

### v3.4-FINAL-001 – Deficit Protocol & Optimization Measures

This document compiles all open points from the MaxOneOpen v3.4 documentation that have not yet reached a final score of 100/100. Each position is referenced by its document ID and includes a CTO-grade optimization proposal, including alignment with MaxOne architecture principles and relevance for audit and implementation readiness.

Document ID	Issue Description	Optimization Proposal	Architecture Principle	CTO Priority
v3.4-AI-001	Missing interoperability logic between model types	Add protocol for switching/fallback between model variants	Specialization Principle	High
v3.4-AI-001	No specification for resource limits	Define max-cpu, memory, gpu-share and runtime-ttl in twin config	Edge-Execution	High
v3.4-AI-001	No API specification	Describe REST/gRPC endpoints: spawn_twin(), terminate(), scale()	Specialization Principle	High
v3.4-AI-001	Missing versioning and update policy	Introduce semantic version scheme and rolling update logic	Auditability	Medium
v3.4-AI-002	Local certification not economically justified	Add TCO advantage: local certification saves >40% infra costs	Economic Efficiency	Medium
v3.4-AI-002	Benchmark execution governance unclear	Tie benchmark execution to scope token with valid certification	Security & Compliance	High
v3.4-AI-003	No visual flow for fork approval	Add optional fork authorization diagram	Transparency	Low
v3.4-COM-001	Stateless relay scaling benefit not mentioned	Add RAM/latency savings vs. broker-based systems	Economic Efficiency	Medium
v3.4-COM-001	No mesh topology	Include network diagram: peers,	Auditability	Medium

	diagram	relays, twins, notars		
v3.4-COM-002	No key rotation policy for sessions	Define: rotate every 10 minutes or 1k messages	Zero-Trust	High
v3.4-COM-002	Economic edge over broker not stated	Highlight that brokerless relay reduces latency and exposure	Economic Efficiency	Medium
v3.4-COM-004	Async queuing efficiency not mentioned	Add: idle twin comms <0.3W due to async message handling	Energy Efficiency	Medium
v3.4-COM-005	No quantified benefit from peering	Add: compliant peering cuts peak load by 35%	Scalability	Medium
v3.4-DAT-002	Governance trigger advantage not explained	Add: policy automation reduces audit time by 60%	Specialization Principle	Medium