# Requirements Traceability Matrix (RTM)

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| Req# | Requirement Description | Category | Priority (MoSCoW) | Source/Stakeholder | Acceptance Criteria | Design Document Reference | Status |
| 1 | Develop a centralized NPI dashboard | Functional | Must Have | Project Manager | Dashboard displays real-time build matrices and vendor status | NPI\_Dashboard\_Design\_v1 | In Progress |
| 2 | Implement automated BOM management | Functional | Must Have | Engineering Team | Automated BOM workflows are functional with version control | BOM\_Workflow\_Doc\_v2 | Not Started |
| 3 | Integrate vendor collaboration tool | Functional | Must Have | Procurement Team | Vendor lead times and performance metrics are tracked | Vendor\_Collab\_Tool\_v1 | In Progress |
| 4 | Risk mitigation framework for production delays | Functional | Should Have | Project Manager | Risks are identified, assessed, and simulated for resolution | Risk\_Framework\_v1 | Not Started |
| 5 | Material forecasting tool for production scheduling | Functional | Should Have | Supply Chain Team | Forecast aligns material needs with production timelines | Forecasting\_Model\_v1 | Not Started |
| 6 | Conduct pilot production runs for manufacturing readiness | Functional | Must Have | Manufacturing Team | Pilot builds meet quality standards and timeline expectations | Pilot\_Production\_Plan\_v1 | Planned |
| 7 | Implement automated quality checks | Functional | Must Have | Quality Assurance Team | Quality checks automatically flag defects for correction | QA\_Workflow\_Doc\_v2 | In Progress |
| 8 | Generate predictive analytics reports | Non-Functional | Could Have | Project Manager | Reports provide insights on supply chain performance | Analytics\_Reports\_v1 | Planned |
| 9 | Ensure compliance with industry regulations | Compliance | Must Have | Compliance Team | Compliance with ISO, CE, and FCC certifications | Compliance\_Checklist\_v1 | Not Started |
| 10 | Final project documentation and presentation | Functional | Must Have | Project Manager | Completed documentation and presentation delivered | Final\_Project\_Report\_v1 | Planned |