Object Oriented Design Group

**ineedMD Manufacturing Tasks**

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**Prototype**

1. Define qualifications for manufacture
   1. Experience (company, customers, products built, ISO QMS required(?), local, availability, other)
   2. Purchase, receive and incoming inspect, inventory parts
   3. PCB Assembly
   4. Product assembly
   5. Product inspection and testing
   6. Packaging
   7. Stocking finished goods inventory
   8. Shipping product to customers.
2. Visit/audit local manufacturing candidates.
3. Chose mfr and begin product reviews for manufacturability. Review assembly procedures with tech’s. Supplier and purchasing info reviewed
4. Incorporate mfg revision and change design and documents as necessary. Mfg reviews and approves
5. RFQ’s are sent for parts and outside tooling
6. Suppliers are chosen
7. Engineering and Management approve and give go-ahead for pre-production.

**Pre-production**

1. Mfr set’s-up in-house documentation for job including inventory and warehouse needs.
2. Documentation is distributed to departments
3. Purchasing orders parts
4. Training takes place
5. Warehouse receives parts
6. Parts are inspected by Quality department
7. Parts go to inventory
8. When all the parts are received they are staged for pre-production
9. OODG engineering arrives to audit pre-production run
10. Pre-production takes place
11. Assemblies are inspected by Quality department
12. Assemblies are put through pre-production testing
13. Assemblies are boxed and sent to Finished Goods
14. Parts are shipped to OODG
15. Pre-production parts are reviewed. Design and manufacturing issues are noted. Parts, assemblies, and documents are revised as needed for first production run.

**First Production Run**

(For now, basically the same as pre-production run)