-MWBT-REQ-0034<br>LDM-556 (p. 1a) | LVV-19756<br>LVV-19756 | LVV-T2480 | 2022-04-26<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0060<br>LDM-556 (p. 1a) | LVV-19757<br>LVV-19757 | LVV-T2449 | 2022-04-19<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0050<br>LDM-556 (p. 1a) | LVV-19758<br>LVV-19758 | LVV-T2490 |                       | Not Executed |
| DMS-MWBT-REQ-0075<br>LDM-556 (p. 1a) | LVV-19759<br>LVV-19759 | LVV-T2453 | 2022-04-19<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0082<br>LDM-556 (p. 1a) | LVV-19760<br>LVV-19760 | LVV-T2469 | 2022-04-21<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0035<br>LDM-556 (p. 1a) | LVV-19761<br>LVV-19761 |           |                       |              |
| DMS-MWST-REQ-0001<br>LDM-556         | LVV-19762<br>LVV-19762 | LVV-T2466 | 2022-05-14<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0023<br>LDM-556         | LVV-19763<br>LVV-19763 | LVV-T2457 | 2022-05-14<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0066<br>LDM-556 (p. 1a) | LVV-19764<br>LVV-19764 | LVV-T2452 | 2022-04-18<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0089<br>LDM-556 (p. 1a) | LVV-19765<br>LVV-19765 |           |                       |              |

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element   | Test Case | Last Run              | Test Status  |
|--------------------------------------|------------------------|-----------|-----------------------|--------------|
| DMS-MWBT-REQ-0055<br>LDM-556 (p. 1a) | LVV-19766<br>LVV-19766 | LVV-T2484 |                       | Not Executed |
| DMS-MWBT-REQ-0047<br>LDM-556 (p. 1a) | LVV-19767<br>LVV-19767 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed       |
|                                      |                        | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0028<br>LDM-556 (p. 1a) | LVV-19768<br>LVV-19768 |           |                       |              |
| DMS-MWBT-REQ-0017<br>LDM-556 (p. 1a) | LVV-19769<br>LVV-19769 | LVV-T2461 | 2022-05-17<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0003<br>LDM-556         | LVV-19770<br>LVV-19770 | LVV-T2455 | 2022-05-05<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0096<br>LDM-556 (p. 2)  | LVV-19771<br>LVV-19771 |           |                       |              |
| DMS-MWBT-REQ-0058<br>LDM-556 (p. 1a) | LVV-19772<br>LVV-19772 | LVV-T2485 | 2022-05-09<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0031<br>LDM-556 (p. 1a) | LVV-19773<br>LVV-19773 | LVV-T2478 | 2022-05-06<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0005<br>LDM-556         | LVV-19774<br>LVV-19774 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed       |
|                                      |                        | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0041<br>LDM-556 (p. 1a) | LVV-19775<br>LVV-19775 |           |                       |              |
| DMS-MWBT-REQ-0044<br>LDM-556 (p. 1a) | LVV-19776<br>LVV-19776 |           |                       |              |
| DMS-MWST-REQ-0018<br>LDM-556         | LVV-19777<br>LVV-19777 | LVV-T2463 | 2022-05-14<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0007<br>LDM-556 (p. 1a) | LVV-19778<br>LVV-19778 | LVV-T2445 |                       | Not Executed |

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element   | Test Case | Last Run              | Test Status |
|--------------------------------------|------------------------|-----------|-----------------------|-------------|
| DMS-MWBT-REQ-0059<br>LDM-556 (p. 1a) | LVV-19779<br>LVV-19779 | LVV-T2491 | 2022-05-03<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0009<br>LDM-556 (p. 1a) | LVV-19780<br>LVV-19780 | LVV-T1985 | 2022-05-13<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0062<br>LDM-556 (p. 1a) | LVV-19781<br>LVV-19781 | LVV-T2498 | 2022-04-20<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0048<br>LDM-556 (p. 1a) | LVV-19782<br>LVV-19782 | LVV-T2481 | 2022-05-03<br>LVV-P77 | Passed      |
| DMS-MWST-REQ-0030<br>LDM-556         | LVV-19783<br>LVV-19783 |           |                       |             |
| DMS-MWBT-REQ-0081<br>LDM-556 (p. 1a) | LVV-19784<br>LVV-19784 | LVV-T2468 | 2022-04-21<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0046<br>LDM-556 (p. 1a) | LVV-19785<br>LVV-19785 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed      |
|                                      |                        | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed      |
|                                      |                        | LVV-T1985 | 2022-05-13<br>LVV-P77 | Passed      |
| DMS-MWST-REQ-0009<br>LDM-556         | LVV-19786<br>LVV-19786 |           |                       |             |
| DMS-MWBT-REQ-0064<br>LDM-556 (p. 1a) | LVV-19787<br>LVV-19787 | LVV-T2451 | 2022-05-04<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0013<br>LDM-556 (p. 1a) | LVV-19788<br>LVV-19788 | LVV-T2447 | 2022-05-17<br>LVV-P77 | Passed      |
| DMS-MWST-REQ-0029<br>LDM-556         | LVV-19789<br>LVV-19789 |           |                       |             |
| DMS-MWBT-REQ-0090<br>LDM-556 (p. 1a) | LVV-19790<br>LVV-19790 |           |                       |             |
| DMS-MWST-REQ-0022<br>LDM-556         | LVV-19791<br>LVV-19791 | LVV-T2458 | 2022-05-04<br>LVV-P77 | Passed      |

