Regression Test Plan for PP-706:

**Description: -**

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This test plan has been created for the RFE Automatically create KNL specific information(PP-706) The test suites execution and the plan are subject to the constraints of bug analysis, new features, coverage and availability of time.

**New Feature Functional Testing: -**

| **Test Suite** | **List of test case** | **Platform** | **Priority**  **(P0/P1/P2)** | **Automated**  **(Y/N)** | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| PTL test cases as part of PP-706 |  | Cray | P0 | Y |  |

**Smoke/Qualification Testing: -**

| **Test Suite** | **List of test case** | **Platform** | **Priority**  **(P0/P1/P2)** | **Automated**  **(Y/N)** | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 12412 - cray smoketest | All | Cray | P0 | N |  |
| 17938 Cray GOLD test suite | All | Cray | P0 | N |  |
| SP-196494:Socket Based Licensing\_CRAY | All | Cray | P0 | N |  |
| 5371 - Smoke test | All | All | P1 | Y |  |
| pbs\_smokeresvtests\_ext.py |  |  | P0 | Y |  |

**Integration/Regression Testing: -**

| **Test Suite** | **List of test case** | **Platform** | **Priority**  **(P0/P1/P2)** | **Automated**  **(Y/N)** | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 184394-cray : Expose Vnodes information in Hooks | All | Cray | P1 | N |  |
| pbs\_spid214108\_ext.py |  | Cray | P0 | Y |  |
| Pbs\_apbasil\_inventory.py |  | Cray | P0 | Y |  |
| pbs\_alps\_inventory\_check\_hook.py |  | Cray | P0 | Y |  |
| pbs\_power\_provisioning\_cray.py |  | Cray | P0 | Y |  |
| pbs\_provisioning.py |  | All | P0 | Y |  |
| PBS-14348-Ability to power on and off machines based on workload(Cray) | Specific test cases | Cray | P2 | N |  |
| PBS-12860 $alps\_create\_vnode\_per\_numa pbs\_cray\_vnode\_per\_numa  .py |  | Cray | P0 | Y |  |
| PBS-12848 - SP285375 Improved Server/MoM Inventory Performance |  | Cray | P1 | N |  |
| PBS-11870 Cray suspend/resume SP-260025 | All | Cray | P1 |  |  |
| PBS-9579 Support for Xeon Phi processors Qmetry SP-18153 | 3.2.6.{1-10} | Cray | P0 | N |  |
| SP-16543 - Improving integration with Cray platform | Test specific to job and reservation submission requesting specific resources | Cray | P1 | N |  |
| SP-16543-group2 : testing aprun -[S,sn,sl] | All | Cray | P2 | N |  |
| SP-16543-group4\_ALPS: Installation on CRAY+ALPS | All | Cray | P2 | N |  |
| SP-16543-group5\_1 : Testing existing PBS commands | All | Cray | P1 | N |  |
| SP-16543-group6 : testing Cray default resources | All | Cray | P1 | N |  |
| SP-16543-group7 :New behavior and messages | All | Cray | P2 | N |  |
| SP-16543-group8 : mpp\* and exec\_vnode specs | All | Cray | P2 | N |  |
| SP-16543-group4\_Incomp\_ALPS: Cray - ALPS | All | Cray | P2 | N |  |
| SP-16543-group9 : setting, updating vnode list | All | Cray | P0 | N |  |
| 6336\_cray : Overlay Upgrade test on Cray XT\XE |  | Cray | P1 | N |  |