Project Definition

This form shall be filled out and submitted to Bob Martin for each lab project or bench used.

Room Number\_\_\_\_\_ Bench Number\_\_\_\_\_ Person assigned to Bench\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List all project advisors: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List all personnel on project and their responsibilities: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Provide the anticipated schedule of the project including definition of any project phases and what changes to the project definition occur during each phase.

Project Definition:

1. Number of Phases?
2. Maximum AC voltage in circuit to ground?
3. Maximum AC voltage phase to phase?
4. Maximum AC current in circuit?
5. Maximum DC voltage in circuit to ground?
6. Maximum DC voltage + to - ?
7. Maximum DC current in circuit?
8. List all energy storage components in circuit/system by type, voltage and current.
9. List cooling required by type and capacity.
10. Define approximate dimensions of experimental circuit and layout of the circuit/system.
11. Will this require a cabinet or an enclosure?
12. Will significant mechanical design be required to complete?
13. Define any loads needed for testing by type, voltage and power.
14. Will any specialized test equipment be required?
15. Attach system one-line diagram defining all major components including supplies, loads and where the maximum voltage and currents defined above are located.
16. Will the device or system be controlled remotely? Yes\_\_\_ No\_\_\_ How? \_\_\_\_\_\_\_\_\_\_\_\_\_
17. How is power transmitted? Wire\_\_\_ Wireless\_\_\_ Mechanical\_\_\_ Other (list)\_\_\_\_\_\_\_\_\_\_

Person submitting: Print Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_