



BioTechnology

TRL Level	BioTechnology
Prototype System	GMP Pilot Production, phase 1 clinical trials
Demonstration System	Scale-up, initiation of GMP Process Validation, phase 2 clinical trials
First Kind of Commercial System	GMP Validation Consistency Lot Manufacturing, Efficacy Studies, FDA approved



Software

TRL Level	Software
Prototype System	Operational environment integrated with actual external entities. "Beta" SW releases.
Demonstration System	SW releases are in distinct versions. Verification Validation & Accreditation completed.
First Kind of Commercial System	SW releases are production versions and configuration controlled, in a secure environment. SW deficiencies are rapidly resolved through support structure.



Electronics

TRL Level	Electronics
Prototype System	RTL Model, Simulated Model, Gate Level Simulation (GLS), Testing (Regression, Functionality, Unit, System, Integration)
Demonstration System	Functional SoC (System on Chip) with limited functionality, HW finished, SW still may have improvements
First Kind of Commercial System	nth Stepping, Production unit (Tests and quality checks should be passed and deemed a certain quality by company before being rolled out)



Manufacturing

TRL Level	Manufacturing
Prototype System	Device prototypes built and tested Engineering Verification Testing (EVT)
Demonstration System	Process Validation Process Qualification
First Kind of Commercial System	Commercial batches of devices