**Annex 2 - Description of Acceptance Tests**

**Functional Tests**

1. ALADIN Performance Tests

The set of ALADIN benchmarks must be successfully run on the delivered System to verify Seller’s answers to tender specifications.

The benchmark code as delivered with the tender has to be used and the code is allowed to contain only such modifications which were described in the tender specifications and contained in the source codes delivered to Buyer with Sellers offer.

For the Phase A the following performance and functionality tests will be performed according to the specifications of the Annex 5 of the tender documents.

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| Test | Title | Number of copies run concurrently | Elapsed (wall-clock) time to complete specified number of copies  In seconds, rounded up to three decimal points | Number of processor cores and MPI tasks in 1 copy: NCORES/NPROC | Total Memory  Rounded up in GB |
| 1 | MORGANE | 1 |  |  |  |
| 1R | Repeat | 1 |  |  |  |
| 2 | MORGANE | 4 |  |  |  |
| 2R | Repeat | 4 |  |  |  |
| 3 | SWITCHOVER | High priority |  |  |  |
| Normal priority |  |  |  |
| Total for 2 jobs |  | X |  |
| 3R | SWITCHOVER | High priority |  |  |  |
| Normal priority |  |  |  |
| Total for 2 jobs |  | X |  |

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| Test | Title | Number of copies run concurrently | Elapsed (wall-clock) time to complete specified number of copies  In seconds, rounded up to three decimal points | Number of processor cores and MPI tasks in 1 copy: NCORES/NPROC | Total Memory  Rounded up in TB |
| 1 | MORGANE | 1 |  |  |  |
| 1R | Repeat | 1 |  |  |  |
| 2 | MORGANE | 8 |  |  |  |
| 2R | Repeat | 8 |  |  |  |
| 3 | MORGANE memory | 20 |  |  |  |
| 4 | SWITCHOVER | High priority |  |  |  |
| Normal priority |  |  |  |
| Total for 2 jobs |  | X |  |
| 4R | Repeat | High priority |  |  |  |
| Normal priority |  |  |  |
| Total for 2 jobs |  | X |  |

1. General Operating HPCS System Tests

By inspection it is checked that the requirements specified in SPEC\_22 of the tender documentation and the Seller’s offer are met:

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1. Networking and Connectivity Tests on HPCS, front-end

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1. Security Tests

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1. Job Scheduling Test

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By inspection the functioning of the job class definition, checkpointing, job suspension and preferential resource groups’ configuration on the HPCS is verified.

1. System Monitoring and Control Tests

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1. Software Development, Libraries and Languages Test

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**Reliability Tests**

1. Stability Test

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1. Operational Test

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The operational test shall commence immediately after the system has successfully passed the stability test.

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The Seller may request any emergency service time within Operational Test period. The Operational Test period will be prolonged consequently by the same amount of time used for the emergency service.

Operating efficiency

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