***Exp - Test Run Checklist***

***Exp: - (Edit form as required)***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Setup generator variables e.g. PRF, CDF and capacitance* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Charge both batteries then rest for ≥1hr* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Start new ‘Discharge’ test on ‘Rec’ battery after recording V using CBA* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *At suitable time (≥10% Ah capacity) stop test* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Take grab of stopped test screen and record Wh, Ah and time* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Export test file and copy grab to USB. Rest battery for 10 mins* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Record ‘Rec’ battery V from CBA* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Record Vinitial of ‘Run’ battery with DVM* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Start ‘Charge Monitor’ and RDM record simultaneously* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Start generator and stopwatch simultaneously. Record max RPM* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Stop generator and RDM after ‘run-time’. Photo RDM register* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Stop ‘Charge Monitor’ after run time +1 hour and grab screen* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Record V from CBA, save test file and copy to USB* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Copy grab to USB* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Record Vfinal of ‘Run’ battery with DVM* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Save and export ‘Run’ battery current table from RDM* |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | *Save any scope traces required* |