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element   | Test Case | Last Run              | Test Status |
|--------------------------------------|------------------------|-----------|-----------------------|-------------|
| DMS-MWST-REQ-0002<br>LDM-556         | LVV-19792<br>LVV-19792 | LVV-T2465 | 2022-05-14<br>LVV-P77 | Passed      |
| DMS-MWST-REQ-0031<br>LDM-556         | LVV-19793<br>LVV-19793 |           |                       |             |
| DMS-MWST-REQ-0021<br>LDM-556         | LVV-19794<br>LVV-19794 | LVV-T2460 | 2022-04-18<br>LVV-P77 | Passed      |
| DMS-MWST-REQ-0004<br>LDM-556         | LVV-19795<br>LVV-19795 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed      |
|                                      |                        | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed      |
| DMS-MWST-REQ-0011<br>LDM-556         | LVV-19796<br>LVV-19796 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed      |
|                                      |                        | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0004<br>LDM-556 (p. 1a) | LVV-19797<br>LVV-19797 | LVV-T2442 | 2022-05-18<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0012<br>LDM-556 (p. 1a) | LVV-19798<br>LVV-19798 | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0068<br>LDM-556 (p. 1a) | LVV-19799<br>LVV-19799 | LVV-T2501 | 2022-05-16<br>LVV-P77 | Passed      |
| DMS-MWST-REQ-0027<br>LDM-556         | LVV-19800<br>LVV-19800 |           |                       |             |
| DMS-MWBT-REQ-0026<br>LDM-556 (p. 1a) | LVV-19801<br>LVV-19801 |           |                       |             |
| DMS-MWBT-REQ-0030<br>LDM-556 (p. 1a) | LVV-19802<br>LVV-19802 | LVV-T2477 | 2022-05-06<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0038<br>LDM-556 (p. 1a) | LVV-19803<br>LVV-19803 |           |                       |             |
| DMS-MWBT-REQ-0019<br>LDM-556 (p. 1a) | LVV-19804<br>LVV-19804 |           |                       |             |

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element   | Test Case | Last Run              | Test Status |
|--------------------------------------|------------------------|-----------|-----------------------|-------------|
| DMS-MWST-REQ-0025<br>LDM-556         | LVV-19805<br>LVV-19805 | LVV-T2456 | 2022-05-04<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0080<br>LDM-556 (p. 1a) | LVV-19806<br>LVV-19806 | LVV-T2467 | 2022-04-21<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0063<br>LDM-556 (p. 1a) | LVV-19807<br>LVV-19807 | LVV-T2450 | 2022-05-05<br>LVV-P77 | Passed      |
| DMS-MWST-REQ-0026<br>LDM-556         | LVV-19808<br>LVV-19808 |           |                       |             |
| DMS-MWST-REQ-0012<br>LDM-556         | LVV-19809<br>LVV-19809 | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed      |
|                                      |                        | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0088<br>LDM-556 (p. 1a) | LVV-19810<br>LVV-19810 | LVV-T2471 | 2022-04-21<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0072<br>LDM-556 (p. 1a) | LVV-19811<br>LVV-19811 |           |                       |             |
| DMS-MWBT-REQ-0052<br>LDM-556 (p. 1b) | LVV-19812<br>LVV-19812 |           |                       |             |
| DMS-MWBT-REQ-0008<br>LDM-556 (p. 1a) | LVV-19813<br>LVV-19813 | LVV-T1985 | 2022-05-13<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0024<br>LDM-556 (p. 1a) | LVV-19814<br>LVV-19814 | LVV-T2446 | 2022-04-26<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0061<br>LDM-556 (p. 1a) | LVV-19815<br>LVV-19815 | LVV-T2497 | 2022-04-20<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0029<br>LDM-556 (p. 1a) | LVV-19816<br>LVV-19816 |           |                       |             |
| DMS-MWBT-REQ-0002<br>LDM-556 (p. 1a) | LVV-19817<br>LVV-19817 | LVV-T2440 | 2022-05-03<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0094<br>LDM-556 (p. 1a) | LVV-19818<br>LVV-19818 |           |                       |             |



Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element | Test Case | Last Run              | Test Status |
|--------------------------------------|----------------------|-----------|-----------------------|-------------|
| DMS-MWBT-REQ-0006<br>LDM-556 (p. 1a) | LVV-19819            | LVV-T2444 | 2022-05-04<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0040<br>LDM-556 (p. 1a) | LVV-19820            |           |                       |             |
| DMS-MWBT-REQ-0071<br>LDM-556 (p. 1a) | LVV-19821            | LVV-T2503 | 2022-05-02<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0036<br>LDM-556 (p. 1a) | LVV-19822            | LVV-T2486 | 2022-05-05<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0037<br>LDM-556 (p. 1a) | LVV-19823            | LVV-T2487 | 2022-05-05<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0039<br>LDM-556 (p. 1a) | LVV-19824            | LVV-T2488 | 2022-05-03<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0095<br>LDM-556 (p. 1a) | LVV-19825            |           |                       |             |
| DMS-MWBT-REQ-0033<br>LDM-556 (p. 1a) | LVV-19826            | LVV-T2479 | 2022-04-26<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0022<br>LDM-556 (p. 1b) | LVV-19827            | LVV-T1985 | 2022-05-13<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0076<br>LDM-556 (p. 1a) | LVV-19828            | LVV-T2494 | 2022-05-02<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0045<br>LDM-556 (p. 1a) | LVV-19829            |           |                       |             |
| DMS-MWBT-REQ-0077<br>LDM-556 (p. 1a) | LVV-19830            | LVV-T2495 | 2022-04-26<br>LVV-P77 | Passed      |
| DMS-MWBT-REQ-0065<br>LDM-556 (p. 1a) | LVV-19831            |           |                       |             |
| DMS-MWBT-REQ-0043<br>LDM-556 (p. 1a) | LVV-19832            |           |                       |             |
| DMS-MWBT-REQ-0092<br>LDM-556 (p. 3)  | LVV-19833            | LVV-T2472 | 2022-05-10<br>LVV-P77 | Passed      |

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element   | Test Case | Last Run              | Test Status  |
|--------------------------------------|------------------------|-----------|-----------------------|--------------|
| DMS-MWBT-REQ-0042<br>LDM-556 (p. 1a) | LVV-19834<br>LVV-19834 |           |                       |              |
| DMS-MWBT-REQ-0021<br>LDM-556 (p. 2)  | LVV-19835<br>LVV-19835 | LVV-T2464 | 2022-04-20<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0032<br>LDM-556 (p. 1a) | LVV-19836<br>LVV-19836 |           |                       |              |
| DMS-MWBT-REQ-0027<br>LDM-556 (p. 1a) | LVV-19837<br>LVV-19837 |           |                       |              |
| DMS-MWBT-REQ-0091<br>LDM-556 (p. 1b) | LVV-19838<br>LVV-19838 |           |                       |              |
| DMS-MWBT-REQ-0093<br>LDM-556 (p. 2)  | LVV-19839<br>LVV-19839 |           |                       |              |
| DMS-MWBT-REQ-0010<br>LDM-556 (p. 1a) | LVV-19840<br>LVV-19840 |           |                       |              |
| DMS-MWBT-REQ-0069<br>LDM-556 (p. 1a) | LVV-19841<br>LVV-19841 | LVV-T2500 |                       | Not Executed |
| DMS-MWBT-REQ-0015<br>LDM-556 (p. 1a) | LVV-19842<br>LVV-19842 | LVV-T2448 | LVV-P96               | Not Executed |
| DMS-MWST-REQ-0028<br>LDM-556         | LVV-19843<br>LVV-19843 |           |                       |              |
| DMS-MWST-REQ-0019<br>LDM-556         | LVV-19844<br>LVV-19844 |           |                       |              |
| DMS-MWST-REQ-0020<br>LDM-556         | LVV-19845<br>LVV-19845 | LVV-T2462 | 2022-04-19<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0024<br>LDM-556         | LVV-19846<br>LVV-19846 |           |                       |              |
| DMS-MWBT-REQ-0084<br>LDM-556 (p. 1a) | LVV-19847<br>LVV-19847 | LVV-T2474 | 2022-05-05<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0083<br>LDM-556 (p. 1a) | LVV-19848<br>LVV-19848 | LVV-T2473 | 2022-05-05<br>LVV-P77 | Passed       |

