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| 1. Deployment Summary | |
| Deployment Date | 28-09-2021 |
| Deployment Time | 07:00 |
| Estimated Deployment Time | 07:00 |

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| **2. Deployment Risks** | | | |
| **Description** | **Probability**  **High|Med|Low** | **Impact**  **High|Med|Low** | **Mitigation** |
| 1. *Lack of vendor technical resources* | *High* | *Medium* | *Finding out from the supplier if the is any possibility of have a standby resource at least* |
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| 3. Deployment Schedule/ Person Responsible | | | |
| **Description** | **Begin Time** | **End Time** | **Person Responsible** |
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| **NESDQA Tasks – Elasticsearch Upgrade** | | | |
| Stop ALM Service | 07:00 | 07:10 | Pheta Moloi |
| Backup Elasticsearch | 07:10 | 07:20 | Pheta Moloi |
| Upgrade Elasticsearch | 07:20 | 07:30 | Pheta Moloi |
| Reindex | 07:30 | 08:30 | Pheta Moloi |
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| **NESDQA Tasks – ALM Octane Upgrade** | | | |
| Backup ALM Octane Repository | 08:30 | 08:40 | Pheta Moloi |
| Upgrade ALM Octane | 08:40 | 09:40 | Pheta Moloi |
| Start ALM Octane | 09:40 | 10:00 | Pheta Moloi |
| Upgrade spaces in Octane | 10:00 | 11:00 | Pheta Moloi |
| Verify spaces upgrade | 11:00 | 11:30 | Pheta Moloi |
| Stop and Start Octane server | 11:30 | 11:40 | Pheta Moloi |
| Test ALM Octane | 11:40 | 15:00 | Pheta Moloi |
| Rollback decision |  |  |  |
| **DBA Tasks – Oracle Database Upgrade** | | | |
| Stop database | 07:00 | 07:10 | DBA |
| Backup Database | 07:10 | 07:30 | DBA |
| Upgrade oracle | 07:30 | 08:30 | DBA |
| Startup database | 08:30 | 08:40 | DBA |
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| Rollback Plan |  |  |  |
| Refer to rollback as per “ALM\_Octane\_Upgrade\_Guide.pdf” <https://admhelp.microfocus.com/octane/en/15.1.90/PDFs/ALM_Octane_Upgrade_Guide.pdf>  Roll back may take anything from 30 minutes to 3 hours. | | | |

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| 4. Deployment Requirements (If applicable) |
| ***Hardware:******ALM Octane Server***   * Hostname :NESDQA-DP3 * IP Address : 10.102.208.59 * CPU: 4 * RAM: 8 GB * Heap: Min 4 GB * Disk space: At least 500 GB (network storage recommended)   ***Hardware: Oracle Data Server***   * Hostname : cte-vm-almodb01 * IP Address : 10.114.222.151 * CPU: 8 * RAM: 16 GB * Standard or Enterprise edition, with character set AL32UTF8   ***Hardware: Elasticsearch Server***   * Hostname :NESDQA-DP3 * IP Address : 10.102.208.59 * CPU: 4 and higher * RAM: 8 GB |
| *.* ***Software:******ALM Octane Server***   * ALM Octane version 15.1.90, Enterprise Edition   ***Software:******Oracle Data Server***   * Oracle 19c, Standard or Enterprise edition, with character set AL32UTF8     ***Software:******Elasticsearch Server***   * Elasticsearch version 7.9.x |

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| 5. Services Impacted |
| *ALM Octane will not be available during the upgrade period.*  *Test analysts will not be able to login and capture any requirements and test cases during the upgrade period*  *Test automation scripts execution will not be able to report back to ALM Octane for reporting during the upgrade period*  *Test automation team may have to upgrade the IntelliJ ide and reconfigure ALM Octane connection settings after the upgrade.* |

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| 6. Deployment Communication Plan | | |
| **Communicate with** | **How often** | **How** |
| Name *NESD-QA Team* |  |  |
| Name *Isiah Bopape* |  |  |

# 7. Addendums & Appendices

