

MRLs Defined



- MRL 1:** Basic manufacturing implications identified
- MRL 2:** Manufacturing concepts identified
- MRL 3:** Manufacturing proof of concept developed
- MRL 4:** Capability to produce the technology in a **laboratory environment**
- MRL 5:** Capability to produce prototype components in a **production relevant environment**
- MRL 6:** Capability to produce a prototype system or subsystem in a **production relevant environment**
- MRL 7:** Capability to produce systems, subsystems or components in a **production representative environment**
- MRL 8:** **Pilot line** capability demonstrated. Ready to begin low rate production
- MRL 9:** Low rate **production** demonstrated. Capability in place to begin full rate production
- MRL 10:** Full rate **production** demonstrated and lean production practices in place