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element | Test Case | Last Run              | Test Status  |
|--------------------------------------|----------------------|-----------|-----------------------|--------------|
| DMS-MWBT-REQ-0003<br>LDM-556 (p. 2)  | LVV-19849            | LVV-T2441 | 2022-05-09<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0006<br>LDM-556         | LVV-19850            | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed       |
|                                      |                      | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0085<br>LDM-556 (p. 1a) | LVV-19851            | LVV-T2475 | 2022-05-05<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0001<br>LDM-556 (p. 1a) | LVV-19852            | LVV-T2439 | 2022-05-03<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0015<br>LDM-556         | LVV-19853            |           |                       |              |
| DMS-MWBT-REQ-0016<br>LDM-556 (p. 1a) | LVV-19854            |           |                       |              |
| DMS-MWBT-REQ-0086<br>LDM-556 (p. 1a) | LVV-19855            |           |                       |              |
| DMS-MWBT-REQ-0070<br>LDM-556 (p. 1a) | LVV-19856            | LVV-T2502 | 2022-05-05<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0016<br>LDM-556         | LVV-19857            | LVV-T2454 | 2022-05-10<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0049<br>LDM-556 (p. 1a) | LVV-19858            | LVV-T2489 | LVV-P96               | Not Executed |
| DMS-MWST-REQ-0007<br>LDM-556         | LVV-19859            | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed       |
|                                      |                      | LVV-T1983 | 2022-04-11<br>LVV-P77 | Passed       |
| DMS-MWBT-REQ-0087<br>LDM-556 (p. 1a) | LVV-19860            | LVV-T2470 | 2022-04-21<br>LVV-P77 | Passed       |
| DMS-MWST-REQ-0010<br>LDM-556         | LVV-19861            | LVV-T1982 | 2022-02-15<br>LVV-P77 | Passed       |

Table 13: DM LDM-556 Requirements.

| Requirement                          | Verification Element   | Test Case | Last Run              | Test Status |
|--------------------------------------|------------------------|-----------|-----------------------|-------------|
|                                      |                        | LWV-T1983 | 2022-04-11            | Passed      |
|                                      |                        |           | LWV-P77               |             |
| DMS-MWBT-REQ-0056<br>LDM-556 (p. 1a) | LWV-19862<br>LWV-19862 |           |                       |             |
| DMS-MWST-REQ-0008<br>LDM-556         | LWV-19863<br>LWV-19863 | LWV-T1982 | 2022-02-15<br>LWV-P77 | Passed      |
|                                      |                        | LWV-T1983 | 2022-04-11<br>LWV-P77 | Passed      |
| DMS-MWST-REQ-0017<br>LDM-556         | LWV-19864<br>LWV-19864 | LWV-T1982 | 2022-02-15<br>LWV-P77 | Passed      |
|                                      |                        | LWV-T1983 | 2022-04-11<br>LWV-P77 | Passed      |
| DMS-MWBT-REQ-0018<br>LDM-556 (p. 1a) | LWV-19865<br>LWV-19865 |           |                       |             |

## A References

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## B Acronyms

| Acronym       | Description  |
|---------------|--|
| API           | Application Programming Interface  |
| CA-DM-CON-ICD | Requirements for Interface between the Camera and Data Management (LSE-69)                           |
| CA-DM-DAQ-ICD | Requirements for Camera Data Acquisition Interface (LSE-68)  |
| CA-DM-SUP-ICD | Requirements for Support-Data Exchanges between Data Management and Camera (LSE-130)                 |
| DAQ           | Data Acquisition System  |
| DM            | Data Management  |
| DM-TS-AUX-ICD | Requirements for Auxiliary Instrumentation Interface between Data Management and Telescope (LSE-140) |

|                |   |
|----------------|---|
| DM-TS-CON-ICD  | Requirements for Control System Interfaces between the Telescope & Data Management (LSE-75) |
| DMS            | Data Management Subsystem   |
| DMS-API-REQ    | LSP API Aspect requirements (LDM-554)   |
| DMS-LSP-REQ    | Top level LSP requirements (LDM-554)  |
| DMS-NB-REQ     | LSP Notebook Aspect requirements (LDM-554)  |
| DMS-PRTL-REQ   | LSP Portal Aspect requirements (LDM-554)  |
| DMS-REQ        | Data Management top level requirements (LSE-61)   |
| DMTR           | DM Test (Plan and) Report   |
| EFD            | Engineering and Facility Database   |
| EP-DM-CON-ICD  | Requirements for Interface between Data Management and EPO (LSE-131)                        |
| ICD            | Interface Control Document  |
| LDM            | LSST Data Management (Document Handle)  |
| LSE            | LSST Systems Engineering (Document Handle)  |
| LSP            | LSST Science Platform (now Rubin Science Platform)  |
| LSST           | Legacy Survey of Space and Time (formerly Large Synoptic Survey Telescope)                  |
| LVV            | LSST Verification and Validation (Jira project)   |
| OCS            | Observatory Control System  |
| OCS-DM-COM-ICD | Requirements for OCS - Data Management Software Communication Interface (LSE-72)            |
| OCS-EFD-HS     | Requirements for Header Service Interface between OCS and EFD (LSE-400)                     |
| RFC            | Request For Comment   |
| TS             | Test Specification  |
| VCD            | Verification Control Document   |