

# Business & Operational Requirements

## Assumptions (A)

ID	Assumption	Notes / Implication
A-01	MediCare Plus will operate a permissioned blockchain network	Limits participants to vetted stakeholders
A-02	All participants are known, registered, and vetted entities	Supports trust model/onboarding controls
A-03	Blockchain is used for verification and audit, not physical enforcement	Still needs physical anti-counterfeit controls
A-04	Transporters are third-party logistics providers	Requires transporter onboarding + tracking
A-05	Users have basic computer literacy and can complete training	Training plan needed
A-06	Compatible with any browser	Implies cross-browser testing scope

## Company Constraints (C) & Rules (R)

ID	Statement	How to verify
C-01	Must operate within cybersecurity policies, including AES-256 encryption	Security audit / encryption-at-rest + in-transit evidence
C-02	Integration must not disrupt current operations during deployment	Cutover plan + rollback + staging/UAT signoff
C-03	Max downtime: 4 hours/month during off-peak (2–6 AM EST)	Monitoring + SLA report (also align timezone)
R-01	All medication orders must be verified by authorized personnel before shipment	Workflow enforcement + role-based approvals
R-02	Dual authorization for high-value shipments exceeding <b>\$50,000</b>	Threshold rule + 2-person approval logs (also clarify currency)

BR ID	Cogent Requirement Summary	SRS Category
BR-01	Password policy enforcement	Non-Functional (Security)
BR-02	MFA authentication	Non-Functional (Security)
BR-03	Permissioned blockchain operation	Functional Requirement
BR-04	Smart contract lifecycle management	Functional Requirement
BR-05	Supplier order management	Business Requirement
BR-06	Manufacturer production compliance	Business Requirement
BR-07	Wholesaler GDP processing	Business Requirement
BR-08	Distributor authenticity verification	Functional Requirement
BR-09	Prescription validation	Functional Requirement
BR-10	Provenance verification	Functional Requirement
BR-11	Transporter GPS updates	Non-Functional (Operational)
BR-12	Role-based access control	Non-Functional (Security)
BR-13	Custody transfer recording	Functional Requirement
BR-14	Order status update timing	Non-Functional (Performance)
BR-15	Product master data validation	Data Requirement
BR-16	Regulatory compliance reporting	Functional Requirement
BR-17	Epic EHR integration	External Interface Requirement
BR-18	SAP ERP synchronisation	External Interface Requirement
BR-19	Tamper alert notification	Non-Functional (Reliability)
BR-20	Batch and lot tracking	Data Requirement